Water Resources Data Colorado Water Year 2000

Volume 2. Colorado River Basin

By R.M. Crowfoot, J.W. Unruh, R.W. Boulger, and G.B. O'Neill

Water-Data Report CO–00–2

Prepared in cooperation with the State of Colorado
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

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2001

CALENDAR FOR WATER YEAR 2000

1999

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PREFACE

Volume 2 of the annual hydrologic data report of Colorado is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each state, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for Colorado are contained in two volumes:

Volume 1. Missouri River, Arkansas River, and Rio Grande basins in Colorado,
Volume 2. Colorado River basin.

Volume 2 is the culmination of a concerted effort by dedicated personnel of the U. S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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13. ABSTRACT *(Maximum 200 words)*
Water-resources data for Colorado for the 2000 water year consist of records of stage, discharge, and water quality of streams; stage, contents, and water-quality of lakes and reservoirs; meteorological data; and water levels and water quality of wells and springs. This report (Volumes 1 and 2) contains discharge records for 305 gaging stations, stage and contents of 15 lakes and reservoirs, discharge measurements for 1 partial-record low-flow station and 1 miscellaneous site, peak flow information for 22 crest-stage partial-record stations; water-quality for 102 gaging stations and for 7 lakes and reservoirs, supplemental water-quality for 185 gaged sites; water-quality for 141 miscellaneous sites and 14 observation wells; water levels for 4 observation wells, and meteorological data for 45 sites. Three pertinent stations operated by bordering states also are included in this report. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of W.F. Horak, District Chief. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies.

14. SUBJECT TERMS
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CONTENTS

Page

ILLUSTRATIONS

Page

NOTE.--Data for partial-record stations and miscellaneous sites for both surface-water discharge and quality are published in seperate sections of the data report.

(Letter after station name designates type and frequency of published data. Daily tables: (D) discharge, (C) specific conductance, (S) sediment, (T) temperature, (E) elevation or contents, (O) dissolved oxygen, (P) pH, (R) precipitation.

Periodic tables: (c) chemical, (b) biological, (e) elevation or contents, (m) microbiological, (s) sediment, (t) temperature.)

SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

HYDROLOGIC STATIONS FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

VOLUME 2: COLORADO RIVER BASIN

By R.M. Crowfoot, J.W. Unruh, R.W. Boulger, and G.B. O'Neill

INTRODUCTION

The Water-Resources Division of the U.S. Geological Survey, in cooperation with State agencies, obtains a large amount of data pertaining to the water resources of Colorado each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in the report series entitled "Water Resources Data - Colorado".

This report (Volume 2 of two volumes) includes records on both surface and ground water in the State, west of the Continental Divide. Specifically, it contains: (1) discharge records for 162 surface-water stations, and peak discharge data for 1 partial-record surface-water station and discharge-measurement data for 1 low-flow partial-record site; (2) stage and contents for 9 lakes and reservoirs; (3) surface-water-quality data for 61 surface-water stations, 3 reservoirs, 115 miscellaneous sites, and miscellaneous surface-water-quality data for 107 gaged sites; and (4) ground-water level records for 2 sites, and meteorological data for 10 sites. Locations of lake and surface-water-gaging stations and surface-water-quality stations are shown in figure 1, locations of crest-stage partial-record stations are shown in figure 2. The data in this report represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Colorado.

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Colorado were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-water Supply of the United States," Parts 6B, 7, 8, and 9. For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States." Data on ground-water levels for the 1935 through 1955 water years were published annually under the title "Water Levels and Artesian Pressures in Observation Wells in the United States." For the 1956 through 1974 water years the data were published in four 5-year reports under the title "Ground-Water Levels in the United States." Water-supply papers may be purchased from the, U.S. Geological Survey, Books and Open-File Reports, Federal Center, Building 810, Box 25425, Denver, CO 80225.

For water years 1961 through 1970, streamflow data were released by the Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "**U.S. Geological Survey Water-Data Report CO-00-2**." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale, in paper copy or in micro-fiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District office at the address given on the back of the title page or by telephone (303) 236-4882.

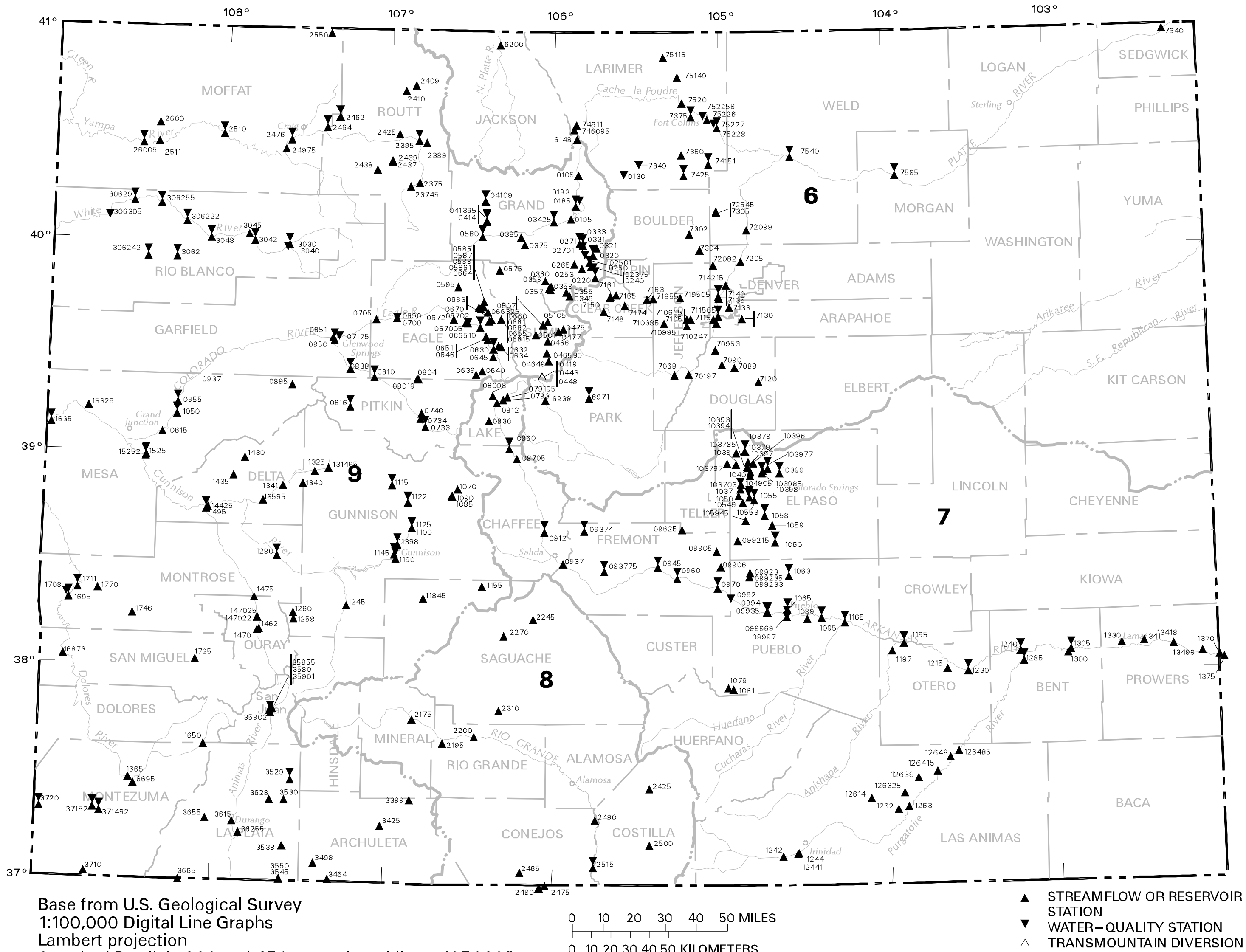


Figure 1.--Map showing locations of lake and surface-water stations and surface-water-quality stations in Colorado.

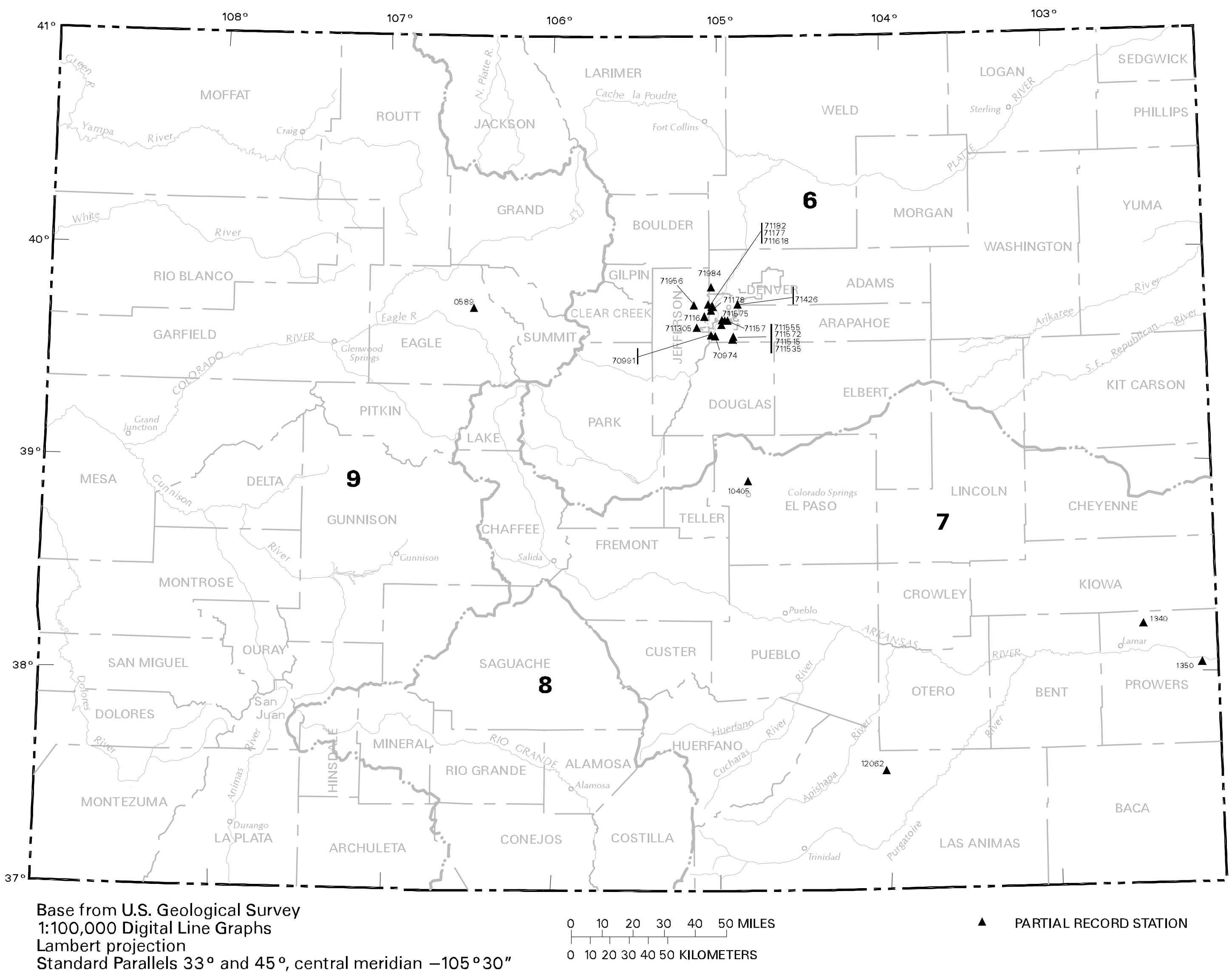


Figure 2.--Map showing locations of crest-stage partial-record stations in Colorado.

COOPERATION

The U.S. Geological Survey and organizations in the State of Colorado have had cooperative agreements for the systematic collection of surface-water records since 1895 and for water-quality records since 1941. Organizations that supported data-collection activities through cooperative agreements with the Survey during the **2000 water year** are:

Arapahoe County Water and Wastewater Authority.
Arkansas River Compact Administration.
Centennial Water and Sanitation District.
Center of Colorado Water Conservancy District.
Cherokee Metropolitan District.
City and County of Denver, Board of Water Commissioners.
City of Aurora.
City of Black Hawk.
City of Boulder.
City of Broomfield.
City of Colorado Springs.
City of Creede.
City of Englewood.
City of Fort Collins.
City of Glendale.
City of Golden.
City of Gunnison.
City of Idaho Springs.
City of Lakewood.
City of Longmont.
City of Louisville.
City of Loveland.
City of Pueblo.
City of Westminster.
Clear Creek Board of County Commissioners.
Colorado City Metropolitan District.
Colorado Department of Public Health and Environment.
Colorado Department of Transportation.
Colorado Division of Parks and Outdoor Recreation.
Colorado Division of Water Resources.
Colorado Division of Wildlife.
Colorado River Water Conservation District.
Colorado Springs Utilities.
Colorado Water Conservation Board
Crested Butte South Metropolitan District.
Delta County Board of County Commissioners.
Dolores Water Conservancy District.
Eagle County Board of Commissioners.
Eagle River Water and Sanitation District.
Eagle River Watershed Council.
East Grand County Water-Quality Board.
Evergreen Metropolitan District.
Fountain Valley Authority.
Gilpin County.
Grand County.
La Plata County.
Lower Fountain Water-Quality Management Association.
Meeker Sanitation District.
Metro Wastewater Reclamation District.
Moffat County.
Mount Crested Butte Water and Sanitation District.
North Front Range Water Quality Planning Association.
Northern Colorado Water Conservancy District.
Northwest Colorado Council of Governments.
Park County.
Plum Creek Wastewater Authority.
Pueblo Board of Water Works.
Pueblo West Metropolitan District.
Rio Blanco County Board of County Commissioners.
Rio Grande Water Conservation District.
Southeastern Colorado Water Conservancy District.
Southern Ute Indian Tribe.
Southwestern Colorado Water Conservation District.
St. Charles Mesa Water District.
Summit County.
Teller - Park Soil Conservation District.
Town of Basalt.
Town of Breckenridge.
Town of Crested Butte.
Town of Hotchkiss.
Town of Meeker.
Town of Paonia.
Town of Rangely.
Town of Vail.
Trinchera Water Conservancy District.
Upper Arkansas River Water Conservancy District.
Upper Eagle Regional Water Authority.
Upper Gunnison River Water Conservancy District.
Upper Yampa Water Conservancy District.
Urban Drainage and Flood Control District.
Yellowjacket Water Conservancy District.

Financial assistance was also provided by the U.S. Air Force Academy; U.S. Army, Corps of Engineers; U.S. Army; Bureau of Land Management; Bureau of Reclamation; National Park Service; U.S. Fish and Wildlife Service; U.S. Forest Service; and U.S. Environmental Protection Agency. Organizations that supplied data are acknowledged in station descriptions.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities. At 10 of these sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the affects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program can be found at **http://water.usgs.gov/hbn/**.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 40 stations were operated in the Mississippi, Columbia, Colorado, and Rio Grande basins. From 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia so that a network of 5 stations could be implemented on the Yukon River. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals. Additional information about the NASQAN Program can be found at at **http://water.usgs.gov/nasqan/**.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 225 precipitation chemistry monitoring sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as all data from the individual sites, can be found at **http://bqs.usgs.gov/acidrain/**.

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 59 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program can be found at **http://water.usgs.gov/nawqa/nawqa_home.html**

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 2000 water year that began on October 1, 1999, and ended September 30, 2000. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, ground-water level data, and water-quality data for surface and ground water. The locations of the stations where the surface-water data were collected are shown in figures 1 and 2. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether streamsite or well, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells and, in Colorado, for surface-water stations where only infrequent measurements are made.

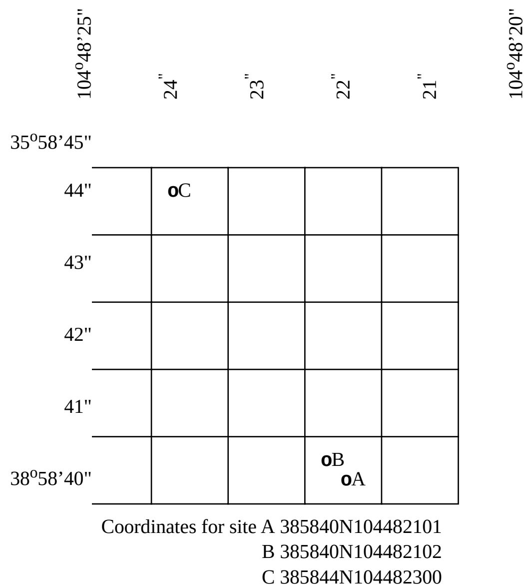
Downstream Order System

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a mainstream station are listed before that station. A station on a tributary that enters between two mainstream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary with respect to the stream to which it is immediately tributary is indicated by an indention in the "List of Stations" in the front of this report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight-digit number for each station, such as 06614800, which appears just to the left of the station name, includes the two-digit Part number "06" plus the six-digit downstream-order number "614800." The Part number designates the major river basin; for example, Part "06" is the Missouri River basin.

Latitude-Longitude System

The identification numbers for wells, springs, and miscellaneous surface-water sites are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote the degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. This site-identification number, once assigned, is a pure number, and may have no locational significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. (See figure below).



System for numbering wells, springs, and miscellaneous sites.

The local well number locates a well within a 10-acre tract using the U. S. Bureau of Land Management system of land subdivision. The components of the local well number proceed from the largest to the smallest land subdivisions. This is in contrast to the legal description, which proceeds from the smallest to the largest land subdivision. The largest subdivision is the survey. Colorado is governed by three surveys: The Sixth Principal Meridian Survey (S), the New Mexico Survey (N), and the Ute Survey (U). Costilla County was not included in any of the above official surveys. This report follows the convention of the Costilla County Assessor in which the northern part of the county is governed by the Sixth Principal Meridian Survey and the southern part of the county is governed by a local system called the Costilla Survey (C). The first letter of the well location designates the survey.

A survey is subdivided into four quadrants formed by the intersection of the baseline and the principal meridian. The second letter of the well location designates the quadrant: A indicates the northeast quadrant, B the northwest, C the southwest, and D the southeast. A quadrant is subdivided in the north-south direction every 6 mi by townships and is divided in the east-west direction every 6 mi by ranges. The first number of the well location designates the township and the second number designates the range.

The 36-mi^2 area described by the township and range designation is subdivided into 1-mi^2 areas called sections. The sections are numbered sequentially. The third number of the well location designates the section. The section, which contains 640 acres, is subdivided into quarter sections. The 160-acre area is designated by the first letter following the section: A indicates the northeast quarter, B the northwest, C the southwest, and D the southeast. The quarter section is subdivided into quarter-quarter sections. The 40-

acre area is designated in the same manner by the second letter following the section. The 10-acre area is designated in the same manner by the third letter following the section. If more than one well is located within the 10-acre tract, the wells are numbered sequentially in the order in which they were originally inventoried. If this number is necessary, it will follow the three-letter designation.

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir content, similarly, are those for which stage or content may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a continuous stage-recording device, but need not be. Because daily mean discharges and end-of-day contents commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles. Records of miscellaneous discharge measurements or of measurements from special studies may be considered as partial records, but they are presented separately in this report. Location of all complete-record stations for which data are given in this report are shown in figure 1.

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a continuous record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily discharges. The data obtained at a complete-record gaging station on a lake or reservoir consist of a record of stage and of notations regarding factors that may affect the relationship between stage and lake content. These data are used with stage-area and stage-capacity curves or tables to compute water-surface areas and lake storage.

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage, with digital recorders that punch stage values on paper tapes at selected time intervals, with electronic recorders that store stage values on computer chips at selected time intervals, or with satellite data-collection platforms that transmit near real-time data at selected time intervals to office computers. Measurements of discharge are made with current meters using methods adapted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A6.

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow over dams or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves, or tables defining the relationship of stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. If the stage-content relationship changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relationship. Even when this is done, the contents computed may become increasingly in error as time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

For some gaging stations there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections. "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

Streamflow data in this report are presented in a new format that is considerably different from the format in data reports prior to the 1992 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or station manuscript above the table. These changes represent the results of a pilot program to reformat the annual water-data report to meet current user needs and data preferences.

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four parts, the manuscript or station description and the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual, daily, and instantaneous flow as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

Station manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gaging station with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that flow at it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Because of new information, published records occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to sea level (see glossary), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a REMARKS paragraph is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the District office (address given on the back of the title page of this report) to determine if the published records were ever revised after the station was discontinued. Of course, if the data for a discontinued station were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

Headings for AVERAGE DISCHARGE, EXTREMES FOR PERIOD OF RECORD, AND EXTREMES FOR CURRENT YEAR have been deleted and the information contained in these paragraphs, except for the listing of secondary instantaneous peak discharges in the EXTREMES FOR CURRENT YEAR paragraph, is now presented in the tabular summaries following the discharge table or in the REMARKS paragraph, as appropriate. No changes have been made to the data presentations of lake contents.

Data table of daily mean values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the average flow in cubic feet per second during the month; and the lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. In the yearly summary below the monthly summary, the figures shown are the appropriate discharges for the calendar and water years. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversions or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

If applicable, data collected at partial-record stations follow the information for continuous-record sites. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Statistics of monthly mean data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEARS______-______, BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS______-______," will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (see line headings below), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table.

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year. At some stations the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

HIGHEST ANNUAL MEAN.--The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.--The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.--The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.--The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

INSTANTANEOUS PEAK FLOW.--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report.)

INSTANTANEOUS PEAK STAGE.--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ. the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.--The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF.--Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile area drained, assuming the runoff is distributed uniformly in time and area.

Inches (INCHES) indicates the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.--The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.--The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.--The discharge that has been exceeded 90 percent of the time for the designated period.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated," or by listing the dates of estimated record in the REMARKS paragraph of the station description.

Accuracy of the Records

The accuracy of streamflow records depends primarily on: (1) The stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements; and (2) the accuracy of measurements of stage, measurements of discharge, and interpretation of records.

The accuracy attributed to the records is indicated under "REMARKS." "Excellent" means that about 95 percent of the daily discharges are within 5 percent of their true value; "good," within 10 percent; and "fair," within 15 percent. Records that do not meet the criteria mentioned, are rated "poor." Different accuracies may be attributed to different parts of a given record.

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for daily values less than 1 ft^3/s; to the nearest tenth between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures for more than 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Records Available

The National Water Data Exchange (NAWDEX), U.S. Geological Survey, Reston, VA 22092, maintains an index of records of discharge collected by other agencies but not published by the Geological Survey. Information on records at specific sites can be obtained from that office upon request.

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables are on file in the Colorado District office. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the District office.

Records of Surface-Water Quality

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

In March 1989 the National Water-Quality Laboratory discovered a bias in the turbidimetric method for sulfate analysis, indicating that values below 75 mg/L have a median positive bias of 2 mg/L above the true value for the period between 1982 and 1989.

On October 1, 1995, the Colorado District adopted a new sampling and quality-assurance protocol for sampling of surface waters (Horowitz and others, 1994). This protocol was adopted as standard operating procedure for the collection and processing of all trace-element, major-ion, nutrient, and radiochemical species in filtered, surface-water samples.

Accuracy of the Records

Accuracy of water-quality monitor records are based on: (1) The completeness of the record, (2) frequency of calibration checks, (3) the length of time and frequency that data exceed allowable error limits, (4) the magnitude of errors, and (5) confidence in the resultant shifts applied. Listed below are the limits of allowable error.

*	Temperature:	± 0.3 degree C.
*	Specific Conductance:	± 5 µS/cm or ± 5% whichever is greater
*	pH:	± 0.2 pH units
*	Dissolved Oxygen:	± 0.3 mg/L or ± 5% whichever is greater.

A record is rated excellent if the allowable error limits are never exceeded, good if limits are occasionally exceeded and shifts are no greater than two times the limit, fair if limits are regularly exceeded and shifts are no greater than three times the limit, and poor for all others.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A <u>continuing-record station</u> is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A <u>partial-record station</u> is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A <u>miscellaneous</u> sampling site is a location other than a continuing or partial-record station, where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records" as used in this report and "continuous recordings," which refers to a continuous graph or a series of discrete values punched or recorded at short intervals on a paper tape, magnetic tape, computer chip, or some other medium. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface water appear in this report are shown in figure 1.

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

Onsite Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations," Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4. All of these references are listed on pages 30 and 31 of this report. Also, detailed information on collecting, treating, and shipping samples may be obtained from the Geological Survey District office.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the collector.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the U.S.G.S. District Office whose address is given on the back of the title page of this report.

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are recorded to the nearest 0.1 degree Celsius. Water temperatures measured at the time of water-discharge measurements are published in this report as supplemental water-quality for gaging stations.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily discharges of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment discharge characteristics of the stream.

In addition to the records of suspended-sediment discharge, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included for some stations.

Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally, most other samples are analyzed in the Geological Survey laboratories in Lakewood, CO. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chap. C1. Methods used by the Geological Survey laboratories are given in TWRI, Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4.

Historical and current-year dissolved trace-element concentrations are reported herein for water that was collected, processed, and analyzed by using either ultraclean or other than ultraclean techniques. If ultraclean techniques were used, then those concentrations are reported in nanograms per liter. If other than ultraclean techniques were used, then those concentrations are reported in micrograms per liter and could reflect contamination introduced during some phase of the procedure.

Water-Quality Data Reporting Convention

The USGS National Water Quality Laboratory collects quality-control data on a continuing basis to evaluate selected analytical methods to determine long-term method detection levels (LT-MDL's) and laboratory reporting levels (LRL's). These values are re-evaluated each year on the basis of the most recent quality-control data and, consequently, may change from year to year.

This reporting procedure limits the occurrence of false positive error. The chance of falsely reporting a concentration greater than the LT-MDL for a sample in which the analyte is present is 1 percent or less. Application of the LRL limits the occurrrence of false negative error. The chance of falsely reporting a non-detection for a sample in which the analyte is present at a concentration equal to or greater than the LRL is 1 percent or less.

Accordingly, concentrations are reported as <LRL for samples in which the analyte was either not detected or did not pass identification. Analytes that are detected at concentrations between the LT-MDL and LRL and that pass identification criteria are estimated. Estimated concentrations will be noted with a remark code of "E". These data should be used with the understanding that their uncertainty is greater than that of data reported without the "E" remark code.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

DRAINAGE AREA.--See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

The surface-water-quality records for partial-record stations and miscellaneous sampling sites are published in separate tables following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Remark Codes

The following remark codes may appear with the water-quality data in this report:

PRINTED OUTPUT REMARK

E	Estimated laboratory analysis value
e	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
K	Based on non-ideal colony count
M	Presence of material verified but not quantified

Records of Ground-Water Quality

Records of ground-water quality in this report differ from other types of records in that for most sampling sites they consist of only one set of measurements for the water year. The quality of ground water ordinarily changes only slowly; therefore, for most general purposes one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequent measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring for trends in nitrate concentration. In the special cases where the quality of ground water may change more rapidly, more frequent measurements are made to identify the nature of the changes.

Data Collection and Computation

The records of ground-water quality in this report were obtained mostly as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some counties but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality statewide. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years.

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" manuals listed at the end of the introductory text. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

The records of ground-water quality are published in a section titled QUALITY OF GROUND WATER immediately following the ground-water-level records. Data for quality of ground water are listed alphabetically by County, and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. No descriptive statements are given for ground-water-quality records; however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water. The REMARK codes listed for surface-water-quality records are also applicable to ground-water-quality records.

ACCESS TO USGS WATER DATA

The USGS provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily-mean and peak-flow discharge data for most current or discontinued gaging stations through the World Wide Web (WWW). These data may be accessed at :

http://water.usgs.gov	National home page
http://co.water.usgs.gov	Colorado home page

Some water-quality, ground-water, and meteorological data also are available through the WWW. In addition, data can be provided in various machine-readable formats on magnetic tape or 3.5 inch floppy diskette. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division District Offices (See address on the back of the title page).

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also table for converting English units to International System (SI) Units on the inside of the back cover.

Acid neutralizing capacity (ANC) is the equivalent sum of all bases or base-producing materials, solutes plus particulates, in an aqueous system that can be titrated with acid to an equivalence point. This term designates titration of an “unfiltered” sample (formerly reported as alkalinity).

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters.

Adenosine triphosphate (ATP) is an organic, phosphate-rich, compound important in the transfer of energy in organisms. Its central role in living cells makes it an excellent indicator of the presence of living material in water. A measurement of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter.

Algae are mostly aquatic single-celled, colonial, or multicelled plants containing chlorophyll and lacking roots, stems, and leaves.

Algal growth potential (AGP) is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present at stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample.

Alkalinity represents the capacity of solutes in an aqueous sample to neutralize acid. Total alkalinity titrations are performed in the field (FIELD) environment on an aqueous sample, filtered through a 0.45 micrometer filter (DIS), to an inflection point near pH = 4.5, using the iterative-titration (IT) method. Alkalinity titrations in the laboratory (LAB) are performed on unfiltered samples using the fixed-endpoint (FEP) method to pH = 4.5. On occasion, for chemical or hydrologic considerations, alkalinity titrations are performed in the field environment on unfiltered, whole-water (WWR) samples and noted. Column headings in this publication containing total alkalinity results will display the location: FIELD or LAB; titration method: IT or FEP; and type of aqueous sample: DIS or WWR.

Annual runoff is the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters.

Cubic foot per second per square mile [CFSM, (ft3/s)/mi2] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.

Inch (IN., in.) as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were uniformly distributed on it.

Aroclor is the registered trademark for a group of polychlorinated biphenyls that were manufactured by the Monsanto Company prior to 1976. Aroclors are assigned specific 4-digit reference numbers dependent upon molecular type and degree of substitution of the biphenyl ring hydrogen atoms by chlorine atoms. The first two digits of a numbered aroclor represent the molecular type and the last two digits represent the weight percent of the hydrogen substituted chlorine.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, while others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. This group includes coliforms that inhabit the intestine of warm-blooded animals and those that inhabit soils. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35 ∞C. In the laboratory, these bacteria are defined as all the organisms that produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35 ∞C plus or minus 1.0 ∞C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5 ∞C plus or minus 0.2 ∞C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found in the intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at 35 ∞C plus or minus 1.0 ∞C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Enterococcus bacteria are commonly found in the feces of humans and other warm-blooded animals. Although some strains are ubiquitous and not related to fecal pollution, the presence of enterococci in water is an indication of fecal pollution and the possible presence of enteric pathogens. Enterococcus bacteria are those bacteria that produce pink to red colonies with black or reddish-brown precipitate after incubation at 41 ∞C on mE agar and subsequent transfer to EIA medium. Enterococci include Streptococcus feacalis, Streptococcus feacium, Streptococcus avium, and their variants.

Escherichia coli (E. coli) are bacteria present in the intestine and feces of warm-blooded animals. E. coli are a member species of the fecal coliform group of indicator bacteria. In the laboratory, they are defined as those bacteria that produce yellow or yellow-brown colonies on a filter pad saturated with urea substrate broth after primary culturing for 22 to 24 hours at 44.5 ˚C on mTEC medium. Their concentrations are expressed as number of colonies per 100 mL of sample.

Base flow is flow in a channel sustained by ground-water discharge in the absence of direct runoff.

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Benthic organisms (invertebrates) are the group of animals inhabiting the bottom of an aquatic environment. They include a number of types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. They are useful as indicators of water quality.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by microorganisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500 ∞C for 1 hour. Ash mass of zooplankton and phytoplankton is expressed in grams per cubic meter (g/m3), and periphyton and benthic organisms in grams per square meter (g/m2).

Dry mass refers to the mass of residue present after drying in an oven at 105 ∞C for zooplankton and periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash, and sediment in the sample. Dry mass is expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. Organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Biomass pigment ratio is an indicator of the total proportion of periphyton which are autotrophic (plants). This is also called the Autotrophic Index.

Bottom material: See “Bed material.”

Cells/volume refers to the number of plankton cells or natural units counted using a microscope and grid or counting cell. Results are generally reported as cells or units per milliliter.

Cells volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are frequently used in aquatic surveys as an indicator of algal production. However, cell numbers alone cannot represent true biomass because of considerable cell-size variation among the algal species. Cell volume (mm3) is determined by obtaining critical cell measurements on cell dimensions (for example, length, width, height, or radius) for 20 to 50 cells of each important species to obtain an average biovolume per cell. Cells are categorized according to the correspondence of their cellular shape to the nearest geometric solid or combinations of simple solids (for example, spheres, cones, or cylinders). Representative formulae used to compute biovolume are as follows:

sphere 4/3 pr3 cone 1/3 pr3h cylinder pr3h.

From cell volume, total algal biomass expressed as biovolume (mm3/mL) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes over all species.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with BOD or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

Colloid is any substance with particles in such a fine state of subdivision dispersed in a medium (for example, water) that they do not settle out; but not in so fine a state of subdivision that they can be said to be truly dissolved.

Color unit is produced by 1 milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Confined aquifer is a term used to describe an aquifer containing water between two relatively impermeable boundaries. The water level in a well tapping a confined aquifer stands above the top of the confined aquifer and can be higher or lower than the water table that may be present in the material above it. In some cases the water level can rise above the ground surface, yielding a flowing well.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Continuous-record station is a site that meets either of the following conditions:

1. Stage or streamflow are recorded at some interval on a continuous basis. The recording interval is usually 15 minutes, but may be less or more frequent.
2. Water-quality, sediment, or other hydrologic measure-ments are recorded at least daily.

Control designates a feature in the channel downstream from a gaging station that physically influences the water-surface elevation and thereby determines the stage-discharge relation at the station. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic foot per second (CFS, ft3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second, 448.8 gallons per minute, or 0.02832 cubic meters per second.

Cubic foot per second-day (CFS-DAY, Cfs-day, [(ft3/s)/d]) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, 646,317 gallons, or 2,447 cubic meters.

Daily record is a summary of streamflow, sediment, or water-quality values computed from data collected with sufficient frequency to obtain reliable estimates of daily mean values.

Daily record station is a site for which daily records of streamflow, sediment, or water-quality values are computed.

Datum, as used in this report, is an elevation above mean sea level to which all gage height readings are referenced.

Diel is of or pertaining to a 24-hour period of time; a regular daily cycle.

Discharge, or flow, is the volume of water (or more broadly, volume of fluid including solid- and dissolved-phase material), that passes a given point in a given period of time.

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days in a year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

I**nstantaneous discharge** is the discharge at a particular instant of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Dissolved refers to that material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of “dissolved” constituents are made on subsamples of the filtrate.

Dissolved oxygen (DO) content of water in equilibrium with air is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved solids, with small temperature changes having the more significant offset. Photosynthesis and respiration may cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved-solids concentration of water is determined either analytically by the “residue-on-evaporation” method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During that analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to reflect the change. Alternatively, alkalinity concentration (as mg/L $CaCO_3$) can be converted to carbonate concentration by multiplying by 0.60.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i=1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Diversity index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a site on a stream is that area, measured in a horizontal plane, that has a common outlet at the site for its surface runoff. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the Earth’s surface that is occupied by a drainage system with a common outlet for its surface runoff (see “Drainage area”).

Dry weight refers to the weight of animal tissue after it has been dried in an oven at 65 ˚C until a constant weight is achieved. Dry weight represents total organic and inorganic matter in the tissue.

Flow-duration percentiles are values on a scale of 100 that indicate the percentage of time for which a flow is not exceeded. For example, the 90th percentile of river flow is greater than or equal to 90 percent of all recorded flow rates.

Gage datum is the elevation of the zero point of the reference gage from which gage height is determined as compared to sea level (see “Datum”). This elevation is established by a system of levels from known benchmarks, by approximation from topographic maps, or by geographical positioning system.

Gage height (G.H.) is the water-surface elevation referenced to the gage datum. Gage height is often used interchangeably with the more general term “stage,” although gage height is more appropriate when used with a reading on a gage.

Gaging station is a site on a stream, canal, lake, or reservoir where systematic observations of stage, discharge, or other hydrologic data are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Gas chromatography/flame ionization detector (GC/FID) is a laboratory analytical method used as a screening technique for semivolatile organic compounds that are extractable from water in methylene chloride.

Ground-water level is the elevation of the water table or another potentiometric surface at a particular location.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate ($CaCO_3$).

Hydrologic benchmark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a benchmark station may be used to separate effects of natural from human-induced changes in other basins that have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped benchmark basin.

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as defined by the former Office of Water Data Coordination and delineated on the State Hydrologic Unit Maps by the U.S. Geological Survey. Each hydrologic unit is identified by an 8-digit number.

Land-surface datum (lsd) is a datum plane that is approximately at land surface at each ground-water observation well.

Light-attenuation coefficient, also known as the extinction coefficient, is a measure of water clarity. Light is attenuated according to the Lambert-Beer equation

$$I = I_o e^{-\lambda L} \quad ,$$

where Io is the source light intensity, I is the light intensity at length L (in meters) from the source, l is the light-attenuation coefficient, and e is the base of the natural logarithm. The light attenuation coefficient is defined as

$$\lambda = -\frac{1}{L} \log_e \frac{I}{I_o} \quad .$$

Lipid is any one of a family of compounds that are insoluble in water and that make up one of the principal components of living cells. Lipids include fats, oils, waxes, and steroids. Many environmental contaminants such as organochlorine pesticides are lipophilic.

Macrophytes are the macroscopic plants in the aquatic environment. The most common macrophytes are the rooted vascular plants that are usually arranged in zones in aquatic ecosystems and restricted in the area by the extent of illumination through the water and sediment deposition along the shoreline.

Measuring point (MP) is an arbitrary permanent reference point from which the distance to water surface in a well is measured to obtain water level.

Membrane filter is a thin microporous material of specific pore size used to filter bacteria, algae, and other very small particles from water.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Methylene blue active substances (MBAS) are apparent detergents. The determination depends on the formation of a blue color when methylene blue dye reacts with synthetic anionic detergent compounds.

Micrograms per gram (UG/G, mg/g) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per kilogram (UG/KG, mg/kg) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the constituent per unit mass (kilogram) of the material analyzed. One microgram per kilogram is equivalent to 1 part per billion.

Micrograms per liter (UG/L, mg/L) is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter.

Microsiemens per centimeter (US/CM, mS/cm) is a unit expressing the amount of electrical conductivity of a solution as measured between opposite faces of a centimeter cube of solution at a specified temperature. Siemens is the International System of Units nomenclature. It is synonymous with mhos and is the reciprocal of resistance in ohms.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in water as the mass (milligrams) of constituent per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L and is based on the mass of dry sediment per liter of water-sediment mixture.

Miscellaneous site, or miscellaneous station, is a site where streamflow, sediment, and/or water-quality data are collected once, or more often on a random or discontinuous basis.

Most probable number (MPN) is an index of the number of coliform bacteria that, more probably than any other number, would give the results shown by the laboratory examination; it is not an actual enumeration. MPN is determined from the distribution of gas-positive cultures among multiple inoculated tubes.

Multiple-plate samplers are artificial substrates of known surface area used for obtaining benthic invertebrate samples. They consist of a series of spaced, hardboard plates on an eyebolt.

Nanograms per liter (NG/L, ng/L) is a unit expressing the concentration of chemical constituents in solution as mass (nanograms) of solute per unit volume (liter) of water. One million nanograms per liter is equivalent to 1 milligram per liter.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a geodetic datum derived from a general adjustment of the first order level nets of the United States and Canada. It was formerly called “Sea Level Datum of 1929” or “mean sea level” in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place. See NOAA web site: http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88

Nekton are the consumers in the aquatic environment and consist of large free-swimming organisms that are capable of sustained, directed mobility.

Nephelometric turbidity unit (NTU) is the measurement for reporting turbidity that is based on use of a standard suspension of Formazin. Turbidity measured in NTU uses nephelometric methods that depend on passing specific light of a specific wavelength through the sample.

Open or screened interval is the length of unscreened opening or of well screen through which water enters a well, in feet below land surface.

Organic carbon (OC) is a measure of organic matter present in aqueous solution, suspension, or bottom sediments. May be reported as dissolved organic carbon (DOC), suspended organic carbon (SOC), or total organic carbon (TOC).

Organism is any living entity.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meter (m2), acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Organochlorine compounds are any chemicals that contain carbon and chlorine. Organochlorine compounds that are important in investigations of water, sediment, and biological quality include certain pesticides and industrial compounds.

Parameter Code is a 5-digit number used in the U.S. Geological Survey computerized data system, National Water Information System (NWIS), to uniquely identify a specific constituent or property.

Partial-record station is a site where discrete measurements of one or more hydrologic parameters are obtained over a period of time without continuous data being recorded or computed. A common example is a crest-stage gage partial-record station at which only peak stages and flows are recorded.

Particle size is the diameter, in millimeters (mm), of a particle determined by sieve or sedimentation methods. The sedimentation method utilizes the principle of Stokes Law to calculate sediment particle sizes. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube, Sedigraph) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay	0.00024 - 0.004	Sedimentation
Silt	0.004 - 0.062	Sedimentation
Sand	0.062 - 2.0	Sedimentation/sieve
Gravel	2.0 - 64.0	Sieve

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

Percent composition or percent of total is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, weight, or volume.

Periodic station is a site where stage, discharge, sediment, chemical, or other hydrologic measurements are made one or more times during a year, but at a frequency insufficient to develop a daily record.

Periphyton is the assemblage of microorganisms attached to and living upon submerged solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton are useful indicators of water quality.

Pesticides are chemical compounds used to control undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

pH of water is the negative logarithm of the hydrogen-ion activity. Solutions with pH less than 7 are termed “acidic,” and solutions with a pH greater than 7 are termed “basic.” Solutions with a pH of 7 are neutral. The presence and concentration of many dissolved chemical constituents found in water are, in part, influenced by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms are also influenced, in part, by the hydrogen-ion activity of water.

Picocurie (PC, pCi) is one trillionth (1 x 10-12) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7 x 1010 radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers. Concentrations are expressed as a number of cells per milliliter (cells/mL of sample).

Phytoplankton is the plant part of the plankton. They are usually microscopic, and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment and are commonly known as algae.

Blue-green algae (Cyanophyta) are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample.

Euglenoids (Euglenophyta) are a group of algae that are usually free-swimming and rarely creeping. They have the ability to grow either photosynthetically in the light or heterotrophically in the dark.

Fire algae (Pyrrhophyta) are a group of algae that are free-swimming unicells characterized by a red pigment spot.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algae mats or floating “moss” in lakes. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCB’s) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated naphthalenes (PCN’s) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCB’s) and have been identified in commercial PCB preparations.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic and chemosynthetic activity of producer organisms (chiefly, green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated (carbon method) by the plants.

Primary productivity (carbon method) is expressed as milligrams of carbon per area per unit time [mg C/(m2/time)] for periphyton and macrophytes or per volume [mg C/(m3/time)] for phytoplankton. Carbon method defines the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light and dark bottle method and is preferred for use in unenriched waters. Unit time may be either the hour or day, depending on the incubation period.

Primary productivity (oxygen method) is expressed as milligrams of oxygen per area per unit time [mg O/(m2/time)] for periphyton and macrophytes or per volume [mg O/(m3/time)] for phytoplankton. Oxygen method defines production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light and dark bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period.

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus; for example, ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Recurrence interval, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or non-exceedance of a specified low flow). The terms “return period” and “recurrence interval” do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100 years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day 10-year low flow (7Q10) is the flow rate below which the annual minimum 7-day-mean flow dips at intervals whose average length is 10 years (that is, once in 10 years, on average); almost two-thirds of the non-exceedances of the 7Q10 occur less than 10 years after the previous non-exceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous non-exceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the 7Q10.

Replicate samples are a group of samples collected in a manner such that the samples are thought to be essentially identical in composition.

River mile is the distance of a point on a river measured in miles from the river’s mouth along the low-water channel.

River mileage is the linear distance along the meandering path of a stream channel determined in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council.

Runoff in inches (IN., in.) is the depth, in inches, to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sea level refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929. See: http://www.co-ops.nos.noaa.gov/glossary/gloss_n.html#NGVD

Sediment is solid material that is transported by, suspended in, or deposited from water. It originates mostly from disintegrated rocks; it also includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along or very close to the bed. In this report, bed load is considered to consist of particles in transit from the bed to an elevation equal to the top of the bed-load sampler nozzle (usually within 0.25 ft of the streambed).

Bed-load discharge (tons per day) is the quantity of sediment moving as bed load, reported as dry weight, that passes a cross section in a given time.

Suspended sediment is the sediment that is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L). The entire sample is used for the analysis.

Mean concentration of suspended sediment is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Suspended-sediment discharge (tons/day) is the quantity of sediment moving in suspension, reported as dry weight, that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft3/s) x 0.0027.

Suspended-sediment load is a term that refers to material in suspension. The term needs to be qualified, such as “annual suspended-sediment load” or “sand-size suspended-sediment load,” and so on. It is not synonymous with either suspended-sediment discharge or concentration.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, reported as dry weight, that passes a cross section in a given time.

Total sediment load or total load is a term that refers to the total sediment (bed load plus suspended-sediment load) that is in transport. The term needs to be qualified, such as “annual suspended-sediment load” or “sand-size suspended-sediment load,” and so on. It is not synonymous with total sediment discharge.

Seven-day 10-year low flow (7Q10, 7Q10) is the minimum flow averaged over 7 consecutive days that is expected to occur on average, once in any 10-year period. The 7Q10 has a 10-percent chance of occurring in any given year.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Waters range in respect to sodium hazard from those which can be used for irrigation on almost all soils to those which are generally unsatisfactory for irrigation.

Solute is any substance that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 ∞C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stable isotope ratio (per MILL/MIL) is a unit expressing the ratio of the abundance of two radioactive isotopes. Isotope ratios are used in hydrologic studies to determine the age or source of specific waters, to evaluate mixing of different waters, as an aid in determining reaction rates, and other chemical or hydrologic processes.

Stage: See “Gage height.”

Stage-discharge relation is the relation between the water-surface elevation, termed stage (gage height), and the volume of water flowing in a channel per unit time.

Streamflow is the discharge that occurs in a natural channel. Although the term “discharge” can be applied to the flow of a canal, the word “streamflow” uniquely describes the discharge in a surface stream course. The term “streamflow” is more general than “runoff” as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lives.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Natural substrate refers to any naturally occurring immersed or submersed solid surface, such as a rock or tree, upon which an organism lives.

Surface area of a lake or impoundment is that area encompassed by the boundary of the lake or impoundment as shown on USGS topographic maps, or on other available maps or photographs. The computed surface areas reflect the water levels of the lakes or impoundments at the times when the information for the maps or photographs was obtained.

Surficial bed material is the top 0.1 to 0.2 ft of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is associated with the material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative suspended-sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the “total” amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of “suspended, recoverable” constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative suspended-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. Knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as “suspended, total.”

Determinations of “suspended, total” constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Synoptic Studies are short-term investigations of specific water-quality conditions during selected seasonal or hydrologic periods to provide improved spatial resolution for critical water-quality conditions. For the period and conditions sampled, they assess the spatial distribution of selected water-quality conditions in relation to causative factors, such as land use and contaminant sources.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata, is the following:

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	Hexagenia
Species	Hexagenia limbata

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot is the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY, tons/d) is the rate representing a mass of 1 ton of a constituent in streamflow passing a cross section in 1 day. It is equivalent to 2,000 pounds per day, or 0.9072 metric tons per day.

Total is the total amount of a given constituent in a representative suspended-sediment sample, regardless of the constituent’s physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as “total.” (Note that the word “total” does double duty here, indicating both that the sample consists of a suspended-sediment mixture and that the analytical method determined all of the constituent in the sample.)

Total discharge is the quantity of a given constituent, measured as dry mass or volume, that passes a stream cross section per unit of time. When referring to constituents other than water, this term needs to be qualified, such as “total sediment discharge,” “total chloride discharge,” and so on.

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as “total in bottom material.”

Total length (fish) is the straight-line distance from the anterior point of a fish specimen’s snout, with the mouth closed, to the posterior end of the caudal (tail) fin, with the lobes of the caudal fin squeezed together.

Total load refers to all of a constituent in transport. When referring to sediment, it includes suspended load plus bed load.

Total recoverable is the amount of a given constituent that is in solution after a representative suspended-sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the “total” amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Turbidity is a measurement of the collective optical properties of a water sample that cause light to be scattered and absorbed rather than transmitted in straight lines; the higher the intensity of scattered light, the higher the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU) or Formazin turbidity units (FTU) depending on the method and equipment used.

Volatile organic compounds (VOC's) are organic compounds that can be isolated from the water phase of a sample by purging the water sample with inert gas, such as helium, and subsequently analyzed by gas chromatography. Many VOC's are manmade chemicals that are used and produced in the manufacture of paints, adhesives, petroleum products, pharmaceuticals, and refrigerants. They are often components of fuels, solvents, hydraulic fluids, paint thinners, and dry cleaning agents commonly used in urban settings. VOC contamination of drinking-water supplies is a human health concern because many are toxic and are known or suspected human carcinogens (U.S. Environmental Protection Agency, 1996).

Water level is the water-surface elevation or stage of the free surface of a body of water above or below any datum (see “Gage height”), or the surface of water standing in a well, usually indicative of the position of the water table or other potentiometric surface.

Water table is the surface of a ground-water body at which the water is at atmospheric pressure.

Water-table aquifer is an unconfined aquifer within which is found the water table.

Water year in U.S. Geological Survey reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1999, is called the “1999 water year.”

WDR is used as an abbreviation for “Water-Data Report” in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports. (WRD was used as an abbreviation for “Water-Resources Data” in reports published prior to 1976.)

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

Well is an excavation (pit, hole, tunnel), generally cylindrical in form and often walled in, drilled, dug, driven, bored, or jetted into the ground to such a depth as to penetrate water-yielding geologic material and allow the water to flow or to be pumped to the surface.

Wet weight refers to the weight of animal tissue or other substance including its contained water.

WSP is used as an abbreviation for “Water-Supply Paper” in reference to previously published reports.

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DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE ONLY STATIONS

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Colorado have been discontinued or converted to partial-record stations. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station. [--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Lady Creek near Grand Lake, CO	09010100	0.08	1969-75
Jimmy Creek near Grand Lake, CO	09010400	0.08	1969-75
Onahu Creek near Grand Lake, CO	09010600	8.84	1969
Colorado River near Grand Lake, CO	09011000	102	1904-18, 1933-86
Little Columbine Creek above Shadow Mountain Lake at Grand Lake, CO	09011500	1.65	1950-55
Tonahutu Creek near Grand Lake, CO	09012400	16.0	1969
Harbison Ditch near Grand Lake, CO	09012410	--	1969
Tonahutu Creek below Harbison Ditch near Grand Lake, CO	09012420	--	1969
North Inlet at Grand Lake, CO	09012500	45.9	1905-09, 1910-12, 1947-55
East Inlet near Grand Lake, CO	09013500	27.2	1947-55
Grand Lake Outlet at Grand Lake, CO	09014000	76.3	1904-09, 1910-13
Shadow Mountain Lake near Grand Lake, CO	09014500	185	1947-98
Colorado River below Shadow Mountain Reservoir, CO	09015000	190	1947-59
Columbine Creek above Lake Granby near Grand Lake, CO	09015500	7.38	1950-55
Roaring Fork above Lake Granby, CO	09016000	5.95	1951-55
Arapahoe Creek at Monarch Lake Outlet, CO	09016500	46.9	1944-71
Arapahoe Creek below Monarch Lake, CO	09017000	56.9	1934-44
Stillwater Creek above Lake Granby, CO	09018000	17.5	1950-55
Colorado River below Lake Granby, CO	09019000	312	1950-82
Willow Creek near Granby, CO	09020000	109	1934-53
Willow Creek above Willow Creek Reservoir, CO	09020500	127	1953-60
Willow Creek Reservoir near Granby, CO	09020700	134	1953-98
Willow Creek below Willow Creek Reservoir, CO	09021000	134	1953-82
Moffat Water Tunnel at East Portal, CO	09022500	--	1935-82
Fraser River above Winter Park, CO	09023500	22.4	1907-09, 1934-37
Elk Creek near Fraser, CO	09025400	7.15	1970-96
Ranch Creek Ditch near Fraser, CO	09031900	--	1948-67
Ranch Creek near Tabernash, CO	09032500	51.3	1934-60
Meadow Creek near Tabernash, CO	09033000	8.03	1935-56
Strawberry Creek near Granby, CO	09033500	11.6	1935-45
Fraser River at Granby, CO	09034000	297	1904-09, 1937-55
Colorado River at Hot Sulphur Springs, CO	09034500	825	1904-94
Little Muddy Creek near Parshall, CO	09034800	6.52	1953-65
South Fork Williams Fork at Upper Station near Ptarmigan Pass, CO	09035820	2.78	1984-87
South Fork Williams Fork near Ptarmigan Pass, CO	09035830	4.01	1984-88
South Fork Williams Fork above Tributary near Ptarmigan Pass, CO	09035840	5.53	1984-87
South Fork Williams Fork Tributary near Ptarmigan Pass, CO	09035845	0.60	1984-88
South Fork Williams Fork above Short Creek near Ptarmigan Pass, CO	09035850	6.53	1984-87
South Fork Williams Fork below Short Creek near Ptarmigan Pass, CO	09035870	20.0	1984-87
South Fork Williams Fork below Old Baldy Mountain near Leal, CO	09035880	21.8	1985-88
Keyser Creek near Leal, CO	09036500	13.8	1942-52
Williams Fork near Scholl, CO	09037000	141	1910-17
Skylark Creek near Parshall, CO	09037200	2.42	1958-65
Williams Fork Reservoir near Parshall, CO	09038000	230	1939-98
Troublesome Creek near Pearmont, CO	09039000	44.6	1953-93
Troublesome Creek at Atmore Ranch near Troublesome, CO	09039500	48.8	1937-43
East Fork Troublesome Creek near Troublesome, CO	09040000	76.0	1937-43, 1953-83
Troublesome Creek near Troublesome, CO	09040500	168	1904-05, 1921-22, 1937-56
Muddy Creek near Kremmling, CO	09041000	87.4	1937-43, 1955-71, 1993-99
Antelope Creek near Kremmling, CO	09041100	11.5	1955-68
Red Dirt Creek near Kremmling, CO	09041200	19.0	1955-74
Pass Creek near Kremmling, CO	09041300	17.8	1957-70
Muddy Creek at Kremmling, CO	09041500	290	1904-05, 1982-95
Monte Cristo Creek near Hoosier Pass, CO	09043000	5.66	1953-58
Hoosier Creek near Hoosier Pass, CO	09044000	1.15	1953-58
Bemrose Creek near Hoosier Pass, CO	09044500	1.95	1953-58
McCullough Gulch near Breckenridge, CO	09045000	4.79	1953-58
Spruce Creek near Breckenridge, CO	09045500	5.23	1953-58

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE ONLY STATIONS (Continued)

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Colorado have been discontinued or converted to partial-record stations. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station. [--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Blue River at Dillon, CO	09047000	128	1910-61
Snake River at Dillon, CO	09048000	90.9	1910-19, 1929-64
West Tenmile Creek at Copper Mountain, CO	09049200	21.0	1973-79
Tenmile Creek at Frisco, CO	09050000	81.0	1942-50
Tenmile Creek at Dillon, CO	09050500	111	1910-19, 1929-61
Dillon Reservoir	09050600	335	1963-98
Straight Creek near Dillon, CO	09051000	12.9	1943-52
Willow Creek near Dillon, CO	09051500	13.4	1942-51
Rock Creek near Dillon, CO	09052000	15.8	1942-56, 1966-94
Boulder Creek at upper station, near Dillon, CO	09052400	8.56	1966-94
Boulder Creek near Dillon, CO	09052500	9.89	1942-51
Slate Creek at upper station, near Dillon, CO	09052800	14.2	1966-94
Slate Creek near Dillon, CO	09053000	16.6	1942-54
Blue River above Green Mountain Reservoir, CO	09053500	511	1943-71, 1985-88
Black Creek below Black Lake, near Dillon, CO	09054000	15.0	1942-49, 1966-94
Black Creek above Green Mountain Reservoir, CO	09054500	18.5	1944-53
Otter Creek above Green Mountain Reservoir, CO	09055000	8.40	1944-53
Cataract Creek near Kremmling, CO	09055300	12.0	1966-94
Cataract Creek above Green Mountain Reservoir, CO	09055500	13.6	1944-53
Blue River near Kremmling, CO	09056000	571	1904-08
Green Mountain Reservoir	09057000	598	1942-98
Blue River below Spruce Creek near Kremmling, CO	09057520	645	1989-94
Colorado River near Radium, CO	09058030	2,412	1981-90
Dickson Creek near Minturn, CO	09058600	3.41	1964-71
Rock Creek near Toponas, CO	09060500	47.6	1952-81
Rock Creek at Crater, CO	09060550	72.6	1984-99
Egeria Creek near Toponas, CO	09060700	28.2	1965-73
Rock Creek at McCoy, CO	09060770	198	1983-97
Big Alkali Creek near Burns, CO	09060800	14.2	1958-65
Catamount Creek near Burns, CO	09060900	5.31	1955-61
Big Alkali Creek below Castle Creek near Burns, CO	09060950	34.2	1981-86
Sunnyside Creek near Burns, CO	09061000	9.04	1952-58
Columbine Ditch near Fremont Pass, CO	09061500	--	1930-82
Ewing Ditch at Tennessee Pass, CO	09062000	--	1908-82
Wurtz Ditch near Tennessee Pass, CO	09062500	--	1931-82
Turkey Creek at Red Cliff, CO	09063500	29.4	1913-21, 1944-56
Black Gore Creek near Vail, CO	09066050	19.6	1974-79
Gore Creek at Vail, CO	09066250	57.3	1974-79
Gore Creek at Lower Station, at Vail, CO	09066310	77.1	1988-99
Gore Creek near Minturn, CO	09066500	101	1911-14, 1944-56
Beaver Creek at Avon, CO	09067000	14.8	1911, 1912-14, 1974-87, 1988
Eagle River at Avon, CO	09067005	395	1988-99,
Alkali Creek near Wolcott, CO	09067300	27.3	1958-65
Eagle River at Eagle, CO	09067500	629	1910-24
East Brush Creek at Yeoman Park near Eagle, CO	09067700	9.74	1965-72
Brush Creek near Eagle, CO	09068000	71.4	1950-72
Gypsum Creek near Gypsum, CO	09069500	62.7	1950-55, 1965-72
Colorado River near Glenwood Springs, CO	09071100	--	1941-85
Grizzly Creek near Glenwood Springs, CO	09071300	5.73	1976-96
Colorado River at Glenwood Springs, CO	09072500	4,558	1899-1966
Roaring Fork above Lost Man Creek near Aspen, CO	09072550	9.10	1980-86
Lincoln Creek below Grizzly Reservoir near Aspen, CO	09073005	15.2	1980-86
Roaring Fork River at Aspen, CO	09073500	109	1910-21, 1931-64
Hunter Creek above Midway Creek near Aspen, CO	09073700	6.18	1964-80
Hunter Creek Feeder Conduit near Aspen, CO	09073720	--	1981-83
Midway Creek Feeder Conduit near Aspen, CO	09073790	--	1981-83
Midway Creek near Aspen, CO	09073800	8.62	1971-80
No Name Creek Feeder Conduit near Aspen, CO	09073890	--	1981-83

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE ONLY STATIONS (Continued)

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Station name	Station number	Drainage area (sq mi)	Period of record (water years)
No Name Creek near Aspen, CO	09073900	6.54	1971-80
Castle Creek above Aspen, CO	09074800	32.2	1969-94
Castle Creek near Aspen, CO	09075000	67.0	1911-20
Roaring Fork below Aspen, CO	09075500	228	1913-18
Maroon Creek above Aspen, CO	09075700	35.4	1969-94
Maroon Creek near Aspen, CO	09076000	41.7	1910-17
Owl Creek near Aspen, CO	09076520	6.60	1974-89
Fryingpan River Feeder Canal near Norrie, CO	09077150	--	1971-83
Fryingpan River near Ivanhoe Lake, CO	09077200	18.7	1963-82
Lily Pad Feeder Canal near Norrie, CO	09077250	--	1972-83
Granite Creek Feeder Conduit near Norrie, CO	09077300	--	1981-83
Fryingpan River near Norrie, CO	09077400	32.2	1963-67
Ivanhoe Creek near Norrie, CO	09077600	9.12	1963-76
Ivanhoe Creek Feeder Canal near Nast, CO	09077605	--	1976-83
Ivanhoe Creek near Nast, CO	09077610	9.43	1976-82
South Fork Fryingpan River Feeder Canal near Norrie, CO	09077750	--	1971-83
South Fork Fryingpan River at Upper Station near Norrie, CO	09077800	11.5	1963-82
South Fork Fryingpan River near Norrie, CO	09077900	17.3	1963-67
Chapman Gulch Feeder Canal near Norrie, CO	09077940	--	1971-83
Chapman Gulch near Nast, CO	09077945	6.00	1973-82
Chapman Gulch near Norrie, CO	09077950	6.38	1966-72
Sawyer Creek Feeder Canal near Norrie, CO	09077960	--	1972-83
Fryingpan River at Norrie, CO	09078000	90.6	1910-17, 1947-83
North Fork Fryingpan River Feeder Canal near Norrie, CO	09078040	--	1980-83
Morman Creek Feeder Canal near Norrie, CO	09078050	--	1979-83
Carter Creek Feeder Canal near Norrie, CO	09078060	--	1980-83
North Fork Fryingpan River above Cunningham Creek near Norrie, CO	09078100	12.0	1963-80
Cunningham Creek Feeder Canal near Norrie, CO	09078140	--	1979-83
Middle Cunningham Creek Feeder Canal near Norrie, CO	09078150	--	1980-83
Cunningham Creek near Norrie, CO	09078200	7.12	1963-80
North Fork Fryingpan River below Cunningham Creek near Norrie, CO	09078300	24.2	1963-68
North Fork Fryingpan River near Norrie, CO	09078500	42.0	1910-17, 1947-82
Lime Creek near Troutville, CO	09078900	4.56	1963-68
Lime Creek at Troutville, CO	09079000	7.76	1950-56
Lime Creek at Thomasville, CO	09079500	35.0	1950-56
Fryingpan River at Thomasville, CO	09080000	173	1915-20
Fryingpan River at Meredith, CO	09080100	191	1910-15, 1966-80
Fryingpan River at Ruedi, CO	09080200	226	1959-64
Rocky Fork Creek near Meredith, CO	09080300	12.3	1968-82
West Sopris Creek near Basalt, CO	09080800	14.4	1963-68
Crystal River at Marble, CO	09081500	74.3	1910-15, 1916-17
Crystal River at Placita, CO	09081550	107	1959-73, 1975-77
Crystal River near Redstone, CO	09082500	229	1935-63
North Thompson Creek near Carbondale, CO	09082800	27.8 (revised)	1963-79
Thompson Creek near Carbondale, CO	09083000	75.4 (revised)	1950-60, 1964-68
Prince Creek near Carbondale, CO	09083700	3.04	1963-68
Cattle Creek near Carbondale, CO	09084000	31.1	1950-55, 1962-72
Fourmile Creek near Carbondale, CO	09084500	8.10	1941-47
Fourmile Creek near Glenwood Springs, CO	09084600	16.7	1957-65
Canyon Creek above New Castle, CO	09085200	23.8	1969-86
East Canyon Creek near New Castle, CO	09085300	15.1	1969-83
Possum Creek near New Castle, CO	09085400	6.41	1969-82
Canyon Creek near New Castle, CO	09085500	55.0	1954-60
West Elk Creek near New Castle, CO	09086000	9.55	1991-97
Main Elk Creek near New Castle, CO	09086470	91.0	1991-97
East Elk Creek above Boiler Creek near New Castle, CO	09086970	23.4	1991-97
Elk Creek at New Castle, CO	09087500	180	1922-24, 1954-60
Colorado River at New Castle, CO	09087600	6,308	1966-72
Baldy Creek near New Castle, CO	09088000	15.3	1955-61
West Divide Creek below Willow Creek near Raven, CO	09089000	34.9	1938-47, 1963-70

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE ONLY STATIONS (Continued)

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Station name	Station number	Drainage area (sq mi)	Period of record (water years)
East Divide Creek near Silt, CO	09090700	40.8	1959-65
East Rifle Creek near Rifle, CO	09091500	34.3	1936-43, 1956-64
Rifle Creek near Rifle, CO	09092000	137	1939-46, 1952-64
Beaver Creek near Rifle, CO	09092500	7.90	1952-82
Battlement Creek near Parachute, CO	09092600	10.5	1956-65
West Parachute Creek near Parachute, CO	09092800	48.1	1957-62
Northwater Creek near Anvil Points, CO	09092830	12.6	1976-83
East Middle Fork Parachute Creek near Rio Blanco, CO	09092850	22.1	1976-83
East Fork Parachute Creek near Anvil Points, CO	09092960	14.5	1976-83
East Fork Parachute Creek near Rulison, CO	09092970	20.4	1976-83
Ben Good Creek near Rulison, CO	09092980	4.04	1976-83
Parachute Creek near Parachute, CO	09093000	141	1948-54, 1964-70, 1975-86
Parachute Creek at Parachute, CO	09093500	198	1921-27, 1948-54, 1975-82
Colorado River near DeBeque, CO	09093700	7,370	1967-97
Roan Creek above Clear Creek near De Beque, CO	09094200	151	1962-68
Clear Creek near De Beque, CO	09094400	110	1966-68
Roan Creek near De Beque, CO	09095000	321	1921-26, 1962-72, 1975-81
Dry Fork at Upper Station near DeBeque, CO	09095300	97.4	1996-98
Dry Fork near De Beque, CO	09095400	109	1974-82
Government Highline Canal at 16 Road near Loma, CO	09095526	--	1975-85
Lateral No 48 near Mack, CO	09095528	--	1973-81
Government Highline Canal above Camp 7 Spillway near Mack, CO	090955285	--	1983-85
Camp No 7 Spillway near Mack, CO	09095529	--	1975-82
Government Highline Canal near Mack, CO	09095530	--	1973-82
Plateau Creek near Heiberger, CO	09095800	18.6	1958-64
Plateau Creek at Upper Station near Collbran, CO	09096000	24.1	1937-43, 1951-58
Plateau Creek near Collbran, CO	09096500	80.4	1921-80
Buzzard Creek below Owens Creek near Heiberger, CO	09096800	49.7	1955-70
Buzzard Creek near Collbran, CO	09097500	143	1921-80
Brush Creek near Collbran, CO	09097600	9.57	1955-67
Atkinson Creek near Collbran, CO	09098500	0.85	1952-55
East Fork Big Creek near Collbran, CO	09099000	4.92	1940-41, 1950-55
Big Creek at Upper Station near Collbran, CO	09099500	20.2	1945-56
Big Creek near Collbran, CO	09100000	27.1	1937-44
Cottonwood Creek at Upper Station near Molina, CO	09100500	14.0	1945-57
Cottonwood Creek near Molina, CO	09101000	17.8	1937-43
Bull Creek at Upper Station near Molina, CO	09101500	9.85	1945-53
Coon Creek near Mesa, CO	09104000	9.35	1937-43
Mesa Creek near Mesa, CO	09104500	6.79	1937-60
Colorado River near Palisade, CO	09106000	8,738	1901-33
Kiefer Extension to Grand Valley Canal near Fruita, CO	09106104	--	1975-85
Kiefer Extension to Grand Valley Canal near Loma, CO	09106108	--	1975-85
Lewis Wash near Grand Junction, CO	09106200	4.72	1973-79
Texas Creek at Taylor Park, CO	09107500	40.4	1929-34, 1988-92
Willow Creek at Taylor Park, CO	09108000	--	1913-14, 1929-34
East River near Crested Butte, CO	09110500	90.3	1939-51
Coal Creek near Crested Butte, CO	09111000	8.65	1941-46
Slate River near Crested Butte, CO	09111500	70.1	1940-51
Cement Creek near Crested Butte, CO	09112000	26.1	1910-13, 1940-51
Castle Creek near Baldwin, CO	09113000	20.3	1944-50
Castle Creek above mouth near Baldwin, CO	09113100	22.4	1993-98
Ohio Creek at Baldwin, CO	09113300	47.2	1958-70
Ohio Creek near Baldwin, CO	09113500	121	1940-50, 1958-71, 1979-81
Ohio Creek near Gunnison, CO	09114000	167	1944-50

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE ONLY STATIONS (Continued)

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Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Tomichi Creek at Sargents, CO	09115500	149	1916-22, 1937-72
Tomichi Creek near Doyleville, CO	09116000	209	1944-50
Tomichi Creek at Parlin, CO	09117000	427	1944-51, 1963-70
Quartz Creek near Ohio City, CO	09118000	106	1937-50, 1959-70
Cochetopa Creek near Parlin, CO	09118500	361	1940-48
Gunnison River at Iola, CO	09120500	2,352	1899, 1903, 1937-51
Cebolla Creek near Lake City, CO	09121500	25.2	1946-54
Cebolla Creek near Powderhorn, CO	09121800	248	1960-63
Cebolla Creek at Powderhorn, CO	09122000	340	1937-55
Soap Creek near Sapinero, CO	09122500	57.4	1955-66
Soap Creek at Sapinero, CO	09123000	86.0	1910-14, 1945-52
Lake Fork below Mill Gulch near Lake City, CO	09123400	57.5	1981-86
Lake Fork at Lake City, CO	09123500	115	1917-24, 1928-30, 1931-37
Henson Creek at Lake City, CO	09124000	83.1	1917-19, 1928-30, 1931-37
Gunnison River below Blue Mesa Dam, CO	09124700	3,453	1963-68
Curecanti Creek near Sapinero, CO	09125000	35.0	1945-72
Cimarron River at Cimarron, CO	09126500	209	1902-05, 1962-67
Cimarron River below Squaw Creek at Cimarron, CO	09127000	229	1942-52
Crystal Creek near Maher, CO	09127500	42.2	1916-19, 1945-54, 1960-69
Gunnison River above Gunnison Tunnel, CO	09127998	3,965	1905-65
Gunnison Tunnel near Montrose, CO	09127999	3,965	1910-65
Smith Fork near Crawford, CO	09128500	42.8	1935-94
Smith Fork at Crawford, CO	09129000	63.1	1954-60
Iron Creek near Crawford, CO	09129500	71.5	1947-52
Smith Fork near Lazear, CO	09129600	166	1976-87
Clear Fork near Ragged Mountain, CO	09129800	38.5	1965-73
East Muddy Creek near Bardine, CO	09130500	133	1934-53
West Muddy Creek near Ragged Mountain, CO	09130600	7.42	1955-65
West Muddy Creek near Bowie, CO	09130800	27.7	1968-74
Cow Creek near Paonia, CO	09131100	12.0	1968-82
West Muddy Creek near Somerset, CO	09131200	49.9	1961-73
Ruby Anthracite Creek near Floresta, CO	09132000	20.7	1938-43, 1954-58
Anthracite Creek near Somerset, CO	09132050	94.6	1977-81
Main Hubbard Creek near Paonia, CO	09132700	1.33	1960-68
Middle Hubbard Creek near Paonia, CO	09132800	1.36	1960-68
West Hubbard Creek near Paonia, CO	09132900	2.34	1960-73
Hubbard Creek near Bowie, CO	09132920	20.7	1968-74
North Fork Gunnison River near Paonia, CO	09133000	653	1921-32
Minnesota Creek at Paonia, CO	09134050	53.5	1976-79
Cottonwood Creek near Hotchkiss, CO	09134200	41.0	1976-79
Leroux Creek near Cedaredge, CO	09134500	34.5	1936-56, 1960-69
Cow Creek near Cedaredge, CO	09134700	7.24	1960-69
Leroux Creek near Lazear, CO	09135000	51.8	1917-26
Leroux Creek at Hotchkiss, CO	09135900	66.7	1976-96
Gunnison River near Lazear, CO	09136200	5,241	1962-85
Currant Creek near Cedaredge, CO	09136500	42.2	1948-54
Currant Creek near Read, CO	09137050	56.9	1976-87
Dirty George Creek near Grand Mesa, CO	09137800	10.6	1957-69
Ward Creek near Grand Mesa, CO	09139200	12.2	1957-69
Ward Creek near Cedaredge, CO	09139500	20.4	1939-46
Kiser Creek near Grand Mesa, CO	09140200	5.35	1957-69
Kiser Creek near Cedaredge, CO	09140500	10.8	1939-46
Cottonwood Creek near Grand Mesa, CO	09140700	2.15	1957-68
Cottonwood Creek near Cedaredge, CO	09141000	4.39	1939-46

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE ONLY STATIONS (Continued)

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Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Youngs Creek near Grand Mesa, CO	09141200	10.3	1957-69
Youngs Creek near Cedaredge, CO	09141500	11.3	1939-46
Ward Creek below Kiser Creek near Cedaredge, CO	09142000	52.2	1944-52
Surface Creek at Eckert, CO	09144000	43.6	1939-51
Tongue Creek at Cory, CO	09144200	197	1957-68, 1976-87
Red Mountain Creek near Ironton, CO	09144500	18.1	1947-55
Uncompahgre River At Ouray, CO	09145000	42.0	1908, 1910-24
Canyon Creek at Ouray, CO	09145500	25.8	1910-15
Uncompahgre River below Ouray, CO	09146000	75.2	1913-29
West Fork Dallas Creek near Ridgway, CO	09146400	14.1	1955-70
East Fork Dallas Creek near Ridgway, CO	09146500	16.8	1947-53 1960-70
Beaver Creek near Ridgway, CO	09146550	12.2	1960-68
Pleasant Valley Creek near Noel, CO	09146600	8.17	1955-67
Cow Creek near Ridgway, CO	09147100	45.4	1955-73
Spring Creek near Beaver Hill, CO	09149400	41.6	1977-81
Spring Creek near Montrose, CO	09149420	76.6	1977-81
Dry Creek at Begonia Road near Delta, CO	09149480	175	1996-98
Potter Creek near Columbine Pass, CO	09149900	7.10	1980-81
Potter Creek near Olathe, CO	09149910	26.0	1980-81
Roubideau Creek at Mouth near Delta, CO	09150500	242	1938-54, 1976-83
Escalante Creek near Delta, CO	09151500	209	1922-23, 1970-89
Kannah Creek near Whitewater, CO	09152000	61.9	1917-82
Orchard Mesa Drain at Grand Junction, CO	09152600	3.70	1973-83
Leach Creek at Durham, CO	09152650	24.8	1973-83
Adobe Creek near Fruita, CO	09152900	15.4	1973-83
Colorado River near Fruita, CO	09153000	17,100	1907-23
Big Salt Wash at Fruita, CO	09153270	142	1973-77
Reed Wash near Mack, CO	09153290	15.7	1975-99
Reed Wash near Loma, CO	09153300	29.3	1973-83
West Salt Creek near Carbonera, CO	09153330	95.6	1979-82
West Salt Creek near Mack, CO	09153400	168	1973-83
Badger Wash near Mack, CO	09163050	6.51	1973-82
East Salt Creek near Mack, CO	09163310	197	1973-82
Mack Wash near Mack, CO	09163340	15.9	1973-82
Salt Creek near Mack, CO	09163490	436	1973-83
Hay Press Creek above Fruita Reservoir 3 near Glade Park, CO	09163570	0.77	1983-88
West Fork Dolores River near Stoner, CO	09166000	162	1941-44
Lost Canyon Creek at Dolores, CO	09167000	73.5	1922-27, 1941-48
Plateau Creek near Mouth near Dolores, CO	09167450	83.0	1982-83
Dolores River near McPhee, CO	09167500	817	1938-52
Disappointment Creek near Dove Creek, CO	09168100	147	1957-86
Big Gypsum Creek near Slick Rock, CO	09168800	43.9	1979-81
West Paradox Creek near Paradox, CO	09170500	23.6	1944-52
West Paradox Creek above Bedrock, CO	09170800	53.3	1971-73
West Paradox Creek near Bedrock, CO	09171000	55.3	1944-52
San Miguel River near Telluride, CO	09171200	42.8	1959-65
San Miguel River at Fall Creek, CO	09171500	167	1895-99, 1910
Fall Creek near Fall Creek, CO	09172000	33.4	1941-59
Leopard Creek at Noel, CO	09172100	9.03	1955-63
Saltado Creek near Norwood, CO	09172600	--	1976-80
Gurley Ditch near Norwood, CO	09172700	--	1976-80
West Beaver Creek near Norwood, CO	09172800	--	1976-80
Beaver Creek near Norwood, CO	09173000	40.6	1941-61, 1962-67, 1975-81
Horsefly Creek near Sams, CO	09173500	28.8	1942-51
San Miguel River near Nucla, CO	09174000	649	1953-62
Cottonwood Creek near Nucla, CO	09174500	38.8	1942-51
West Naturita Creek at Upper Station near Norwood, CO	09174700	7.31	1976-80
West Naturita Creek near Norwood, CO	09175000	53.0	1940-52, 1975-80
Lilylands Canal near Norwood, CO	09175200	--	1976-80
Maverick Draw near Norwood, CO	09175400	41.3	1976-80

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San Miguel River at Naturita, CO	09175500	1,069	1917-29, 1940-81
Tabeguache Creek near Nucla, CO	09176500	16.9	1946-53
Taylor Creek near Gateway, CO	09177500	15.4	1944-67
Deep Creek near Paradox, CO	09178000	4.31	1944-53
Geyser Creek near Paradox, CO	09178500	--	1944-51
Roc Creek near Uranium CO	09179000	75.8	1944-52
Salt Creek near Gateway, CO	09179200	31.2	1979-85
Dolores River at Gateway, CO	09179500	4,347	1936-54
Vermillion Creek at Ink Springs Ranch, CO	09235450	816	1977-81
Vermillion Creek below Douglas Draw, near Lodore, CO	09235490	918	1995
Bear River near Toponas, CO	09236000	22.1 (revised)	1952-65, 1966-86
Bear River near Yampa, CO	09236500	41.6	1939-44
Service Creek near Oak Creek, CO	09237800	38.2	1965-73
Oak Creek near Oak Creek, CO	09238000	14.0	1952-57
North Fork Walton Creek near Rabbit Ears Pass, CO	09238300	0.71	1972-75
Fishhook Creek near Rabbit Ears Pass, CO	09238350	6.45	1972-75
Walton Creek near Steamboat Springs, CO	09238500	42.4	1920-22, 1965-73, 1978-87
Fish Creek Tributary above Long Lake near Buffalo Pass, CO	09238700	0.43	1984-86
Long Lake Inlet near Buffalo Pass, CO	09238705	0.71	1987-95
Fish Creek Tributary below Long Lake, near Buffalo Pass, CO	09238710	1.03	1985-95
Middle Fork Fish Creek near Buffalo Pass, CO	09238750	1.37	1985-95
Granite Creek near Buffalo Pass, CO	09238770	2.82	1985-95
Middle Fork Fish Creek tributary, below Fish Creek Reservoir, CO	09238800	4.78	1984-94
Spring Creek near Steamboat Springs, CO	09239400	6.96	1965-72
Elk River at Hinman Park, CO	09240500	61.0	1911-18
South Fork Elk River near Clark, CO	09240800	33.7	1966-73
Fish Creek near Milner, CO	09244100	34.5	1955-73
Grassy Creek near Mount Harris, CO	09244300	25.8	1958-66
Yampa River near Hayden, CO	09244400	1,390 (revised)	1965-72
Gibralter Canal near Hayden, CO	09244405	--	1965-72
Yampa River below Diversion near Hayden, CO	09244410	1,390 (revised)	1965-86
Sage Creek above Sage Creek Reservoir near Hayden, CO	09244415	4.17	1980-83
Watering Trough Gulch near Hayden, CO	09244460	2.65	1977-81
Hubberson Gulch near Hayden, CO	09244464	8.08	1977-81
Stokes Gulch near Hayden, CO	09244470	13.6	1976-81
Elkhead Creek near Clark, CO	09244500	45.4	1942-44, 1958-73
Elkhead Creek near Elkhead, CO	09245000	64.2	1953-96
North Fork Elkhead Creek near Elkhead, CO	09245500	21.0	1910, 1920, 1958-73
Elkhead Creek near Craig, CO	09246500	249	1906, 1909-18
Fortification Creek near Craig, CO	09246900	34.3	1955-60
Fortification Creek near Fortification, CO	09246920	40.0	1984-90
Fortification Creek at Craig, CO	09247000	258	1903-06, 1909-18, 1943-47
Yampa River at Craig, CO	09247500	1,730	1901-06,
East Fork of Williams Fork near Willow Creek, CO	09248500	96.0	1943-47
East Fork of Williams Fork above Willow Creek, CO	09248600	108	1956-72
East Fork of Williams Fork near Pagoda, CO	09249000	150	1953-71
South Fork of Williams Fork near Pagoda, CO	09249200	46.7	1965-79
Waddle Creek near Pagoda, CO	09249450	5.24	1985-86
Deep Rock Gulch near Hamilton, CO	09249455	3.53	1985-86
Williams Fork at Hamilton, CO	09249500	341	1904-06, 1909-27
Morapos Creek near Hamilton, CO	09249700	13.7	1965-67
Milk Creek near Thornburgh, CO	09250000	65.0	1952-86
Good Spring Creek at Axial, CO	09250400	40.0	1975-78
Wilson Creek above Taylor Creek near Axial, CO	09250507	20.0	1980-92
Taylor Creek at mouth near Axial, CO	09250510	7.22	1975-92
Jubb Creek near Axial, CO	09250610	7.53	1975-81
Morgan Gulch near Axial, CO	09250700	25.6	1980-81
Middle Fork Little Snake River near Battle Creek, CO	09251500	120	1912-22
South Fork Little Snake River near Battle Creek, CO	09252500	46.0	1912-20

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Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Little Snake River near Slater, CO	09253000	285	1942-47, 1950-99
Battle Creek near Slater, CO	09253500	285	1942-51
Slater Fork at Baxter Ranch near Slater, CO	09254500	80.0	1911-20, 1922
Little Snake River near Dixon, WY	09257000	988	1910-23, 1938-97
Willow Creek near Dixon, WY	09258000	24.0	1953-93
Little Snake River above Lily, CO	09259950	--	1950-69
Sand Wash near Sunbeam, CO	09259990	239	1987-91
North Fork White River below Trappers Lake, CO	09302400	19.5	1956-65
North Fork White River above Ripple Creek near Trappers Lake, CO	09302420	62.5	1965-73
Lost Creek near Buford, CO	09302450	21.5	1964-89
Marvine Creek near Buford, CO	09302500	59.7	1903-06, 1973-84
North Fork White River near Buford, CO	09302800	220	1903-06, 1956-72
South Fork White River at Budge's Resort, CO	09303300	52.3	1975-95
Wagonwheel Creek at Budge's Resort, CO	09303320	7.36	1975-89
Patterson Creek near Budge's Resort, CO	09303340	11.2	1976-77
South Fork White River near Budge's Resort, CO	09303400	128	1976-95
South Fork White River near Buford, CO	09303500	157	1903-06, 1910-15, 1942-47, 1967-92
South Fork White River at Buford, CO	09304000	177	1919-20, 1952-97
Big Beaver Creek near Buford, CO	09304100	34.1	1955-64
Miller Creek near Meeker, CO	09304150	57.6	1970-79
Coal Creek near Meeker, CO	09304300	25.1	1957-68
White River at Meeker, CO	09304600	808	1978-85
Piceance Creek at Rio Blanco, CO	09305500	8.97	1952-57
Piceance Creek below Rio Blanco, CO	09306007	177	1974-98
Middle Fork Stewart Gulch near Rio Blanco, CO	09306015	24.0	1974-76, 1977-82
Stewart Gulch above West Fork near Rio Blanco, CO	09306022	44.0	1976-85
West Fork Stewart Gulch near Rio Blanco, CO	09306025	14.2	1974-76, 1977-82
West Fork Stewart Gulch at Mouth near Rio Blanco, CO	09306028	15.7	1974-82
Sorghum Gulch near Rio Blanco, CO	09306033	1.22	1974-76, 1977-82
Sorghum Gulch at Mouth near Rio Blanco, CO	09306036	3.62	1974-86
Cottonwood Gulch near Rio Blanco, CO	09306039	1.20	1974-85
Piceance Creek Tributary near Rio Blanco, CO	09306042	1.06	1974-84, 1985-92
Piceance Creek below Gardenhire Gulch near Rio Blanco, CO	09306045	255	1980-82, 1985
Scandard Gulch near Rio Blanco, CO	09306050	6.61	1974-76, 1978-82
Scandard Gulch at Mouth near Rio Blanco, CO	09306052	7.97	1974-85
Willow Creek near Rio Blanco, CO	09306058	48.4	1974-85
Piceance Creek above Hunter Creek near Rio Blanco, CO	09306061	309	1974-87
Black Sulphur Creek near Rio Blanco, CO	09306175	103	1975-83
Horse Draw near Rangely, CO	09306202	1.47	1977-81
Horse Draw at Mouth near Rangely, CO	09306203	2.87	1977-81
White River above Crooked Wash near White River City, CO	09306224	1,821	1982-89
Stake Springs Draw near Rangely, CO	09306230	26.1	1974-77
Corral Gulch below Water Gulch near Rangely, CO	09306235	8.61	1974-89
Dry Fork near Rangely, CO	09306237	2.74	1974-82
Box Elder Gulch near Rangely, CO	09306240	9.21	1974-85
Box Elder Gulch Tributary near Rangely, CO	09306241	2.39	1975-82
Corral Gulch at 84 Ranch, CO	09306244	37.8	1975-77
Yellow Creek Tributary near 84 Ranch, CO	09306246	5.53	1975-77
Duck Creek at Upper Station near 84 Ranch, CO	09306248	39.1	1975-77
Duck Creek near 84 Ranch, CO	09306250	50.0	1975-77
White River above Rangely, CO	09306300	2,773	1972-82
Douglas Creek at Rangely, CO	09306380	425	1977-78, 1995
East Fork San Juan River near Pagosa Springs, CO	09340000	86.9	1935-80
West Fork San Juan River above Borns Lake near Pagosa Springs, CO	09340500	41.2	1937-53

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE ONLY STATIONS (Continued)

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Colorado have been discontinued or converted to partial-record stations. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station. [--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
West Fork San Juan River at West Fork Campground near Pagosa Springs, CO	09340800	50.5	1984-87, 1997-99
Wolf Creek near Pagosa Springs, CO	09341200	14.0	1968-75
Wolf Creek at Wolf Creek Campground near Pagosa Springs, CO	09341300	18.0	1984-87, 1997-99
Windy Pass Creek near Pagosa Springs, CO	09341350	1.41	1984-87
West Fork San Juan River near Pagosa Springs, CO	09341500	85.4	1935-60, 1985-87, 1997-98
Turkey Creek near Pagosa Springs, CO	09342000	23.0	1937-49
Rio Blanco near Pagosa Springs, CO	09343000	58.0	1935-71
Rio Blanco below Blanco Diversion Dam near Pagosa Springs, CO	09343300	69.1	1971-98
Rito Blanco near Pagosa Springs, CO	09343500	23.3	1935-52
Navajo River at Banded Peak Ranch near Chromo, CO	09344000	69.8	1937-95
Navajo River above Chromo, CO	09344300	96.4	1956-70
Navajo River below OSO Diversion Dam near Chromo, CO	09344400	100.5	1971-98
Little Navajo River at Chromo, CO	09345500	21.9	1935-52
Navajo River at Edith, CO	09346000	172	1912-96
Middle Fork Piedra River near Pagosa Springs, CO	09347200	32.2	1969-75
Middle Fork Piedra River near Dyke, CO	09347205	34.1	1978-84
Piedra River at Bridge Ranger Station near Pagosa Springs, CO	09347500	82.3	1936-41, 1946-54
Williams Creek near Bridge Ranger Station near Pagosa Springs, CO	09348500	43.7	1936-41, 1946-49
Weminuche Creek near Bridge Ranger Station near Pagosa Springs, CO	09349000	53.4	1936-41, 1946-49
Piedra River near Piedra, CO	09349500	371	1911-12, 1938-73
Los Pinos River near Bayfield, CO	09353500	270	1927-86
Animas River at Howardsville, CO	09357500	55.9	1935-82
Cement Creek near Silverton, CO	09358500	13.5	1935-37, 1946-49
Mineral Creek above Silverton, CO	09358900	11.0	1968-75
Mineral Creek near Silverton, CO	09359000	43.9	1935-49
Lime Creek near Silverton, CO	09359100	33.9	1956-61
Animas River above Tacoma, CO	09359500	348	1945-56
Hermosa Creek near Hermosa, CO	09361000	172	1911, 1912-14, 1919-28, 1939-80
Falls Creek near Durango, CO	09361200	7.18	1959-65
Junction Creek near Durango, CO	09361400	26.3	1959-65
Lightner Creek near Durango, CO	09362000	66.0	1927-49
Rainbow Springs Trout Ranch near Bordad, CO	09362600	--	1995-97
Florida River near Hermosa, CO	09362900	68.8	1955-63
Florida River near Durango, CO	09363000	97.4	1899, 1901-03, 1910-12, 1917-24, 1926-60
Florida River below Florida Farmers Ditch near Durango, CO	09363050	107	1967-82
Highway Spring near Loma Linda, CO	09363070	--	1995-97
Salt Creek near Oxford, CO	09363100	17.7	1956-63, 1967-83
Florida River at Bondad, CO	09363200	221	1956-63, 1967-83
Cherry Creek near Red Mesa, CO	09366000	66.0	1928-50
West Mancos River near Mancos, CO	09368500	39.4	1910-11, 1938-53
East Mancos River near Mancos, CO	09369000	11.9	1937-51
Middle Mancos River near Mancos, CO	09369500	12.1	1937-51
Mancos River near Mancos, CO	09370000	71.5	1921, 1931-38
Mancos River near Cortez, CO	09370800	302	1976-79

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE ONLY STATIONS (Continued)

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Colorado have been discontinued or converted to partial-record stations. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station. [--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Period of record (water years)
Mancos River below Johnson Canyon near Cortez, CO	09370820	320	1979-82
Navajo Wash near Towaoc, CO	09371002	26.3	1986-94
Hartman Draw at Cortez, CO	09371400	34.0	1978-86
McElmoCreek above Alkali Canyon near Cortez, CO	09371420	147	1972-86
Mud Creek near Cortez, CO	09371495	33.6	1978-81
McElmo Creek near Cortez, CO	09371500	230	1926-29, 1940-45, 1950-54, 1982-93
McElmo Creek below Cortez, CO	09371700	283	1972-83

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

The following stations were discontinued as continuous-record surface-water-quality stations. Daily records of temperature, specific conductance, pH, dissolved oxygen or sediment were collected and published for the period of record shown for each station. [--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record (water years)
Colorado River below Baker Gulch near Grand Lake, Co	09010500	53.4	Temp.	1997-98
Colorado River at Hot Sulphur Springs, CO	09034500	825	Temp., S.C.	1947-94
Williams Fork near Parshall, CO	09037500	184	Temp., S.C.	1986-87
Williams Fork below Williams Fork Reservoir, CO	09038500	230	Temp., S.C.	1985-87
Muddy Creek at Kremmling, CO	09041500	290	Temp., S.C.	1986-87, 1990-95
French Gulch at Breckenridge, CO	09046530	10.9	Temp.	1997-98
West Tenmile Creek at Copper Mountain, CO	09049200	21.0	Sed.	1973-79
Boulder Creek near Dillon, CO	09052500	9.89	Temp., S.C.	1982
Blue River above Green Mountain Reservoir, CO	09053500	511	Temp.	1986
			S.C.	1986-87
Blue River below Green Mountain Reservoir, CO	09057500	599	Temp., S.C.	1995-99
Rock Creek at Crater, CO	09060550	72.6	Temp., S.C.	1986-87
Black Gore Creek near Vail, CO	09066050	19.6	Sed.	1973-79
Gore Creek at Vail, CO	09066250	57.3	Sed.	1973-79
Gore Creek at mouth near Minturn, CO	09066510	102	Temp.	1997-98
			S.C.	1997
Colorado River near Dotsero, CO	09070500	4,394	Temp., S.C.	1980-84
			Temp.	1997-98
			Sed.	1959-61
Colorado River near Glenwood Springs, CO	09071100	4,560	Temp.	1969-70, 1980-85
			S.C.	1980-85
Colorado River at Glenwood Springs, CO	09072500	4,558	Temp.	1954-58
			Sed.	1959-61
Roaring Fork River above Difficult Creek near Aspen, CO	09073300	75.8	Temp., S.C.	2000
Hunter Creek above Midway Creek near Aspen, CO	09073700	6.18	Temp., S.C.	1976-77
Roaring Fork River at Glenwood Springs, CO	09085000	1,451	Temp., S.C.	1980-84
			Sed.	1959-61
Colorado River below Glenwood Springs, CO	09085100	6,013	Temp., S.C.	1980-84
East Middle Fork Parachute Cr near Rio Blanco, CO	09092850	22.1	Temp., S.C.	1976-82
			Sed.	1977-82
East Fork Parachute Creek near Rulison, CO	09092970	20.4	Temp.	1977-78, 1980-83
			S.C.	1977-83
			Sed.	1978, 1980-83
Parachute Creek near Parachute, CO	09093000	141	Temp., S.C.	1975-80
			Sed.	1974-75
Parachute Creek at Parachute, CO	09093500	198	Temp., S.C.	1975-80
			Sed.	1974-82
Colorado River near De Beque, CO	09093700	7,370	Temp., S.C.	1973-82
			Sed.	1974-76
Roan Creek near De Beque, CO	09095000	321	Temp., S.C.	1975-80
			Sed.	1975-81
Dry Fork at Upper Station near DeBeque, CO	09095300	97.4	Temp.	1997-98
Government Highline Canal near Mack, CO	09095530	--	Temp.	1973-80
			S.C.	1974-80
Plateau Creek near Cameo, CO	09105000	592	Temp., S.C.	1971-75
Lewis Wash near Grand Junction, CO	09106200	4.72	Temp., S.C.	1973-77
East River below Cement Creek near Crested Butte, CO	09112200	238	S.C., D.O.,	1995-97
			Temp.	1995-98
Gunnison River below Gunnison Tunnel, CO	09128000	3,965	Temp.	1997-98
Uncompahgre River near Ridgway, CO	09146200	149	Temp.	1997-98
Dry Creek at Begonia Road near Delta, CO	09149480	175	Temp.	1997-98
			S.C.	1997
Uncompahgre River at Delta, CO	09149500	1,115	Sed.	1959
Potter Creek near Columbine Pass, CO	09149900	7.10	Temp., S.C.	1981
Potter Creek near Olathe, CO	09149910	26.0	Temp., S.C.	1981
Orchard Mesa Drain at Grand Junction, CO	09152600	3.70	Temp., S.C.	1973-77
Leach Creek at Durham, CO	09152650	24.8	Temp., S.C.	1973-77
Adobe Creek near Fruita, CO	09152900	15.4	Temp., S.C.	1973-80
Big Salt Wash at Fruita, CO	09153270	142	Temp., S.C.	1973-77

DISCONTINUED SURFACE-WATER-QUALITY STATIONS (Continued)

The following stations were discontinued as continuous-record surface-water-quality stations. Daily records of temperature, specific conductance, pH, dissolved oxygen or sediment were collected and published for the period of record shown for each station. [--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record (water years)
Reed Wash near Mack, CO	09153290	15.7	Temp.	1997-98
			S.C.	1997
Reed Wash near Loma, CO	09153300	29.3	Temp., S.C.	1973-83
West Salt Creek near Carbonera, CO	09153330	95.6	Temp., S.C.	1981-82
West Salt Creek near Mack, CO	09153400	168	Temp., S.C.	1973-84
Badger Wash Observation Res 4-A near Mack, CO	09160000	.02	Temp., S.C.	1981
Badger Wash Observation Res 12 near Mack, CO	09160500	.09	Temp., S.C.	1981-82
Badger Wash Observation Res 2-A near Mack, CO	09161000	.15	Temp., S.C.	1981
Badger Wash near Mack, CO	09163050	6.51	Temp., S.C.	1973-80
East Salt Creek near Mack, CO	09163310	197	Temp., S.C.	1973-82
Mack Wash near Mack, CO	09163340	15.9	Temp.	1973-82
			S.C.	1974-82
Salt Creek near Mack, CO	09163490	436	Temp., S.C.	1973-83
Disappointment Creek near Dove Creek, CO	09168100	147	Temp., S.C.	1984
Big Gypsum Creek near Slick Rock, CO	09168800	43.9	Temp., S.C.	1981
Dolores River below W. Paradox Cr near Bedrock, CO	09171070	2,144	Temp., S.C.	1986-87
Salt Creek near Gateway, CO	09179200	31.2	Temp., S.C.	1981-85
Dolores River at Gateway, CO	09179500	4,347	Temp.	1949-52
Yampa River near Oak Creek, CO	09237500	227	Sed.	1985-88
Middle Creek near Oak Creek, CO	09243700	23.5	Temp., S.C.	1976-81
Foidel Creek near Oak Creek, CO	09243800	8.61	Temp., S.C.	1976-83, 1986-88
Foidel Creek at Mouth near Oak Creek, CO	09243900	17.5	Temp., S.C.	1976-81
			Sed.	1978-81
Sage Creek above Sage Creek Res. near Hayden, CO	09244415	4.17	Temp., S.C.	1981-83
Watering Trough Gulch near Hayden, CO	09244460	2.65	Temp., S.C.	1979-81
Hubberson Gulch near Hayden, CO	09244464	8.08	Temp., S.C.	1979-81
Stokes Gulch near Hayden, CO	09244464	13.6	Temp., S.C., Sed.	1978-81
Elkhead Creek above Long Gulch near Hayden, CO	09246200	171	Temp., S.C.	1995-99
Elkhead Creek below Maynard Gulch near Graig, CO	09246400	212	Temp., S.C.	1995-99
Good Spring Creek at Axial, CO	09250400	40.0	Temp.	1975-78
			S.C.	1974-78
Wilson Creek above Taylor Creek near Axial, CO	09250507	20.0	Temp., S.C., Sed.	1980-81
Taylor Creek at Mouth near Axial, CO	09250507	7.22	Temp., S.C.	1976-81
Wilson Creek near Axial, CO	09250600	27.4	Temp.	1975-80
			S.C.	1974-80
			Sed.	1976-80
Jubb Creek near Axial, CO	09250610	7.53	Temp., S.C.	1976-81
Morgan Gulch near Axial, CO	09250700	25.6	Temp., S.C.	1980-81
Little Snake River above Lily, CO	09259950	3,730	Temp., S.C.	1950-69
			Sed.	1958-64
Little Snake River near Lily, CO	09260000	3,730	Temp., S.C.	1975-85
			Sed.	1958-64
Yampa River at Deerlodge Park, CO	09260050	7,660	Temp., S.C.	1977-82
White River above Coal Creek, near Meeker, CO	09304200	648	Temp., S.C.	1978-84
White River near Meeker, CO	09304500	755	Temp., S.C.	1973-74
White River at Meeker, CO	09304600	808	Temp., S.C.	1978-85
White River below Meeker, CO	09304800	1,024	Temp., S.C.	1978-85
Piceance Creek below Rio Blanco, CO	09306007	177	Temp., S.C., Sed.	1974-85
Middle Fork Stewart Gulch near Rio Blanco, CO	09306015	24.0	Temp., S.C.	1976, 1981
			Sed.	1976
Stewart Gulch above West Fork near Rio Blanco, CO	09306022	44.0	Temp., S.C., Sed.	1974-82
West Fork Stewart Gulch near Rio Blanco, CO	09306025	14.2	Temp.	1974-76, 1980-81
			S.C.	1975-76, 1980-81
			Sed.	1974-76
West Fork Stewart Gulch at Mouth near Rio Blanco, CO	09306028	15.7	Temp.	1980-81
			S.C.	1977, 1980-81
			Sed.	1975-76, 1980-81

DISCONTINUED SURFACE-WATER-QUALITY STATIONS (Continued)

The following stations were discontinued as continuous-record surface-water-quality stations. Daily records of temperature, specific conductance, pH, dissolved oxygen or sediment were collected and published for the period of record shown for each station. [--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record (water years)
Sorghum Gulch near Rio Blanco, CO	09306033	1.22	Temp., S.C.	1975-76, 1980
			Sed.	1975-76
Sorghum Gulch at Mouth near Rio Blanco, CO	09306036	3.62	Temp., S.C.	1976, 1978, 1980
			Sed.	1975-77, 1982
Cottonwood Gulch near Rio Blanco, CO	09306039	1.20	Temp., S.C.	1976-78, 1980
			Sed.	1974-77, 1980
Piceance Creek Tributary near Rio Blanco, CO	09306042	1.06	Temp., S.C.	1974-86
			Sed.	1974-82
Piceance Creek below Gardenhire Gulch near Rio Blanco, CO	09306045	255	Temp., S.C.	1980-81
Scandard Gulch near Rio Blanco, CO	09306050	6.61	Temp., S.C.	1980
			Sed.	1975-76
Scandard Gulch at Mouth near Rio Blanco, CO	09306052	7.97	Temp., S.C.	1976, 1978, 1980
			Sed.	1974-76, 1980
Willow Creek near Rio Blanco, CO	09306058	48.4	Temp., S.C.	1974-82
			pH, D.O.	1976-82
			Sed.	1974-82
Piceance Creek above Hunter Creek near Rio Blanco, CO	09306061	309	Temp., S.C., Sed.	1974-85
			pH, D.O.	1974-84
Black Sulphur Creek near Rio Blanco, CO	09306175	103	Temp., S.C., Sed.	1975-81
Piceance Creek below Ryan Gulch near Rio Blanco, CO	09306200	506	Sed.	1972-83
			Temp., S.C.	1980-82, 1986-98
Horse Draw near Rangely, CO	09306202	1.47	Sed.	1980
Horse Draw at Mouth near Rangely, CO	09306203	2.87	Temp., S.C.	1980
			Sed.	1980-81
Piceance Creek at White River, CO	09306222	652	Temp., S.C., Sed.	1974-83
Stake Springs Draw near Rangely, CO	09306230	26.1	Temp., S.C., Sed.	1977
Corral Gulch below Water Gulch near Rangely, CO	09306235	8.61	Temp., S.C.	1975-85
			Sed.	1974-82
Dry Fork near Rangely, CO	09306237	2.74	Temp., S.C.	1977, 1979, 1982
			Sed.	1975, 1977, 1979, 1981-82
Box Elder Gulch near Rangely, CO	09306240	9.21	Temp., S.C.	1975-85
			Sed.	1975-82
Box Elder Gulch Tributary near Rangely, CO	09306241	2.39	Temp.	1976, 1980-81
			S.C.	1976-77, 1981
			Sed.	1975, 1980, 1982
Corral Gulch near Rangely, CO	09306242	31.6	Temp., S.C.	1975-87
			Sed.	1974-85
Corral Gulch at 84 Ranch, CO	09306244	37.8	Temp., S.C. Sed.	1975-77
Yellow Creek Tributary near 84 Ranch, CO	09306246	5.53	Sed.	1976
Duck Creek at Upper Station near 84 Ranch, CO	09306248	39.1	Sed.	1976
Duck Creek near 84 Ranch, CO	09306250	50.0	Temp., S.C.	1977
Yellow Creek near White River, CO	09306255	262	Temp., S.C. Sed.	1974-82
Windy Pass Creek near Pagosa Springs, CO	09341350	1.41	Sed.	1986
West Fork San Juan River near Pagosa Springs, CO	09341500	87.9	Sed.	1985-87

DISCONTINUED SURFACE-WATER-QUALITY STATIONS (Continued)

The following stations were discontinued as continuous-record surface-water-quality stations. Daily records of temperature, specific conductance, pH, dissolved oxygen or sediment were collected and published for the period of record shown for each station. [--, data unavailable]

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record (water years)
Rio Blanco near Pagosa Springs, CO	09343000	58.0	Sed.	1961-62
Navajo River above Chromo, CO	09344300	96.4	Sed.	1961-62
Vallecito Creek near Bayfield, CO	09352900	72.1	Temp.	1962-82
Mancos River near Cortez, CO	09370800	302	Temp., S.C.	1976-79
Mancos River below Johnson Canyon near Cortez, CO	09370820	320	Temp., S.C.	1979-82
Mancos River near Towaoc, CO	09371000	526	Sed.	1961
Hartman Draw at Cortez, CO	09371400	34.0	Temp., S.C.	1978-81
McElmo Creek near Cortez, CO	09371500	230	Temp., S.C.	1982-93

Type of record: Temp. (temperature), S.C. (specific conductance), pH (pH), D.O. (dissolved oxygen), Sed. (sediment).

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S.G.S. publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, section A of book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

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Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

1-D1. *Water temperature—influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J.F. Ficke, and G. F. Smoot: USGS–TWRI book 1, chap. D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS–TWRI book 1, chap. D2. 1976. 24 pages.

Book 2. Collection of Environmental Data

Section D. Surface Geophysical Methods

2-D1. *Application of surface geophysics to ground-water investigations,* by A.A. R. Zohdy, G.P. Eaton, and D.R. Mabey: USGS–TWRI book 2, chap. D1. 1974. 116 pages.

2-D2. *Application of seismic-refraction techniques to hydrologic studies,* by F.P. Haeni: USGS–TWRI book 2, chap. D2. 1988. 86 pages.

Section E. Subsurface Geophysical Methods

2-E1. *Application of borehole geophysics to water-resources investigations,* by W.S. Keys and L.M. MacCary: USGS–TWRI book 2, chap. E1. 1971. 126 pages.

2-E2. *Borehole geophysics applied to ground-water investigations,* by W.S. Keys: USGS–TWRI book 2, chap. E2. 1990. 150 pages.

Section F. Drilling and Sampling Methods

2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W.E. Teasdale: USGS–TWRI book 2, chap. F1. 1989. 97 pages.

Book 3. Applications of Hydraulics

Section A. Surface-Water Techniques

3-A1. *General field and office procedures for indirect discharge measurements,* by M.A. Benson and Tate Dalrymple: USGS–TWRI book 3, chap. A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method,* by Tate Dalrymple and M.A. Benson: USGS–TWRI book 3, chap. A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods,* by G.L. Bodhaine: USGS–TWRI book 3, chap. A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods,* by H.F. Matthai: USGS-TWRI book 3, chap. A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods,* by Harry Hulsing: USGS–TWRI book 3. chap. A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams,* by R.W. Carter and Jacob Davidian: USGS–TWRI book 3, chap. A6. 1968. 13 pages.

3-A7. *Stage measurement at gaging stations,* by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations,* by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A8. 1969. 65 pages.

3-A9. *Measurement of time of travel in streams by dye tracing,* by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS–TWRI book 3, chap. A9. 1989. 27 pages.

3-Al0. *Discharge ratings at gaging stations,* by E.J. Kennedy: USGS–TWRI book 3, chap. A10. 1984. 59 pages.

3-A11. *Measurement of discharge by the moving-boat method,* by G.F. Smoot and C.E. Novak: USGS–TWRI book 3, chap. A11. 1969. 22 pages.

3-A12. *Fluorometric procedures for dye tracing*, Revised, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS–TWRI book 3, chap. A12. 1986. 34 pages.

3-A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS–TWRI book 3, chap. A13. 1983. 53 pages.

3-A14. *Use of flumes in measuring discharge,* by F.A. Kilpatrick and V.R. Schneider: USGS–TWRI book 3, chap. A14. 1983. 46 pages.

3-A15. *Computation of water-surface profiles in open channels,* by Jacob Davidian: USGS–TWRI book 3, chap. A15. 1984. 48 pages.

3-A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS–TWRI book 3, chap. A16. 1985. 52 pages.

3-A17. *Acoustic velocity meter systems,* by Antonius Laenen: USGS–TWRI book 3, chap. A17. 1985. 38 pages.

3-A18. *Determination of stream reaeration coefficients by use of tracers,* by F.A. Kilpatrick, R.E. Rathbun, Nobuhiro Yotsukura, G.W. Parker, and L.L. DeLong: USGS–TWRI book 3, chap. A18. 1989. 52 pages.

3-A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS–TWRI book 3, chap. A19. 1990. 31 pages.

3-A20. *Simulation of soluable waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS–TWRI book 3, chap. A20. 1993. 38 pages.

3-A21 *Stream-gaging cableways,* by C. Russell Wagner: USGS–TWRI book 3, chap. A21. 1995. 56 pages.

Section B. Ground-Water Techniques

3-B1. *Aquifer-test design, observation, and data analysis,* by R.W. Stallman: USGS–TWRI book 3, chap. B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G.D. Bennett: USGS–TWRI book 3, chap. B2. 1976. 172 pages.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS–TWRI book 3, chap. B3. 1980. 106 pages.

3-B4. *Regression modeling of ground-water flow,* by R.L. Cooley and R.L. Naff: USGS–TWRI book 3, chap. B4. 1990. 232 pages.

3-B4. *Supplement 1. Regression modeling of ground-water flow --Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems,* by R.L. Cooley: USGS–TWRI book 3, chap. B4. 1993. 8 pages.

3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems—An introduction*, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS–TWRI book 3, chap. B5. 1987. 15 pages.

3-B6. *The principle of superposition and its application in ground-water hydraulics,* by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS–TWRI book 3, chap. B6. 1987. 28 pages.

3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow,* by E.J. Wexler: USGS–TWRI book 3, chap. B7. 1992. 190 pages.

Section C. Sedimentation and Erosion Techniques

3-C1. *Fluvial sediment concepts,* by H.P. Guy: USGS–TWRI book 3, chap. C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment*, by H.P. Guy and V.W. Norman: USGS–TWRI book 3, chap. C2. 1970. 59 pages.

3-C3. *Computation of fluvial-sediment discharge,* by George Porterfield: USGS–TWRI book 3, chap. C3. 1972. 66 pages.

Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

4-A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS–TWRI book 4, chap. A1. 1968. 39 pages.

4-A2. *Frequency curves,* by H.C. Riggs: USGS–TWRI book 4, chap. A2. 1968. 15 pages.

Section B. Surface Water

4-B1. *Low-flow investigations,* by H.C. Riggs: USGS–TWRI book 4, chap. B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply*, by H.C. Riggs and C.H. Hardison: USGS–TWRI book 4, chap. B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics,* by H.C. Riggs: USGS–TWRI book 4, chap. B3. 1973. 15 pages.

Section D. Interrelated Phases of the Hydrologic Cycle

4-D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS–TWRI book 4, chap. D1. 1970. 17 pages.

Book 5. Laboratory Analysis

Section A. Water Analysis

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments,* by M.J. Fishman and L.C. Friedman, editors: USGS–TWRI book 5, chap. A1. 1989. 545 pages.

5-A2. *Determination of minor elements in water by emission spectroscopy,* by P.R. Barnett and E.C. Mallory, Jr.: USGS–TWRI book 5, chap. A2. 1971. 31 pages.

5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS–TWRI book 5, chap. A3. 1987. 80 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples,* by L.J. Britton and P.E. Greeson, editors: USGS–TWRI book 5, chap. A4. 1989. 363 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments,* by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS–TWRI book 5, chap. A5. 1977. 95 pages.

5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments,* by L.C. Friedman and D.E. Erdmann: USGS–TWRI book 5, chap. A6. 1982. 181 pages.

Section C. Sediment Analysis

5-C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS–TWRI book 5, chap. C1. 1969. 58 pages.

Book 6. Modeling Techniques

Section A. Ground Water

6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS–TWRI book 6, chap. A1. 1988. 586 pages.

6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model,* by S.A. Leake and D.E. Prudic: USGS–TWRI book 6, chap. A2. 1991. 68 pages.

6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual,* by L.J. Torak: USGS–TWRI book 6, chap. A3. 1993. 136 pages.

6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions,* by R.L. Cooley: USGS–TWRI book 6, chap. A4. 1992. 108 pages.

6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 3: Design philosophy and programming details,* by L.J. Torak: USGS–TWRI book 6, chap. A5, 1993. 243 pages.

6-A6. A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction, by Eric D. Swain and Eliezer J. Wexler. 1996. 125 pages.

Book 7. Automated Data Processing and Computations

Section C. Computer Programs

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments,* by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS–TWRI book 7, chap. C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS–TWRI book 7, chap. C2. 1978. 90 pages.

7-C3. *A model for simulation of flow in singular and interconnected channels,* by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS–TWRI book 7, chap. C3. 1981. 110 pages.

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

8-A1. *Methods of measuring water levels in deep wells,* by M.S. Garber and F.C. Koopman: USGS–TWRI book 8, chap. A1. 1968. 23 pages.

8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS–TWRI book 8, chap. A2. 1983. 57 pages.

Section B. Instruments for Measurement of Discharge

8-B2. *Calibration and maintenance of vertical-axis type current meters,* by G.F. Smoot and C.E. Novak: USGS–TWRI book 8, chap. B2. 1968. 15 pages.

Book 9. Handbooks for Water-Resources Investigations

Section A. National Field Manual for the Collection of Water-Quality Data

9-A1. *National Field Manual for the Collection of Water-Quality Data: Preparations for Water Sampling*, by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A1. 1998. 47 p.

9-A2. *National Field Manual for the Collection of Water-Quality Data: Selection of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A2. 1998. 94 p.

9-A3. *National Field Manual for the Collection of Water-Quality Data: Cleaning of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A3. 1998. 75 p.

9-A4. *National Field Manual for the Collection of Water-Quality Data: Collection of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A4. 1999. 156 p.

9-A5. *National Field Manual for the Collection of Water-Quality Data: Processing of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A5. 1999, 149 p.

9-A6. *National Field Manual for the Collection of Water-Quality Data: Field Measurements*, edited by F.D. Wilde and D.B. Radtke: USGS–TWRI book 9, chap. A6. 1998. Variously paginated.

9-A7. *National Field Manual for the Collection of Water-Quality Data: Biological Indicators*,edited by D.N. Myers and F.D. Wilde: USGS–TWRI book 9, chap. A7. 1997 and 1999. Variously paginated.

9-A8. *National Field Manual for the Collection of Water-Quality Data: Bottom-material samples*, by D.B. Radtke: USGS–TWRI book 9, chap. A8. 1998. 48 pages.

9-A9. *National Field Manual for the Collection of Water-Quality Data: Safety in Field Activities*, by S.L. Lane and R.G. Fay: USGS–TWRI book 9, chap. A9. 1998. 60 pages.

09010500 COLORADO RIVER BELOW BAKER GULCH, NEAR GRAND LAKE, CO

LOCATION.--Lat 40°19'33", long 105°51'22", in $NE^1/_4NW^1/_4$ sec.12, T.4 N., R.76 W., Grand County, Hydrologic Unit 14010001, on left bank 500 ft downstream from Baker Gulch, 1.0 mi upstream from Bowen Gulch, and 5.5 mi northwest of town of Grand Lake.

DRAINAGE AREA.--53.4 mi^2.

PERIOD OF RECORD.--May 1953 to current year. Water-quality periodic record from December 1994 to September 1998. Daily water temperature record from October 1996 to September 1998.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 8,750 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversion upstream from station by Grand River ditch (see elsewhere in this report). Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	e7.4	e7.3	e8.4	e8.5	e10	e17	152	533	87	23	28
2	21	e7.3	e7.3	e8.4	e8.5	e10	e17	194	448	84	22	29
3	19	e7.3	e7.3	e8.4	e8.5	e10	e18	244	410	78	23	29
4	18	e7.3	e7.3	e8.4	e8.5	e10	e19	273	394	71	23	27
5	18	e7.3	e7.3	e8.4	e8.5	e10	e20	320	345	67	23	24
6	19	e7.3	e7.3	e8.4	e8.5	e10	e20	356	323	63	23	23
7	23	e7.3	e7.3	e8.4	e8.5	e10	e20	338	302	60	20	21
8	19	e7.3	e7.3	e8.4	e8.5	e10	e20	316	293	62	19	21
9	18	e7.3	e7.3	e8.4	e8.5	e10	e20	238	277	65	18	21
10	17	e7.3	e7.3	e8.4	e9.2	e10	e22	246	249	59	17	18
11	16	e7.3	e7.3	e8.4	e9.2	e10	e25	314	220	55	20	17
12	16	e7.3	e7.3	e8.5	e9.2	e10	e25	268	199	52	18	16
13	15	e7.3	e7.3	e8.5	e9.2	e10	e25	201	189	55	18	16
14	15	e7.3	e7.3	e8.5	e9.2	e10	e25	176	167	53	18	15
15	14	e7.3	e7.3	e8.5	e9.2	e10	e27	171	161	53	18	15
16	14	e7.3	e7.3	e8.5	e9.2	e10	e29	197	152	52	22	14
17	12	e7.3	e7.3	e8.5	e9.2	e10	e31	250	154	51	29	14
18	e12	e7.3	e7.3	e8.5	e9.2	e10	e35	210	134	50	29	14
19	e11	e7.3	e7.3	e8.5	e9.2	e10	e36	197	155	43	22	13
20	e10	e7.3	e7.3	e8.5	e9.2	e10	44	194	192	39	22	16
21	e10	e7.3	e7.3	e8.5	e10	e10	45	199	138	36	23	23
22	e9.8	e7.3	e7.3	e8.5	e10	e10	53	244	124	34	21	65
23	e9.6	e7.3	e7.3	e8.5	e10	e10	52	363	118	32	29	46
24	e9.0	e7.0	e7.3	e8.5	e10	e12	43	509	112	31	21	38
25	e8.6	e7.3	e7.3	e8.5	e10	e13	46	522	112	30	22	33
26	e8.4	e7.3	e7.3	e8.5	e10	e13	49	497	113	29	62	33
27	e8.0	e7.3	e7.3	e8.5	e10	e14	78	420	110	29	44	33
28	e7.8	e7.3	e7.4	e8.5	e10	e15	121	429	98	28	29	32
29	e7.6	e7.3	e7.8	e8.5	e10	e15	143	539	91	26	30	31
30	e7.6	e7.3	e8.2	e8.5	---	e15	150	629	86	25	46	32
31	e7.4	---	e8.2	e8.5	---	e16	---	580	---	24	30	---
TOTAL	423.8	218.8	228.7	262.4	267.7	343	1275	9786	6399	1523	784	757
MEAN	13.7	7.29	7.38	8.46	9.23	11.1	42.5	316	213	49.1	25.3	25.2
MAX	23	7.4	8.2	8.5	10	16	150	629	533	87	62	65
MIN	7.4	7.0	7.3	8.4	8.5	10	17	152	86	24	17	13
AC-FT	841	434	454	520	531	680	2530	19410	12690	3020	1560	1500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	24.2	15.4	9.97	7.97	7.19	7.77	27.6	171	318	114	34.5	27.3
MAX	83.7	37.2	20.2	12.8	10.6	12.1	74.5	329	596	425	104	78.1
(WY)	1962	1962	1998	1985	1984	1999	1962	1996	1997	1983	1983	1997
MIN	9.25	7.29	4.56	3.91	3.90	4.57	9.11	65.7	69.8	27.3	11.1	11.8
(WY)	1957	2000	1957	1957	1977	1977	1991	1995	1954	1954	1954	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1953 - 2000	
ANNUAL TOTAL	22481.9		22268.4			
ANNUAL MEAN	61.6		60.8		64.1	
HIGHEST ANNUAL MEAN					109	1983
LOWEST ANNUAL MEAN					26.3	1954
HIGHEST DAILY MEAN	427	Jun 24	629	May 30	916	Jun 30 1957
LOWEST DAILY MEAN	e7.0	Nov 24	e7.0	Nov 24	3.0	Jan 13 1963
ANNUAL SEVEN-DAY MINIMUM	e7.3	Nov 18	e7.3	Nov 18	3.5	Feb 4 1977
INSTANTANEOUS PEAK FLOW			690	May 30	976	Jun 30 1957
INSTANTANEOUS PEAK STAGE			6.85	May 30	a7.19	Jun 30 1957
ANNUAL RUNOFF (AC-FT)	44590		44170		46430	
10 PERCENT EXCEEDS	252		198		194	
50 PERCENT EXCEEDS	19		17		18	
90 PERCENT EXCEEDS	7.3		7.3		6.6	

e Estimated.
a Maximum gage height, 7.32 ft, Jun 10, 1995, but may have been higher during period of estimated record, Jun 13-20, 1995.

09013000 ALVA B. ADAMS TUNNEL AT EAST PORTAL, NEAR ESTES PARK, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°19'40", long 105°34'39", in $SW^1/_4NW^1/_4$ sec.9, T.4 N., R.73 W., Larimer County, Hydrologic Unit 10190006, on right bank at upstream end of Aspen Creek siphon, 700 ft downstream from east portal, and 4.5 mi southwest of Estes Park.

PERIOD OF RECORD.--September 1970 to current year. Water Discharge records published from October 1946 to September 1998 (monthly discharge only for August and September 1947).

REMARKS.--Field data collected prior to 1974 water year are available in district office.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
DEC 06...	0845	203	28	8.3	3.5	9.7	13	3.83	.72	1.3	.2	.4
JAN 10...	0845	410	44	8.2	2.0	11.2	20	6.10	1.19	1.7	.2	.6
MAR 06...	0845	360	46	7.4	2.5	8.5	20	6.03	1.15	1.7	.2	.6
MAY 08...	0845	553	39	8.1	4.5	8.6	17	5.08	.98	1.5	.2	.5
AUG 07...	0850	553	43	7.8	16.5	7.7	18	5.29	1.05	1.9	.2	.5

DATE	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
DEC 06...	16	1.8	E.2	.1	4.2	--	--	--	--	<.010	<.050	<.020
JAN 10...	22	1.9	E.3	<.1	5.5	40	--	--	--	<.010	<.050	<.020
MAR 06...	23	2.3	.3	.1	5.5	39	31	.05	37.9	<.010	<.050	<.020
MAY 08...	19	2.1	.3	<.1	5.4	37	27	.05	55.2	<.010	<.050	<.020
AUG 07...	21	2.1	E.3	.1	4.4	35	--	--	--	<.010	<.050	<.020

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
DEC 06...	.17	<.050	<.050	<.010	5	<2	<16	<8.0	<14.0	<13	<10
JAN 10...	.17	<.050	<.050	<.010	6	<2	<16	<8.0	<14.0	<13	<10
MAR 06...	.14	<.050	<.050	<.010	7	<2	<16	<8.0	<14.0	<13	<10
MAY 08...	.19	<.050	<.050	<.010	6	<2	<16	<8.0	<14.0	<13	<10
AUG 07...	.20	<.050	<.050	<.010	6	<2	<16	<8.0	<14.0	<13	<10

09013000 ALVA B. ADAMS TUNNEL AT EAST PORTAL, NEAR ESTES PARK, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
DEC											
06...	10	<100	<3.9	4	<2	<34	<40	<7	21.7	<10	<20
JAN											
10...	10	<100	<3.9	7	<2	<34	<40	<7	35.3	<10	<20
MAR											
06...	10	<100	<3.9	4	<2	<34	<40	<7	36.1	<10	<20
MAY											
08...	30	<100	<3.9	E2	<2	<34	<40	<7	26.5	<10	<20
AUG											
07...	20	<100	<3.9	8	<2	<34	<40	E4	31.5	<10	<20

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
JAN				
09...	0900	533	49	1.0

09014500 SHADOW MOUNTAIN LAKE NEAR GRAND LAKE, CO

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1989 to current year.

REMARKS.--Samples were collected near-surface and near-bottom, near dam.

Note: The following remark codes may appear in the tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT						
18...	1140	.10	46	8.2	8.0	8.2
18...	1141	5.00	46	8.3	8.0	8.2
18...	1142	10.0	46	8.3	7.9	8.2
18...	1143	15.0	46	8.3	7.9	8.2
18...	1144	20.0	46	8.3	7.9	8.2
MAY						
25...	1105	.10	40	7.5	12.4	8.0
25...	1106	5.00	40	7.5	11.7	8.0
25...	1107	10.0	40	7.5	11.3	7.9
25...	1108	15.0	37	7.5	10.2	7.9
25...	1109	20.0	35	7.4	8.8	7.9
25...	1110	25.0	34	7.4	8.4	8.0
AUG						
15...	1130	.10	48	7.5	14.0	7.0
15...	1131	5.00	47	7.4	11.4	6.4
15...	1132	10.0	47	7.4	10.8	6.1
15...	1133	15.0	47	7.3	10.7	6.1
15...	1134	20.0	47	7.3	10.5	5.9
15...	1135	25.0	47	7.3	10.4	5.7
SEP						
28...	1115	.10	48	7.2	9.6	7.4
28...	1116	5.00	48	7.2	9.2	7.4
28...	1117	10.0	48	7.2	9.1	7.4
28...	1118	15.0	48	7.2	9.0	7.3
28...	1119	20.0	48	7.2	8.8	7.2
28...	1120	25.0	47	7.2	8.6	6.6

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)
OCT												
18...	1150	46	8.2	8.0	91.0	8.2	<1	23	6.98	1.42	1.7	.2
18...	1205	46	8.3	7.9	--	8.2	--	23	6.98	1.40	1.7	.2
MAY												
25...	1115	40	7.5	12.4	84.0	8.0	K1	20	5.82	1.27	1.7	.2
25...	1130	34	7.4	8.4	--	8.0	--	18	5.38	1.19	1.5	.1
AUG												
15...	1145	48	7.5	14.0	116	7.0	<1	22	6.79	1.28	1.9	.2
15...	1200	47	7.3	10.4	--	5.7	--	22	6.77	1.28	1.8	.2
SEP												
28...	1130	48	7.2	9.6	121	7.4	K1	22	6.77	1.23	1.9	.2
28...	1145	47	7.2	8.6	--	6.6	--	22	6.84	1.21	1.9	.2

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
OCT												
18...	.7	25	3.5	.3	.2	7.0	43	37	.06	<.010	<.050	<.020
18...	.7	25	3.5	.3	.2	7.0	41	37	.06	<.010	<.050	<.020
MAY												
25...	.9	20	2.7	.4	.2	6.5	41	32	.06	<.010	<.050	<.020
25...	.8	17	2.6	E.3	.2	6.8	39	--	--	<.010	<.050	<.020
AUG												
15...	.7	24	2.2	.3	.1	5.4	36	33	.05	<.001	<.005	<.002
15...	.6	24	2.2	.4	.1	5.5	37	33	.05	<.001	.005	.002
SEP												
28...	.7	24	2.5	.5	.1	5.6	33	33	.04	<.001	<.005	.003
28...	.8	24	2.5	.5	.1	5.6	34	34	.05	<.001	<.005	.003

09014500 SHADOW MOUNTAIN LAKE NEAR GRAND LAKE, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT												
18...	.26	E.048	<.050	<.010	5.3	.4	3.6	6	<2	<16	<.1	<14.0
18...	.26	.054	<.050	<.010	--	--	3.3	6	<2	<16	<.1	<14.0
MAY												
25...	.23	.016	E.005	<.010	.9	<.1	5.9	7	<2	<16	<.1	<14.0
25...	.23	.021	E.005	<.010	--	--	6.8	6	<2	<16	<.1	<14.0
AUG												
15...	.21	.010	<.006	.001	2.5	<.1	3.4	8	<2	<16	<.1	<.8
15...	.19	.013	E.003	.001	--	--	3.4	8	<2	<16	<.1	<.8
SEP												
28...	.19	.012	E.003	<.001	1.8	<.1	3.2	7	<2	E9	<.1	<.8
28...	.17	.013	E.003	<.001	--	--	3.4	7	<2	<16	<.1	<.8

DATE	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT												
18...	<13	<10	40	<100	E3.0	<2	<34	<40	<1	37.5	<10	<20
18...	<13	<10	40	<100	E2.7	<2	<34	<40	<1	37.2	<10	<20
MAY												
25...	<13	<10	100	<100	<3.9	E2	<34	<40	<1	30.9	<10	<20
25...	<13	<10	100	<100	<3.9	8	<34	<40	<1	28.4	<10	<20
AUG												
15...	<1	--	20	<1	.9	2	<1	<1	<1	41.1	<1	<1
15...	<1	<1	20	<1	.9	10	<1	<1	<1	41.1	<1	<1
SEP												
28...	<1	<1	10	<1	.9	<1	<1	<1	<1	38.4	<1	<1
28...	<1	<1	10	<1	.9	<1	<1	<1	<1	38.5	<1	<1

09018300 GRANBY PUMP CANAL NEAR GRAND LAKE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°12'25", long 105°50'56", in SW$^1/_4$NE$^1/_4$ sec.24, T. 3 N., R.76 W., Grand County, Hydrologic Unit 14010001, at road crossing at south end of Shadow Mountain Lake, 4 mi southwest of Grand Lake, and 13.5 mi northeast of Granby.

PERIOD OF RECORD.--September 1970 to September 1975, March 1978 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
DEC											
09...	0650	360	51	8.1	3.0	6.3	22	6.76	1.21	1.9	.2
FEB											
24...	1140	346	51	7.6	3.4	8.6	22	6.67	1.20	1.8	.2
SEP											
07...	1230	352	50	7.7	9.4	5.7	21	6.57	1.21	1.8	.2
11...	1530	392	50	7.5	8.8	5.6	21	6.52	1.23	1.8	.2

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
DEC											
09...	.7	25	3.0	.3	.1	5.2	37	34	.05	36.0	<.010
FEB											
24...	.6	24	2.3	.3	.1	5.2	45	33	.06	42.0	<.010
SEP											
07...	.7	23	2.5	.4	.1	5.4	41	33	.06	39.0	.001
11...	.6	23	2.4	.3	.1	5.5	36	33	.05	38.1	<.001

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
DEC											
09...	<.050	<.020	.15	<.050	<.050	<.010	8	<2	<8.0	<14.0	<13
FEB											
24...	<.050	<.020	.16	<.050	<.050	<.010	7	<2	<8.0	<14.0	<13
SEP											
07...	.040	.003	.14	.011	.007	.005	8	<2	<.1	<.8	<1
11...	.036	<.002	.18	.053	.009	.010	7	<2	<.1	<.8	<1

DATE	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
DEC											
09...	<10	10	<100	<3.9	E2	<34	<40	<7	38.9	<10	E13
FEB											
24...	<10	E10	<100	E3.2	<2	<34	<40	<7	39.3	<10	<20
SEP											
07...	<1	E10	<1	.9	2	<1	<1	<1	41.9	<1	2
11...	<1	<10	<1	1.1	2	<1	<1	<1	34.9	<1	<1

09018500 LAKE GRANBY NEAR GRANBY, CO

LOCATION.--Lat 40°10'55", long 105°52'14", in $NW^1/_4NE^1/_4$ sec.35, T.3 N., R.76 W., Grand County, Hydrologic Unit 14010001, in Granby pumping plant at north shore of lake, 2.5 mi north of Granby Dam on Colorado River and 7.5 mi northeast of Granby.

DRAINAGE AREA.--312 mi^2.

RESERVOIR ELEVATIONS AND CONTENTS RECORDS

PERIOD OF RECORD.--October 1949 to current year. Prior to October 1955, published as Granby Reservoir near Granby.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is above sea level, (levels by U.S. Bureau of Reclamation); gage readings have been reduced to elevations above sea level. Prior to Apr. 9, 1951, nonrecording gage at dam at present datum.

REMARKS.--Lake is formed by earthfill dam and dikes. Regulation began Sept. 13, 1949, and usable storage began June 14, 1950, while dam was under construction. Usable capacity, 465,600 acre-ft, between elevations 8,186.00 ft, trash rack sill at outlet, and 8,280.00 ft, top of radial spillway gates. Dead storage, 74,190 acre-ft. Figures given represent usable contents. Lake is used to store water for pumping to Shadow Mountain Lake for transmountain diversion through Alva B. Adams tunnel for power and irrigation in South Platte River basin.

COOPERATION.--Records provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 465,900 acre-ft, July 13, 1962, elevation, 8,280.05 ft; minimum since appreciable storage was attained, 13,070 acre-ft, Apr. 16, 1978, elevation, 8,190.93 ft.

EXTREMES (AT 0800) FOR CURRENT YEAR.--Maximum contents, 463,200 acre-ft, June 21, elevation, 8,279.68 ft; minimum, 358,200 acre-ft, Apr. 10, elevation, 8,264.47 ft.

MONTHEND ELEVATION AND CONTENTS AT 0800, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	8,277.53	447,800	-
Oct. 31	8,275.73	435,000	-12,800
Nov. 30	8,275.14	430,800	-4,200
Dec. 31	8,272.45	412,000	-18,800
CAL YR 1999	-	-	-4,200
Jan. 31	8,269.46	391,400	-20,600
Feb. 29	8,267.36	377,200	-14,200
Mar. 31	8,265.31	363,700	-13,500
Apr. 30	8,266.20	369,500	+5,800
May 31	8,276.20	438,300	+68,800
June 30	8,279.44	461,500	+23,200
July 31	8,275.95	436,500	-25,000
Aug. 31	8,271.80	407,500	-29,000
Sept. 30	8,269.09	389,000	-18,500
WTR YR 2000	-	-	-58,800

09018500 LAKE GRANBY NEAR GRANBY, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1973 to June 1975, June 1979 to current year.

REMARKS.--Samples were collected near-surface and near bottom, near spillway.

Note: The following remark codes may appear in the tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT						
18...	0930	.10	42	7.9	10.3	7.3
18...	0931	5.00	42	7.9	10.4	7.1
18...	0932	10.0	42	7.9	10.4	7.2
18...	0933	15.0	42	7.9	10.4	7.2
18...	0934	20.0	42	7.9	10.4	7.2
18...	0935	25.0	42	7.9	10.4	7.2
18...	0936	30.0	42	7.9	10.4	7.2
18...	0937	40.0	42	7.9	10.4	7.2
18...	0938	50.0	42	7.9	10.4	7.2
18...	0939	60.0	43	7.7	9.0	4.4
18...	0940	70.0	43	7.7	8.0	3.6
18...	0941	80.0	44	7.6	7.5	3.5
18...	0942	90.0	44	7.6	7.3	3.4
18...	0943	100	44	7.6	7.2	3.3
18...	0944	110	44	7.6	7.2	3.3
18...	0945	120	44	7.6	7.1	3.3
18...	0946	130	44	7.6	7.1	3.3
18...	0947	140	44	7.6	7.1	3.2
18...	0948	150	44	7.5	7.1	3.2
18...	0949	160	44	7.5	7.1	3.2
MAY						
25...	0916	.10	43	7.7	8.8	8.6
25...	0917	5.00	43	7.7	8.6	8.7
25...	0918	10.0	42	7.7	8.1	8.8
25...	0919	15.0	42	7.7	8.1	8.7
25...	0920	20.0	42	7.7	8.0	8.7
25...	0921	25.0	42	7.7	8.0	8.6
25...	0922	30.0	43	7.7	7.8	8.5
25...	0923	40.0	44	7.7	7.0	8.2
25...	0924	50.0	44	7.6	6.6	8.1
25...	0925	60.0	44	7.6	6.5	8.0
25...	0926	70.0	43	7.6	6.0	7.9
25...	0927	80.0	43	7.6	5.8	7.8
25...	0928	90.0	43	7.5	5.8	7.8
25...	0929	95.0	43	7.5	5.8	7.7
AUG						
15...	0930	.10	47	8.1	19.0	7.1
15...	0931	5.00	47	8.1	18.9	7.1
15...	0932	10.0	47	8.1	18.9	7.1
15...	0933	15.0	47	8.1	18.8	7.1
15...	0934	20.0	47	8.1	18.8	7.1
15...	0935	25.0	47	8.1	18.8	7.1
15...	0936	30.0	47	7.9	16.6	5.7
15...	0937	40.0	46	7.8	12.4	4.7
15...	0938	50.0	45	7.6	10.9	4.6
15...	0939	60.0	45	7.6	8.3	4.8
15...	0940	70.0	45	7.6	7.4	4.7
15...	0941	80.0	45	7.5	7.2	4.8
15...	0942	90.0	45	7.4	7.0	4.7
15...	0943	100	45	7.4	7.0	4.7
15...	0944	110	45	7.3	7.0	4.6
15...	0945	120	45	7.3	7.0	4.6
15...	0946	130	45	7.3	7.0	4.6
15...	0947	140	45	7.2	6.9	4.6
15...	0948	150	45	7.2	6.9	4.6
SEP						
28...	0930	.10	48	7.3	13.7	7.0
28...	0931	5.00	48	7.3	13.7	7.0
28...	0932	10.0	48	7.3	13.7	7.0
28...	0933	15.0	48	7.3	13.6	6.9
28...	0934	20.0	48	7.3	13.6	6.9
28...	0935	25.0	48	7.3	13.6	6.9
28...	0936	30.0	48	7.3	13.5	6.9
28...	0937	40.0	48	7.3	13.5	6.9
28...	0938	50.0	48	7.2	12.5	5.0
28...	0939	60.0	47	7.1	9.2	3.0
28...	0940	70.0	47	7.0	8.1	3.1
28...	0941	80.0	47	7.0	7.8	3.2
28...	0942	90.0	47	7.0	7.7	3.3
28...	0943	100	47	7.0	7.6	3.2
28...	0944	110	47	6.9	7.5	3.2
28...	0945	117	47	6.9	7.4	3.2

09018500 LAKE GRANBY NEAR GRANBY, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
OCT												
18...	0950	42	7.9	10.3	158	7.3	<1	21	6.51	1.13	1.7	.2
18...	1005	44	7.5	7.1	--	3.2	--	22	6.81	1.25	1.8	.2
MAY												
25...	0945	43	7.7	8.8	144	8.6	<1	22	6.80	1.21	1.9	.2
25...	1000	43	7.5	5.8	--	7.7	--	22	6.88	1.22	1.9	.2
AUG												
15...	1000	47	8.1	19.0	193	7.1	<1	21	6.60	1.20	1.8	.2
15...	1015	45	7.2	6.9	--	4.6	--	22	6.70	1.26	1.8	.2
SEP												
28...	0950	48	7.3	13.7	219	7.0	<1	22	6.79	1.17	1.8	.2
28...	1005	47	6.9	7.4	--	3.2	--	22	6.68	1.18	1.8	.2

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT												
18...	.6	23	2.8	.3	.1	4.6	37	32	.05	<.010	<.050	<.020
18...	.7	24	2.6	.3	.1	5.6	45	34	.06	<.010	.059	<.020
MAY												
25...	.6	23	2.3	.4	<.1	5.1	37	32	.05	<.010	<.050	<.020
25...	.8	24	2.3	.4	.1	5.2	38	33	.05	<.010	<.050	<.020
AUG												
15...	.6	24	2.0	.4	.1	4.7	37	32	.05	<.001	<.005	.003
15...	.6	24	2.2	.4	<.1	5.5	34	33	.05	<.001	.034	<.002
SEP												
28...	.6	24	2.4	.5	.1	4.4	35	32	.05	<.001	<.005	.003
28...	.7	23	2.4	.5	.1	5.8	34	34	.05	<.001	.065	.005

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT												
18...	.22	E.046	<.050	<.010	2.0	<.1	3.2	7	<2	<16	<.1	<14.0
18...	.15	E.039	<.050	<.010	--	--	2.9	7	<2	<16	<.1	<14.0
MAY												
25...	.20	.009	E.003	<.010	.9	<.1	4.0	8	<2	E8	<.1	<14.0
25...	.18	.009	<.006	<.010	--	--	3.4	8	<2	<16	<.1	E7.1
AUG												
15...	.21	.009	<.006	.002	1.3	<.1	3.4	8	<2	<16	<.1	E.5
15...	.16	.012	E.004	.005	--	--	3.2	8	<2	<16	<.1	<.8
SEP												
28...	.16	E.005	<.006	<.001	1.1	<.1	3.5	9	<2	E10	<.1	<.8
28...	.14	.015	.011	.008	--	--	3.2	8	<2	E10	<.1	E.4

DATE	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT												
18...	<13	<10	<10	<100	E2.2	<2	<34	<40	<1	37.4	<10	<20
18...	<13	<10	10	<100	E2.0	E1	<34	<40	<1	39.7	<10	<20
MAY												
25...	<13	<10	10	<100	<3.9	<2	<34	<40	<1	39.4	<10	<20
25...	<13	<10	10	<100	<3.9	E2	<34	<40	<1	39.8	<10	<20
AUG												
15...	<1	<1	<10	<1	.8	<1	<1	<1	<1	39.2	<1	<1
15...	<1	<1	<10	<1	.8	<1	<1	<1	<1	40.7	<1	2
SEP												
28...	<1	<1	<10	<1	.9	<1	<1	<1	<1	37.6	<1	2
28...	<1	<1	10	<1	.9	<1	<1	<1	<1	37.9	<1	<1

400844105530800 LAKE GRANBY (WEST) NEAR GRANBY, CO

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1989 to current year.

REMARKS.--Samples were collected near-surface and near-bottom, near dam in Rainbow Bay.

Note: The following remark codes may appear in the tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT						
18...	1030	.10	42	8.0	10.0	7.6
18...	1031	5.00	42	8.0	10.0	7.4
18...	1032	10.0	42	7.9	10.0	7.4
18...	1033	15.0	42	7.9	10.0	7.5
18...	1034	20.0	42	7.9	10.0	7.5
18...	1035	25.0	42	7.9	10.0	7.5
18...	1036	30.0	42	7.9	10.0	7.5
18...	1037	40.0	42	7.9	10.0	7.5
18...	1038	50.0	42	7.9	10.0	7.5
18...	1039	60.0	42	7.9	9.9	7.2
18...	1040	70.0	44	7.7	7.7	3.2
MAY						
25...	1015	.10	48	7.5	7.7	8.4
25...	1016	5.00	47	7.5	7.5	8.4
25...	1017	10.0	47	7.5	7.2	8.3
25...	1018	15.0	47	7.5	7.2	8.3
25...	1019	20.0	47	7.5	7.1	8.2
25...	1020	25.0	47	7.5	7.0	8.2
25...	1021	30.0	46	7.5	6.9	8.1
25...	1022	40.0	45	7.4	6.5	8.0
25...	1023	50.0	44	7.4	6.0	7.6
25...	1024	60.0	44	7.4	5.8	7.6
AUG						
15...	1020	.10	47	8.0	19.3	7.2
15...	1021	5.00	47	8.0	18.9	7.1
15...	1022	10.0	47	8.0	18.8	7.1
15...	1023	15.0	47	7.9	18.7	7.0
15...	1024	20.0	47	7.9	18.7	7.0
15...	1025	25.0	47	7.9	18.5	6.9
15...	1026	30.0	47	7.7	16.0	5.5
15...	1027	40.0	46	7.5	12.7	4.5
15...	1028	50.0	46	7.5	9.2	4.0
15...	1029	60.0	46	7.3	8.2	3.5
15...	1030	64.0	46	7.3	7.9	3.6
SEP						
28...	1025	.10	48	7.3	13.3	6.8
28...	1026	5.00	48	7.3	13.3	6.8
28...	1027	10.0	48	7.3	13.2	6.8
28...	1028	15.0	48	7.3	13.2	6.8
28...	1029	20.0	48	7.3	13.2	6.8
28...	1030	25.0	48	7.3	13.2	6.8
28...	1031	30.0	48	7.3	13.2	6.8
28...	1032	40.0	48	7.3	13.1	6.8
28...	1033	50.0	48	7.3	13.1	6.7
28...	1034	60.0	48	7.1	8.8	2.3
28...	1035	67.0	48	7.0	8.5	2.2

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)
OCT												
18...	1050	42	8.0	10.0	134	7.6	<1	21	6.57	1.15	1.7	.2
18...	1105	44	7.7	7.7	--	3.2	--	21	6.63	1.14	1.7	.2
MAY												
25...	1030	48	7.5	7.7	114	8.4	<1	24	7.28	1.36	2.3	.2
25...	1045	44	7.4	5.8	--	7.6	--	23	7.01	1.25	2.0	.2
AUG												
15...	1045	47	8.0	19.3	142	7.2	K1	22	6.62	1.21	1.8	.2
15...	1100	46	7.3	7.9	--	3.6	--	22	6.76	1.26	1.8	.2
SEP												
28...	1040	48	7.3	13.3	206	6.8	<1	22	6.82	1.18	1.8	.2
28...	1055	48	7.0	8.5	--	2.2	--	22	6.80	1.19	1.8	.2

400844105530800 LAKE GRANBY (WEST) NEAR GRANBY, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT												
18...	.6	23	2.8	.3	.2	4.6	36	32	.05	<.010	<.050	<.020
18...	.6	23	2.8	.3	.1	4.7	36	32	.05	<.010	<.050	<.020
MAY												
25...	.6	25	2.7	.4	.1	7.0	43	37	.06	<.010	<.050	<.020
25...	.7	24	2.5	.4	<.1	5.6	39	34	.05	<.010	<.050	<.020
AUG												
15...	.6	24	2.1	.4	<.1	4.7	35	32	.05	<.001	<.005	<.002
15...	.6	24	2.2	.4	<.1	5.6	37	33	.05	<.001	.020	.007
SEP												
28...	.7	24	2.4	.5	.1	4.4	35	32	.05	<.001	<.005	.002
28...	.6	23	2.4	.5	.1	5.9	33	34	.04	.001	.033	.018

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT												
18...	.18	E.045	<.050	<.010	1.8	<.1	3.4	7	<2	<16	<.1	<14.0
18...	.17	E.039	<.050	<.010	--	--	3.3	7	<2	<16	<.1	<14.0
MAY												
25...	.19	.017	E.003	<.010	1.8	<.1	4.3	9	<2	<16	<.1	E7.8
25...	.32	.013	E.004	<.010	--	--	3.8	8	<2	<16	<.1	<14.0
AUG												
15...	.18	E.007	<.006	.001	.5	<.1	3.6	8	<2	<16	<.1	E.4
15...	.18	.014	E.005	.003	--	--	3.5	8	<2	<16	<.1	<.8
SEP												
28...	.18	E.006	E.003	<.001	1.2	<.1	3.5	8	<2	E8	<.1	E.4
28...	.16	.016	.008	.004	--	--	3.4	8	<2	E8	<.1	<.8

DATE	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT												
18...	<13	<10	E10	<100	E2.2	<2	<34	<40	<1	37.6	<10	<20
18...	<13	<10	<10	<100	E2.3	<2	<34	<40	<1	37.8	<10	<20
MAY												
25...	<13	<10	20	<100	E2.1	<2	<34	<40	<1	50.1	<10	<20
25...	<13	<10	20	<100	<3.9	<2	<34	<40	<1	41.7	<10	<20
AUG												
15...	<1	<1	<10	<1	.9	<1	<1	<1	<1	38.9	<1	1
15...	<1	<1	E10	<1	.9	<1	<1	<1	<1	40.7	<1	<1
SEP												
28...	<1	<1	<10	<1	.9	<1	<1	<1	<1	37.1	<1	2
28...	<1	<1	10	<1	.9	4	<1	<1	<1	38.0	<1	<1

09019500 COLORADO RIVER NEAR GRANBY, CO

LOCATION.--Lat 40°07'15", long 105°54'00", in $SW^{1}/_{4}NW^{1}/_{4}$ sec.22, T.2 N., R.76 W., Grand County, Hydrologic Unit 14010001, on right bank 0.3 mi upstream from bridge on U.S. Highway 34, 1.3 mi upstream from Willow Creek, and 3.2 mi northeast of Granby.

DRAINAGE AREA.--323 mi^2.

PERIOD OF RECORD.--October 1907 to September 1911 (published as Grand River near Granby), October 1933 to September 1953. May 1961 to current year (irrigation season only). Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,960 ft above sea level, from topographic map. June 10, 1908 to Sept. 30, 1911, and May 12 to June 10, 1934, nonrecording gage, at site 300 ft upstream at different datums. June 11, 1934 to Sept. 30, 1953, water-stage recorder at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Granby (station 09018500) since Sept. 13, 1949. Several diversions for irrigation of hay meadows upstream from station. Transmountain diversions upstream from station by Eureka and Grand River ditches and Alva B. Adams tunnel (see elsewhere in this report). Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES FOR PERIOD OF SEASONAL RECORD.--Maximum discharge, 2,520 ft^3/s, June 22, 1996, 5.76 ft; minimum daily, 9.6 ft^3/s, Sept. 21, 1981.

EXTREMES FOR PERIOD OF CONTINUOUS RECORD.--Maximum discharge observed, 4,100 ft^3/s, June 20, 1909, gage height, 5.5 ft site and datum then in use; minimum daily, 6.6 ft^3/s, Jan. 29, 1950; minimum observed prior to starting construction of Shadow Mountain Lake, 20 ft^3/s, Apr. 6, 1936 (discharge measurement).

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 1,030 ft^3/s at 2345 June 1, gage height, 3.59 ft; minimum daily, 16 ft^3/s, Sept. 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	459	---	---	---	---	---	---	51	1010	63	59	28
2	458	---	---	---	---	---	---	74	873	64	42	19
3	458	---	---	---	---	---	---	73	381	61	41	19
4	558	---	---	---	---	---	---	72	85	57	40	19
5	613	---	---	---	---	---	---	72	83	58	40	19
6	554	---	---	---	---	---	---	74	79	63	40	19
7	463	---	---	---	---	---	---	73	80	77	40	19
8	462	---	---	---	---	---	---	77	78	78	40	19
9	462	---	---	---	---	---	---	73	78	79	40	19
10	462	---	---	---	---	---	---	72	78	79	40	18
11	272	---	---	---	---	---	---	72	81	77	40	18
12	116	---	---	---	---	---	---	73	80	74	41	18
13	114	---	---	---	---	---	---	73	285	77	40	18
14	115	---	---	---	---	---	---	73	355	78	41	19
15	116	---	---	---	---	---	---	74	258	76	40	20
16	116	---	---	---	---	---	---	74	148	77	45	22
17	116	---	---	---	---	---	---	81	65	80	42	22
18	---	---	---	---	---	---	---	89	62	77	41	22
19	---	---	---	---	---	---	---	79	61	76	41	22
20	---	---	---	---	---	---	---	77	123	74	41	22
21	---	---	---	---	---	---	---	78	217	75	40	24
22	---	---	---	---	---	---	---	81	215	76	40	23
23	---	---	---	---	---	---	---	78	216	76	39	22
24	---	---	---	---	---	---	---	83	218	76	39	22
25	---	---	---	---	---	---	---	84	225	78	39	21
26	---	---	---	---	---	---	---	83	141	77	39	20
27	---	---	---	---	---	---	---	80	57	75	39	19
28	---	---	---	---	---	---	---	78	57	75	39	18
29	---	---	---	---	---	---	---	78	56	74	39	16
30	---	---	---	---	---	---	---	201	59	74	39	18
31	---	---	---	---	---	---	---	778	---	78	38	---
TOTAL	---	---	---	---	---	---	---	3178	5804	2279	1264	604
MEAN	---	---	---	---	---	---	---	103	193	73.5	40.8	20.1
MAX	---	---	---	---	---	---	---	778	1010	80	59	28
MIN	---	---	---	---	---	---	---	51	56	57	38	16
AC-FT	---	---	---	---	---	---	---	6300	11510	4520	2510	1200

09022000 FRASER RIVER AT UPPER STATION, NEAR WINTER PARK, CO

LOCATION.--Lat 39°50'45", long 105°45'05", in sec.26, T.2 S., R.75 W., Grand County, Hydrologic Unit 14010001, on left bank 0.8 mi upstream from Parsenn Creek, 2.5 mi south of Winter Park, and 7.8 mi southeast of Fraser.

DRAINAGE AREA.--10.5 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May to September 1908, July to November 1909 (published as "at upper station near Fraser"), October 1968 to September 1973, August 1984 to current year. January to September 1911, gage heights only (published as "near Fraser"). Records for August to December 1910, published in WSP 289 as "near Fraser" are unreliable and should not be used.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 9,520 ft above sea level, from topographic map. Prior to Oct. 1, 1968, nonrecording gage at site 0.9 mi upstream at different datum. Since Oct. 1, 1968, supplementary water-stage recorder and Parshall flume on Berthoud Pass ditch.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station through Berthoud Pass ditch to Hoop Creek (revised).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	e6.0	e3.8	e2.4	e2.8	e2.2	e3.0	11	139	26	10	11
2	6.3	e8.8	e3.5	e2.4	e2.8	e2.2	e3.1	15	114	26	10	10
3	6.1	e8.8	e3.4	e2.4	e2.8	e2.2	e3.3	21	104	25	10	9.9
4	5.9	e8.8	e3.1	e2.4	e2.8	e2.2	e3.5	27	100	23	9.8	9.6
5	5.9	e8.8	e2.9	e2.4	e2.8	e2.2	e3.5	33	98	22	10	11
6	6.0	e8.0	e2.8	e2.4	e2.8	e2.2	e3.5	35	93	21	9.6	10
7	6.9	e7.6	e2.6	e2.4	e2.8	e2.2	e3.5	37	88	20	9.0	9.8
8	7.1	e7.2	e2.4	e2.4	e2.8	e2.2	e3.5	35	86	20	8.7	9.8
9	6.8	e6.8	e2.4	e2.4	e2.8	e2.2	e3.5	31	82	20	8.2	9.3
10	6.4	e6.4	e2.4	e2.4	e2.8	e2.1	e4.0	33	68	21	8.2	8.4
11	6.0	e6.2	e2.4	e2.4	e2.8	e2.2	e4.0	37	59	19	8.7	8.1
12	5.6	e6.0	e2.4	e2.5	e2.8	e2.2	e4.0	34	54	19	8.3	7.8
13	5.5	e5.6	e2.4	e2.5	e2.8	e2.2	e4.0	30	50	17	7.7	7.5
14	5.3	e5.4	e2.4	e2.6	e2.8	e2.2	e4.4	27	44	16	7.5	7.0
15	5.1	e5.2	e2.4	e2.6	e2.8	e2.3	e4.5	28	43	17	7.5	6.8
16	e4.9	e5.0	e2.4	e2.7	e2.8	e2.4	e4.6	32	42	18	7.6	6.6
17	e4.9	e4.8	e2.4	e2.7	e2.7	e2.5	e4.6	31	39	21	7.7	6.4
18	e5.6	e4.6	e2.4	e2.8	e2.6	e2.5	5.9	28	37	18	9.0	6.4
19	e6.6	e4.6	e2.4	e2.9	e2.6	e2.5	5.9	27	38	16	7.7	6.1
20	e7.2	e4.5	e2.4	e2.8	e2.6	e2.5	5.4	27	41	15	7.1	7.1
21	e6.6	e4.5	e2.4	e2.8	e2.6	e2.5	5.3	26	35	14	6.8	8.4
22	e7.0	e4.5	e2.4	e2.8	e2.6	e2.5	5.2	31	33	14	7.0	9.9
23	e7.0	e4.5	e2.4	e2.8	e2.5	e2.5	5.5	48	32	13	6.7	7.4
24	e7.0	e4.4	e2.4	e2.8	e2.4	e2.5	5.2	71	30	13	6.6	7.4
25	e6.6	e4.4	e2.4	e2.8	e2.4	e2.6	5.3	82	30	12	6.5	8.0
26	e6.6	e4.4	e2.4	e2.8	e2.4	e2.9	6.4	77	35	12	7.9	7.6
27	e6.6	e4.3	e2.4	e2.8	e2.4	e2.9	8.8	68	33	12	6.9	7.2
28	e6.4	e4.2	e2.4	e2.8	e2.4	e2.9	11	92	30	11	7.9	7.0
29	e6.2	e4.1	e2.4	e2.8	e2.3	e2.9	13	154	29	11	15	7.3
30	e6.0	e4.0	e2.4	e2.8	---	e2.9	13	169	27	11	10	7.1
31	e6.2	---	e2.4	e2.8	---	e2.9	---	171	---	10	10	---
TOTAL	192.7	172.4	79.7	81.3	77.3	75.4	160.4	1568	1733	533	263.6	245.9
MEAN	6.22	5.75	2.57	2.62	2.67	2.43	5.35	50.6	57.8	17.2	8.50	8.20
MAX	7.2	8.8	3.8	2.9	2.8	2.9	13	171	139	26	15	11
MIN	4.9	4.0	2.4	2.4	2.3	2.1	3.0	11	27	10	6.5	6.1
AC-FT	382	342	158	161	153	150	318	3110	3440	1060	523	488

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	5.85	4.09	2.99	2.35	2.04	2.11	4.36	27.4	71.1	29.5	12.6	8.10
MAX	9.66	5.75	5.11	2.97	2.67	2.73	6.45	50.6	124	74.6	21.3	13.0
(WY)	1985	2000	1998	1998	2000	1997	1971	2000	1997	1995	1999	1984
MIN	4.15	2.61	1.62	1.63	1.45	1.41	2.12	8.10	38.2	12.2	6.39	4.62
(WY)	1995	1995	1995	1987	1987	1987	1973	1995	1989	1994	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1969 - 2000	
ANNUAL TOTAL	5426.3		5182.7			
ANNUAL MEAN	14.9		14.2		14.4	
HIGHEST ANNUAL MEAN					19.2	1997
LOWEST ANNUAL MEAN					10.4	1994
HIGHEST DAILY MEAN	101	Jun 23	171	May 31	220	Jun 7 1997
LOWEST DAILY MEAN	e1.7	Jan 1	e2.1	Mar 10	1.2	Feb 26 1989
ANNUAL SEVEN-DAY MINIMUM	e1.7	Jan 1	e2.2	Mar 4	1.4	Feb 20 1989
INSTANTANEOUS PEAK FLOW			268	May 29	a291	Jun 8 1997
INSTANTANEOUS PEAK STAGE			2.06	May 29	b2.08	Jun 8 1997
ANNUAL RUNOFF (AC-FT)	10760		10280		10400	
10 PERCENT EXCEEDS	43		33		42	
50 PERCENT EXCEEDS	5.6		6.2		5.0	
90 PERCENT EXCEEDS	2.0		2.4		2.0	

e Estimated.
a From rating curve extended above 140 ft^3/s.
b Maximum gage height 2.26 ft, Jun 4, 1997, backwater from debris.

09022000 FRASER RIVER AT UPPER STATION NEAR WINTER PARK, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1994 to current year.

REMARKS.--Nutrient analysis based on low-level methods.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory anaylisis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT									
20...	1400	7.2	82	8.5	1.7	10.4	27	6.20	2.85
NOV									
02...	1200	8.8	94	8.5	.2	10.7	33	7.22	3.64
DEC									
08...	1120	2.4	90	8.6	.1	10.2	31	6.87	3.39
JAN									
19...	1400	2.9	102	8.7	.1	10.1	34	7.48	3.65
FEB									
15...	1040	2.8	106	8.6	.2	9.1	34	7.59	3.67
MAR									
29...	1120	2.9	178	7.8	.5	10.4	45	10.6	4.43
APR									
19...	1240	6.5	215	8.4	.1	9.9	47	11.6	4.26
MAY									
18...	1320	26	102	7.7	2.1	9.9	26	6.27	2.46
JUN									
14...	1240	40	54	7.8	6.3	9.2	18	4.23	1.82
JUL									
19...	1100	16	61	8.3	7.1	9.7	22	4.92	2.28
AUG									
15...	1235	7.6	74	8.2	9.1	8.8	27	6.08	2.79
SEP									
11...	1100	8.2	81	8.4	5.6	9.5	29	6.62	3.12

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT								
20...	9.0	1	<.001	.092	<.002	<.050	<.006	<.001
NOV								
02...	9.4	2	.002	<.005	.003	<.050	<.006	<.001
DEC								
08...	9.8	<1	<.001	.104	<.002	<.008	<.006	<.001
JAN								
19...	12.2	<1	<.001	.124	<.002	<.008	<.006	.001
FEB								
15...	12.3	1	<.001	.133	<.002	<.008	<.006	<.001
MAR								
29...	36.1	4	<.001	.130	<.002	<.008	<.006	.002
APR								
19...	51.4	5	<.001	.121	.006	.011	<.006	<.001
MAY								
18...	18.1	<10	<.001	.098	<.002	.008	E.003	<.001
JUN								
14...	5.3	<10	<.001	.071	.003	E.004	<.006	.001
JUL								
19...	5.7	<10	<.001	.048	<.002	<.008	<.006	.001
AUG								
15...	6.5	<10	.001	.041	.008	<.008	<.006	.002
SEP								
11...	6.7	11	.001	.110	.007	<.008	E.003	.002

09023750 FRASER RIVER BELOW BUCK CREEK AT WINTER PARK, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°53'35", long 105°45'52", T.2 S., R.75 W., Grand County, Hydrologic Unit 14010001 on left bank approximately 400 ft upstream from the confluence of Cub Creek and the Fraser River.

DRAINAGE AREA.--25.6 mi^2.

PERIOD OF RECORD.--August 1990 to current year.

REMARKS.--Nutrient analysis based on low-level methods.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT									
20...	1510	20	80	8.4	2.0	10.7	29	6.79	2.98
NOV									
02...	1300	13	92	7.8	1.8	10.6	33	7.98	3.16
DEC									
08...	1220	9.3	95	8.2	.9	10.2	33	7.78	3.18
JAN									
19...	1230	7.6	110	8.9	1.7	11.4	36	8.98	3.33
FEB									
15...	1130	6.3	115	7.9	1.9	10.2	38	9.54	3.38
MAR									
29...	1015	8.5	176	8.8	3.0	11.1	48	12.3	4.19
APR									
19...	1040	16	178	8.1	.9	11.0	43	10.9	3.76
MAY									
18...	1215	24	121	8.1	3.0	10.0	24	6.36	1.88
JUN									
14...	1145	18	74	8.0	7.6	9.3	21	5.32	1.77
JUL									
19...	1200	32	64	8.1	9.0	9.8	23	5.48	2.37
AUG									
15...	1015	15	82	8.5	8.2	8.9	29	6.82	2.81
SEP									
11...	1140	11	90	8.1	7.4	9.1	32	7.75	3.02

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT								
20...	6.6	6	<.001	.074	<.002	<.050	E.003	<.001
NOV								
02...	8.4	1	<.001	.058	<.002	<.050	<.006	<.001
DEC								
08...	8.4	<1	<.001	.065	<.002	E.006	<.006	<.001
JAN								
19...	11.2	7	<.001	.114	.002	.013	E.003	<.001
FEB								
15...	12.0	3	<.001	.094	<.002	E.006	<.006	.001
MAR								
29...	30.2	10	<.001	.142	<.002	.013	<.006	.002
APR								
19...	36.1	6	.001	.144	.014	.016	E.005	.002
MAY								
18...	22.5	26	<.001	.046	<.002	.051	.029	.025
JUN								
14...	8.1	<10	<.001	.034	.023	.012	E.003	.003
JUL								
19...	5.8	<10	.001	.038	.002	E.004	<.006	.001
AUG								
15...	6.5	<10	.001	.048	<.002	E.006	<.006	.002
SEP								
11...	7.1	<10	.001	.078	.003	.008	.007	.002

09024000 FRASER RIVER AT WINTER PARK, CO

LOCATION.--Lat 39°54'00", long 105°46'34", in $SE^{1}/_{4}$ sec.4, T.2 S., R.75 W., Grand County, Hydrologic Unit 14010001, on left bank 500 ft downstream from bridge on U.S. Highway 40, 1.4 mi south of Winter Park, 2.0 mi upstream from Vasquez Creek, 3.5 mi downstream from point of diversion for Moffat water tunnel, and 3.9 mi southeast of Fraser.

DRAINAGE AREA.--27.6 mi^2.

PERIOD OF RECORD.--September 1910 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "near Arrow" 1910-23 and as "near West Portal" 1924-39 and as "near Winter Park" 1990-1992. Records since June 9, 1936, equivalent to earlier records if transmountain diversions are added to flow past station.

REVISED RECORDS.--WSP 929: Drainage area. WDR CO-89-2: 1988 (M).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,906.23 ft above sea level, Colorado State Highway Datum (levels by U.S. Geological Survey). Sept. 23, 1910 to May 12, 1916, nonrecording gage at trail bridge 0.6 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station through Berthoud Pass ditch (see elsewhere in this report) and to Moffat water tunnel (not known since 1968). Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	6.8	e8.4	e7.0	e6.2	6.3	6.8	16	71	48	18	9.0
2	18	7.1	7.8	e7.0	6.3	6.3	6.2	18	58	48	18	7.6
3	17	e9.2	8.1	e7.0	6.4	6.5	6.4	21	48	48	18	7.3
4	17	e9.2	e8.2	e7.0	6.3	6.6	8.1	23	43	46	18	8.0
5	17	e9.2	e8.2	e7.0	6.2	6.7	8.4	24	49	43	18	8.4
6	17	e9.2	e8.2	e7.0	6.1	6.7	9.4	23	40	40	17	8.2
7	21	e9.2	e8.2	e7.0	6.2	6.6	8.8	23	43	38	16	8.2
8	20	e9.2	e8.2	e7.0	6.4	6.3	9.3	22	37	36	15	9.7
9	19	e9.2	e8.2	e7.0	6.5	6.2	11	21	30	36	15	9.4
10	18	e9.2	e8.2	e7.0	6.8	6.1	12	24	38	38	15	9.1
11	17	e9.2	e7.8	e7.0	6.7	6.2	11	25	39	32	15	9.1
12	17	e9.2	e7.8	6.3	6.5	6.0	12	22	30	31	15	9.0
13	16	e9.2	e7.8	6.4	6.4	6.2	14	19	27	30	14	9.4
14	16	e9.2	e7.8	6.2	6.6	6.1	15	20	19	29	14	9.8
15	15	e9.2	e7.8	6.3	6.5	6.1	14	21	17	30	14	8.3
16	15	e9.2	e7.8	6.3	6.6	e5.8	12	24	15	31	15	5.4
17	e15	e9.2	e7.8	6.1	6.6	e5.8	15	22	29	37	18	4.8
18	e15	e9.2	e7.8	6.1	6.4	5.8	18	22	51	31	18	4.3
19	15	e9.2	e7.8	6.0	6.2	e5.9	15	23	55	29	14	4.1
20	15	e9.2	e7.8	6.1	6.5	5.9	13	23	74	28	12	4.5
21	15	e9.4	e7.8	6.2	6.4	6.3	15	23	62	27	10	6.7
22	14	9.5	e7.8	6.2	6.3	6.1	15	26	60	25	7.9	6.4
23	14	e9.2	e7.8	5.9	6.7	6.4	15	28	58	24	7.7	4.7
24	14	e9.2	e7.8	6.2	6.6	6.8	14	29	56	23	8.1	5.3
25	14	e9.0	e7.8	6.2	6.1	6.9	15	31	55	22	8.9	5.2
26	13	e9.0	e7.4	6.0	6.2	6.7	20	30	60	22	9.1	5.0
27	13	9.0	e7.4	5.9	6.5	7.2	26	32	58	21	8.9	4.7
28	10	9.1	e7.4	e6.0	6.5	7.4	29	33	54	20	9.3	4.4
29	7.4	e9.1	e7.4	e6.0	6.5	7.2	19	39	51	20	12	4.6
30	6.9	8.9	e7.4	e6.0	---	6.7	19	53	49	19	11	4.4
31	7.2	---	e7.0	e6.2	---	6.3	---	67	---	18	9.8	---
TOTAL	466.5	270.9	242.7	199.6	186.2	198.1	412.4	827	1376	970	419.7	205.0
MEAN	15.0	9.03	7.83	6.44	6.42	6.39	13.7	26.7	45.9	31.3	13.5	6.83
MAX	21	9.5	8.4	7.0	6.8	7.4	29	67	74	48	18	9.8
MIN	6.9	6.8	7.0	5.9	6.1	5.8	6.2	16	15	18	7.7	4.1
AC-FT	925	537	481	396	369	393	818	1640	2730	1920	832	407

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	10.9	9.57	7.64	6.66	6.23	6.65	12.7	49.0	115	48.7	19.7	13.1
MAX	31.0	20.4	21.1	12.1	9.88	13.6	31.5	163	354	209	72.2	46.0
(WY)	1914	1928	1928	1928	1938	1918	1925	1928	1918	1957	1929	1925
MIN	2.93	2.72	2.83	2.92	3.11	3.58	5.05	7.42	5.76	4.92	3.37	2.57
(WY)	1957	1965	1965	1967	1933	1990	1970	1954	1954	1954	1954	1966

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1911 - 2000	
ANNUAL TOTAL	9014.3		5774.1			
ANNUAL MEAN	24.7		15.8		25.5	
HIGHEST ANNUAL MEAN					60.9	1914
LOWEST ANNUAL MEAN					5.93	1954
HIGHEST DAILY MEAN	193	Jun 23	74	Jun 20	622	Jun 14 1918
LOWEST DAILY MEAN	4.3	Feb 19	4.1	Sep 19	a2.0	Mar 29 1912
ANNUAL SEVEN-DAY MINIMUM	4.4	Feb 15	4.8	Sep 24	2.1	Oct 5 1956
INSTANTANEOUS PEAK FLOW			113	May 31	820	Jun 13 1918
INSTANTANEOUS PEAK STAGE			1.78	May 31	b2.90	Jun 13 1918
ANNUAL RUNOFF (AC-FT)	17880		11450		18460	
10 PERCENT EXCEEDS	57		36		58	
50 PERCENT EXCEEDS	9.2		9.2		8.9	
90 PERCENT EXCEEDS	5.0		6.2		4.2	

e Estimated.
a Also occurred Mar 30, Apr 9, 1912, and Jan 23, 1915.
b Maximum gage height, 2.95 ft, Jun 9, 1997.

09025000 VASQUEZ CREEK AT WINTER PARK, CO

LOCATION.--Lat 39°55'13", long 105°47'05", in $NE^1/_4NW^1/_4$ sec.33. T.1 S., R.75 W., Grand County, Hydrologic Unit 14010001, on right bank 30 ft downstream from bridge on U.S. Highway 40, 0.2 mi upstream from mouth, 2.5 mi southeast of Fraser, and 4.5 mi downstream from Moffat water tunnel diversion.

DRAINAGE AREA.--27.8 mi^2.

PERIOD OF RECORD.--June to August 1907, July to November 1909, October 1933 to current year. Monthly discharge only for some periods, published in WSP 1313. Records for June to October 1908, published in WSP 269, are unreliable and should not be used. Published as Vasquez River at lower station, near Fraser 1907-09, as "near West Portal" 1934-39, and as "near Winter Park" 1940-87. Records for May 26, 1937 to September 1959, equivalent to earlier records if diversion to Moffat water tunnel is added to flow past station.

REVISED RECORDS.--See PERIOD OF RECORD.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 8,768.48 ft above sea level. June 1, 1907 to Oct. 31, 1909, nonrecording gage at site 0.8 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station to Moffat water tunnel not known since 1959. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	6.0	e4.3	e8.0	e9.7	e9.3	8.0	e11	95	9.5	8.5	9.0
2	17	e6.0	e4.2	e8.0	e10	e9.3	9.1	e11	53	9.3	8.6	8.7
3	16	e5.8	e4.2	e8.0	e10	e9.3	8.6	e11	46	9.3	8.7	8.6
4	16	e5.8	e4.1	e8.0	e10	e9.3	8.6	e12	45	9.5	8.7	8.5
5	16	e5.8	e4.1	e8.0	e10	8.4	8.7	14	39	9.1	8.7	8.8
6	16	e5.8	4.0	e8.0	e10	7.4	8.7	e15	30	9.5	8.6	8.9
7	18	e5.7	4.4	e8.0	e10	7.4	8.4	e15	28	9.3	8.4	8.7
8	19	e5.6	e4.6	e8.0	e9.7	7.4	8.8	e15	22	9.5	8.1	8.9
9	19	e5.5	e4.9	e8.0	e9.7	7.6	8.6	e14	14	9.7	8.3	8.7
10	18	e5.4	5.2	e8.0	e9.7	7.7	8.3	e14	11	9.6	8.4	8.6
11	12	e5.4	5.0	e7.2	e9.7	7.8	8.2	e15	10	9.2	8.5	8.5
12	4.7	e5.4	5.4	e6.1	e9.7	e7.6	8.5	e14	9.3	9.1	8.4	8.5
13	4.3	e5.4	5.2	e6.1	e9.7	7.6	8.8	e14	9.7	9.2	8.2	8.4
14	4.2	e5.4	5.1	e6.1	e9.7	7.8	9.2	13	9.6	9.1	8.3	8.4
15	4.1	5.4	e5.2	e6.1	e9.7	e8.0	9.4	e12	9.6	9.3	8.3	7.8
16	4.2	6.2	e5.2	e6.1	e9.7	e8.0	9.3	13	9.6	9.7	8.6	4.6
17	5.0	6.4	e5.4	e6.1	e9.7	e8.0	9.3	14	21	10	9.1	4.5
18	4.7	6.5	e5.4	e6.1	e9.7	8.0	9.3	e14	47	9.6	9.6	4.5
19	4.6	e6.2	e5.6	e6.1	e9.7	e8.0	9.3	e14	52	9.0	9.0	4.6
20	e4.5	e6.0	e5.8	e6.1	e9.7	7.7	8.8	e14	73	8.7	8.8	4.5
21	e4.5	e5.8	e5.8	e6.3	e9.7	8.0	8.8	e14	49	8.6	8.7	5.4
22	e4.6	e5.6	e6.0	e6.1	e9.7	8.0	8.8	e13	29	8.7	8.6	6.3
23	e4.6	e5.4	e6.2	e6.1	e9.6	8.2	e11	e13	12	8.5	8.5	4.9
24	e4.6	e5.4	e6.2	e6.1	e9.3	7.8	e11	e13	9.3	8.3	8.4	5.1
25	e4.5	e5.2	e6.4	e6.3	e9.3	7.8	e11	e14	9.5	8.6	8.6	5.0
26	4.4	e5.0	e6.6	e7.0	e9.3	8.0	e11	e15	16	8.7	9.0	4.9
27	4.4	e4.8	e7.0	e7.0	e9.3	8.0	e11	14	43	8.7	8.8	4.9
28	4.5	e4.7	e7.4	e7.1	e9.3	8.4	e11	e15	58	8.5	9.2	4.8
29	e4.5	e4.6	e7.8	e7.2	e9.3	7.9	e11	34	53	8.3	11	4.9
30	e4.9	e4.5	e7.6	e7.9	---	7.8	e11	87	31	8.2	9.7	4.9
31	e5.8	---	e7.6	e8.5	---	7.8	---	103	---	8.2	9.2	---
TOTAL	275.6	166.7	171.9	217.7	280.6	249.3	281.5	604	943.6	280.5	271.5	202.8
MEAN	8.89	5.56	5.55	7.02	9.68	8.04	9.38	19.5	31.5	9.05	8.76	6.76
MAX	19	6.5	7.8	8.5	10	9.3	11	103	95	10	11	9.0
MIN	4.1	4.5	4.0	6.1	9.3	7.4	8.0	11	9.3	8.2	8.1	4.5
AC-FT	547	331	341	432	557	494	558	1200	1870	556	539	402

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6.14	6.70	5.57	4.91	4.60	4.73	7.63	27.1	68.0	23.0	8.22	6.90
MAX	35.1	21.9	13.4	10.0	9.99	9.14	19.8	119	234	177	41.2	27.0
(WY)	1962	1962	1962	1958	1958	1995	1943	1958	1942	1983	1936	1995
MIN	.66	1.84	1.30	1.28	.80	1.02	2.41	2.81	.14	.34	.39	.20
(WY)	1965	1963	1965	1965	1960	1965	1965	1954	1940	1956	1960	1944

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1934 - 2000	
ANNUAL TOTAL	7083.6		3945.7			
ANNUAL MEAN	19.4		10.8			
HIGHEST ANNUAL MEAN					39.6	1936
LOWEST ANNUAL MEAN					2.30	1963
HIGHEST DAILY MEAN	186	Jun 24	103	May 31	417	Jun 25 1983
LOWEST DAILY MEAN	4.0	Dec 6	4.0	Dec 6	a.00	Sep 9 1944
ANNUAL SEVEN-DAY MINIMUM	e4.2	Dec 1	e4.2	Dec 1	.00	Sep 9 1944
INSTANTANEOUS PEAK FLOW			158	May 30	b526	Jun 27 1983
INSTANTANEOUS PEAK STAGE			2.69	May 30	4.14	Jun 27 1983
ANNUAL RUNOFF (AC-FT)	14050		7830			
10 PERCENT EXCEEDS	42		15		22	
50 PERCENT EXCEEDS	8.6		8.6		5.9	
90 PERCENT EXCEEDS	5.2		4.9		1.5	

e Estimated.
a Also no flow at times in 1946, 1956, 1960, and 1966.
b From rating curve extended above 286 ft^3/s.

09025010 FRASER RIVER BELOW VASQUEZ CREEK AT WINTER PARK, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°55'37", long 105°47'08", $NE^1/_4SW^1/_4$ sec.28, T.1 S., R.75 W., Grand County, Hydrologic Unit 14010001, on left bank approximately 1,500 ft downstream from the confluence of Vasquez Creek and the Fraser River.

DRAINAGE AREA.--59.1 mi^2.

PERIOD OF RECORD.--August 1990 to current year.

REMARKS.--Nutrient analysis based on low-level methods.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT 20...	1130	20	81	7.9	1.4	11.4	29	7.06	2.84
NOV 02...	1100	9.4	87	8.1	.8	10.8	33	8.23	3.00
DEC 08...	1015	16	81	8.1	.1	9.6	29	7.25	2.76
JAN 19...	1130	25	90	7.7	.1	10.8	31	7.84	2.76
FEB 15...	1500	19	89	8.4	.4	11.4	30	7.86	2.56
MAR 29...	1225	16	141	8.2	2.7	9.8	42	10.2	4.12
APR 21...	1330	35	135	7.9	.9	11.1	38	9.48	3.37
MAY 18...	1115	50	76	8.1	2.3	10.5	22	6.00	1.77
JUN 14...	1050	38	63	8.2	7.3	8.9	20	5.31	1.69
JUL 19...	1245	47	62	8.0	11.5	9.5	23	5.68	2.22
AUG 15...	1335	24	75	8.2	12.6	7.9	27	6.70	2.42
SEP 11...	1220	20	76	8.4	9.8	8.9	28	7.41	2.30

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT 20...	6.3	4	<.001	.100	.005	E.031	.006	<.001
NOV 02...	7.3	2	<.001	.101	<.002	E.033	E.004	<.001
DEC 08...	5.6	2	.001	.182	<.002	.020	.012	<.001
JAN 19...	6.5	1	.001	.410	.003	.042	.030	.028
FEB 15...	6.5	3	.001	.538	.002	.057	.040	.038
MAR 29...	19.2	10	.001	.782	<.002	.085	.048	.045
APR 21...	20.5	6	.001	.368	.010	.053	.029	.023
MAY 18...	8.7	<10	<.001	.101	.009	.032	.017	.012
JUN 14...	5.3	<10	.001	.085	.013	.017	.010	.010
JUL 19...	4.8	<10	.001	.062	.007	.016	.007	.005
AUG 15...	4.9	<10	.002	.134	.019	.027	.019	.016
SEP 11...	4.5	<10	.001	.079	.003	.018	.011	.013

09025300 ELK CREEK AT UPPER STATION NEAR FRASER, CO

LOCATION.--Lat 39°53'22", long 105°49'55", (unsurveyed), T.2 S., R.76 W., Grand County, Hydrologic Unit 14010001, on right bank 150 ft downstream from Vasquez ditch, 1,100 ft upstream from aqueduct, and 4.0 mi south of Fraser.

DRAINAGE AREA.--1.67 mi^2.

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 9,400 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station to Moffat water tunnel. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.93	.00	e.00	e.00	e.00	e.00	e.00	.01	2.2	2.9	1.0	.86
2	.89	e.00	e.00	e.00	e.00	e.00	e.00	.01	2.5	2.7	1.0	.84
3	.86	e.00	e.00	e.00	e.00	e.00	e.00	.02	2.8	2.7	1.0	.79
4	.86	e.00	e.00	e.00	e.00	e.00	e.00	.02	2.7	2.5	1.0	.78
5	.86	e.00	e.00	e.00	e.00	e.00	e.00	.03	3.4	2.3	.99	.80
6	.88	e.00	e.00	e.00	e.00	e.00	e.00	.03	5.8	2.1	.97	.81
7	.95	e.00	e.00	e.00	e.00	e.00	e.00	.02	5.8	2.0	.91	.76
8	.94	e.00	e.00	e.00	e.00	e.00	e.00	.29	5.7	2.2	.90	.76
9	.91	e.00	e.00	e.00	e.00	e.00	e.00	.49	5.5	2.4	.89	.72
10	.87	e.00	e.00	e.00	e.00	e.00	e.00	.52	5.3	2.4	.88	.66
11	.86	e.00	e.00	e.00	e.00	e.00	e.00	e.56	5.2	2.0	.89	.65
12	.86	e.00	e.00	e.00	e.00	e.00	e.00	e.38	5.4	1.9	.90	.64
13	.83	e.00	e.00	e.00	e.00	e.00	e.00	e.38	5.8	1.8	.84	.63
14	.81	e.00	e.00	e.00	e.00	e.00	e.00	e.38	5.9	1.8	.84	.62
15	.81	e.00	e.00	e.00	e.00	e.00	e.00	e.38	5.8	1.8	.84	.49
16	.79	e.00	e.00	e.00	e.00	e.00	e.00	e.38	5.4	2.3	.87	.46
17	e.64	e.00	e.00	e.00	e.00	e.00	e.00	e.22	5.2	2.3	.91	.46
18	e.33	e.00	e.00	e.00	e.00	e.00	e.00	.01	4.8	1.9	1.0	.48
19	e.15	e.00	e.00	e.00	e.00	e.00	.00	.01	5.0	1.7	.93	.48
20	e.02	e.00	e.00	e.00	e.00	e.00	.00	.01	5.7	1.6	.87	.54
21	e.01	e.00	e.00	e.00	e.00	e.00	.00	.01	4.7	1.5	.84	.78
22	e.02	e.00	e.00	e.00	e.00	e.00	.00	.01	4.2	1.4	.80	1.1
23	e.03	e.00	e.00	e.00	e.00	e.00	.00	.01	3.8	1.3	.79	.80
24	e.04	e.00	e.00	e.00	e.00	e.00	.00	.89	3.6	1.3	.78	.81
25	e.04	e.00	e.00	e.00	e.00	e.00	.00	2.5	3.5	1.2	.80	.81
26	e.05	e.00	e.00	e.00	e.00	e.00	.01	2.7	4.2	1.2	1.0	.82
27	e.06	e.00	e.00	e.00	e.00	e.00	.01	2.4	4.0	1.2	.88	.81
28	e.04	e.00	e.00	e.00	e.00	e.00	.01	2.4	3.4	1.1	1.1	.80
29	.00	e.00	e.00	e.00	e.00	e.00	.01	2.3	3.2	1.1	1.7	.83
30	.00	e.00	e.00	e.00	---	e.00	.00	2.0	3.0	1.1	1.0	.80
31	.00	---	e.00	e.00	---	e.00	---	2.4	---	1.0	.91	---
TOTAL	15.34	0.00	0.00	0.00	0.00	0.00	0.04	21.77	133.5	56.7	29.03	21.59
MEAN	.49	.000	.000	.000	.000	.000	.001	.70	4.45	1.83	.94	.72
MAX	.95	.00	.00	.00	.00	.00	.01	2.7	5.9	2.9	1.7	1.1
MIN	.00	.00	.00	.00	.00	.00	.00	.01	2.2	1.0	.78	.46
AC-FT	30	.00	.00	.00	.00	.00	.08	43	265	112	58	43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.50	.17	.17	.16	.12	.10	.13	1.02	8.83	2.68	1.45	.92
MAX	.77	.68	.67	.64	.47	.41	.50	3.02	16.3	3.29	2.03	1.16
(WY)	1997	1997	1997	1997	1997	1997	1997	1998	1997	1998	1999	1999
MIN	.27	.000	.000	.000	.000	.000	.000	.17	4.45	1.83	.94	.72
(WY)	1999	1998	1998	1998	1998	1999	1999	1997	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1997 - 2000	
ANNUAL TOTAL	416.03		277.97			
ANNUAL MEAN	1.14		.76		1.35	
HIGHEST ANNUAL MEAN					2.18	1997
LOWEST ANNUAL MEAN					.76	2000
HIGHEST DAILY MEAN	10	Jun 23	5.9	Jun 14	20	Jun 10 1997
LOWEST DAILY MEAN	e.00	Jan 1	a,e.00	Oct 29	b.00	May 7 1997
ANNUAL SEVEN-DAY MINIMUM	e.00	Jan 1	e.00	Oct 29	.00	May 7 1997
INSTANTANEOUS PEAK FLOW			8.8	Jun 12	22	Jun 10 1997
INSTANTANEOUS PEAK STAGE			5.38	Jun 12	5.69	Jun 10 1997
ANNUAL RUNOFF (AC-FT)	825		551		979	
10 PERCENT EXCEEDS	2.9		2.4		3.2	
50 PERCENT EXCEEDS	.00		.01		.46	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated.
a No flow many days. Some values estimated.
b No flow many days each year.

09026500 ST. LOUIS CREEK NEAR FRASER, CO

LOCATION.--Lat 39°54'36", long 105°52'40", in $SE^1/_4SW^1/_4$ sec.34, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, on left bank 300 ft downstream from West St. Louis Creek, and 4.1 mi southwest of Fraser.

DRAINAGE AREA.--32.9 mi^2.

PERIOD OF RECORD.--October 1933 to current year. Prior to August 1934, monthly discharge only, published in WSP 1313. Records for May 1956 to September 1959, equivalent to earlier records if diversion to Moffat water tunnel is added to flow past station.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 8,980.17 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station to Moffat water tunnel not known since 1959. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	e6.6	5.8	6.2	e6.5	e6.1	7.9	18	168	21	15	13
2	20	e7.1	5.8	6.2	e6.4	6.5	8.0	22	131	20	15	15
3	19	e6.8	5.8	6.3	e6.2	6.4	7.8	29	106	20	16	14
4	18	e6.6	5.5	6.5	e6.2	7.4	e7.8	35	106	19	16	14
5	18	e6.4	6.2	6.5	e6.2	7.6	7.8	42	128	18	15	13
6	18	e6.2	5.8	6.5	5.9	7.8	8.2	45	126	18	15	13
7	22	e6.0	5.7	6.5	e5.7	6.7	8.0	44	126	18	14	13
8	22	e5.8	5.8	6.5	e5.6	7.6	9.2	37	102	18	13	13
9	21	e5.8	5.8	6.5	6.0	e7.4	e9.0	20	80	19	13	14
10	20	e5.8	5.7	6.7	e5.9	e7.2	9.2	21	72	19	13	12
11	19	e5.8	5.9	6.5	e5.9	e7.0	8.6	22	63	15	13	12
12	18	e5.8	5.7	6.0	e5.9	6.9	8.9	20	56	15	13	11
13	17	e5.8	5.7	5.9	5.9	e6.8	10	18	54	15	13	11
14	17	e5.8	5.7	5.8	5.9	e6.8	11	18	50	16	12	11
15	16	e5.8	5.9	5.7	6.1	6.8	11	18	48	19	12	10
16	e15	e5.8	5.9	5.7	e6.0	e7.0	9.8	22	43	18	13	10
17	e14	e5.8	5.9	5.7	5.9	e7.2	11	25	56	26	14	11
18	e14	e5.8	5.9	5.7	5.9	7.3	12	23	72	17	21	10
19	e14	e5.8	5.9	6.0	e6.0	e7.0	11	23	78	16	15	9.4
20	e15	e5.8	5.9	6.0	e6.0	6.9	11	25	93	16	14	8.7
21	e15	e5.8	6.0	6.0	e6.2	7.7	11	24	72	15	14	11
22	e13	e5.8	6.2	5.9	6.2	7.4	12	27	50	14	13	16
23	e14	e5.8	6.1	6.2	6.2	7.0	15	36	30	14	13	8.7
24	e13	e5.8	5.9	e6.0	6.4	6.8	11	46	23	14	12	8.3
25	e13	e5.8	5.9	e6.0	6.2	6.9	13	46	24	17	12	7.8
26	e13	e5.8	5.9	6.0	e6.2	6.8	13	31	29	15	15	8.0
27	e13	e5.8	5.9	6.0	e6.2	7.1	16	31	29	15	15	7.5
28	e13	5.8	6.1	e6.2	6.1	6.9	19	32	43	16	14	7.3
29	4.5	5.7	6.2	e6.4	6.1	6.8	21	58	63	16	30	7.6
30	e5.0	5.5	6.2	6.7	---	6.7	21	104	46	15	21	7.6
31	e6.0	---	6.2	e6.6	---	6.7	---	145	---	15	15	---
TOTAL	479.5	178.7	182.9	191.4	175.9	217.2	339.2	1107	2167	529	459	327.9
MEAN	15.5	5.96	5.90	6.17	6.07	7.01	11.3	35.7	72.2	17.1	14.8	10.9
MAX	22	7.1	6.2	6.7	6.5	7.8	21	145	168	26	30	16
MIN	4.5	5.5	5.5	5.7	5.6	6.1	7.8	18	23	14	12	7.3
AC-FT	951	354	363	380	349	431	673	2200	4300	1050	910	650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	11.9	9.28	7.56	6.79	6.27	6.38	9.43	37.5	117	65.4	24.1	14.6
MAX	31.4	19.7	14.3	12.0	11.0	12.0	26.2	102	263	250	70.1	34.1
(WY)	1962	1996	1946	1946	1946	1946	1960	1936	1997	1995	1945	1938
MIN	2.63	2.90	2.28	2.00	2.07	2.35	3.41	8.62	21.6	16.2	11.3	4.39
(WY)	1965	1967	1968	1961	1968	1968	1970	1968	1989	1994	1963	1963

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1934 - 2000	
ANNUAL TOTAL	7123.2		6354.7			
ANNUAL MEAN	19.5		17.4		26.4	
HIGHEST ANNUAL MEAN					48.9	1995
LOWEST ANNUAL MEAN					9.98	1963
HIGHEST DAILY MEAN	196	Jun 23	168	Jun 1	418	Jun 18 1995
LOWEST DAILY MEAN	4.5	Oct 29	4.5	Oct 29	a1.8	Jan 25 1968
ANNUAL SEVEN-DAY MINIMUM	5.7	Nov 28	5.7	Nov 28	1.8	Jan 24 1968
INSTANTANEOUS PEAK FLOW			237	May 31	558	Jun 17 1995
INSTANTANEOUS PEAK STAGE			2.24	May 31	b2.80	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	14130		12600		19090	
10 PERCENT EXCEEDS	44		33		62	
50 PERCENT EXCEEDS	9.2		11		10	
90 PERCENT EXCEEDS	5.8		5.8		4.8	

e Estimated.
a Also occurred Jan 26-30, Feb 1-2, and Feb 14, 1968.
b Maximum gage height, 3.21 ft, Jun 10, 1952, backwater from log on control.

09027100 FRASER RIVER AT TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°59'25", long 105°49'44", SE$^1/_4$NW$^1/_4$ sec.6, T.1 S., R.75 W., Grand County, Hydrologic Unit 14010001, on right bank approximately 100 ft upstream from the bridge over the Fraser River.

DRAINAGE AREA.--116 mi^2.

REVISED RECORDS.--WDR CO-93-2: Drainage area.

PERIOD OF RECORD.--August 1990 to current year.

REMARKS.--Nutrient analysis based on low-level methods.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT									
20...	1030	40	87	8.5	.4	11.9	33	9.28	2.42
NOV									
02...	1000	20	100	8.6	1.0	11.6	38	10.8	2.64
DEC									
08...	0900	25	107	8.1	.1	10.0	37	10.1	2.86
JAN									
19...	1030	34	114	8.0	.1	10.8	36	10.0	2.71
FEB									
15...	1240	22	110	8.1	.0	10.3	37	10.4	2.77
MAR									
29...	1415	39	135	7.7	.4	10.8	42	11.1	3.37
APR									
19...	1140	68	120	7.8	.2	10.7	36	9.81	2.75
MAY									
18...	1030	71	78	7.7	3.3	10.7	27	7.62	1.83
JUN									
14...	0950	122	64	8.3	8.7	9.3	25	7.31	1.59
JUL									
19...	1330	69	75	9.0	17.8	8.3	28	7.66	2.18
AUG									
15...	1130	39	86	9.1	15.0	8.8	32	9.08	2.32
SEP									
11...	1330	40	88	9.3	13.8	9.6	34	9.90	2.30

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT								
20...	4.3	4	.005	.141	.066	.059	.036	.019
NOV								
02...	5.2	6	.009	.264	.054	.080	.045	.031
DEC								
08...	5.7	<1	.008	.434	.102	.082	.056	.038
JAN								
19...	7.1	2	.008	.632	.297	.152	.119	.104
FEB								
15...	6.3	1	.009	.772	.436	.197	.169	.165
MAR								
29...	12.6	10	.010	.822	.516	.251	.158	.142
APR								
19...	13.4	8	.008	.371	.189	.139	.077	.061
MAY								
18...	6.5	<10	.005	.125	.030	.073	.037	.031
JUN								
14...	2.7	<10	.003	.072	.016	.046	.027	.020
JUL								
19...	5.2	<10	.009	.072	.022	.078	.057	.041
AUG								
15...	4.9	<10	.016	.143	.024	.109	.089	.077
SEP								
11...	4.1	<10	.009	.129	.012	.101	.079	.070

09032000 RANCH CREEK NEAR FRASER, CO

LOCATION.--Lat 39°57'00", long 105°45'54", in $NW^1/_4NE^1/_4$ sec.22, T.1 S., R.75 W., Grand County, Hydrologic Unit 14010001, on left bank 650 ft downstream from Middle Fork, and 2.7 mi east of Fraser.

DRAINAGE AREA.--19.9 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1934 to current year. Records for May 26, 1937, to September 1959, equivalent to earlier records if diversion to Moffat water tunnel is added to flow past station.

REVISED RECORDS.--WSP 1243: 1935.

GAGE.--Water-stage recorder. Elevation of gage is 8,660 ft above sea level, from topographic map. Prior to Oct. 5, 1995, at site 200 ft upstream, at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion upstream from station for irrigation of hay meadows along Fraser River. Transmountain diversion upstream from station to Moffat water tunnel not known since 1959. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	e2.6	e3.2	e3.8	e4.3	e4.2	e4.8	14	155	4.2	3.4	3.7
2	9.2	e2.4	e3.2	e3.8	e4.2	e4.2	e4.8	14	140	4.3	3.4	3.3
3	8.7	e2.2	e3.2	e3.8	e4.2	e4.2	e4.8	18	108	4.5	3.3	3.0
4	8.4	e2.4	e3.2	e3.8	e4.2	e4.2	e4.8	22	105	4.2	3.3	2.9
5	8.2	e2.6	e3.2	e3.8	e4.2	e4.2	e5.2	27	138	4.2	3.3	3.0
6	8.2	e2.7	e3.2	e3.8	e4.2	e4.2	e6.0	29	138	4.2	3.1	3.4
7	9.8	e2.7	e3.5	e3.8	e4.2	e4.2	e5.8	28	130	4.3	3.0	3.0
8	9.9	e2.7	e3.5	e3.8	e4.2	e4.2	e5.8	28	103	4.4	2.9	3.1
9	9.6	e2.5	e3.5	e3.8	e4.2	e4.2	e6.4	25	41	4.6	2.9	3.1
10	8.9	e2.7	e3.5	e3.8	e4.2	e4.2	e7.0	23	53	4.8	2.9	2.9
11	8.4	e2.7	e3.5	e3.8	e4.2	e4.2	e6.6	24	52	4.4	2.9	2.8
12	8.1	e2.7	e3.5	e3.8	e4.2	e4.2	e6.8	23	48	4.3	2.9	2.7
13	7.8	e2.9	e3.5	e3.8	e4.2	e4.2	e7.2	21	54	4.2	2.8	2.7
14	7.7	e3.2	e3.5	e3.9	e4.2	e4.2	e8.4	19	59	4.1	2.8	2.6
15	7.5	e3.0	e3.5	e3.9	e4.2	e4.2	e8.8	18	57	4.1	2.7	2.6
16	6.9	e3.0	e3.5	e4.0	e4.2	e4.2	e7.6	19	53	4.3	2.8	2.5
17	e7.2	e3.0	e3.5	e4.1	e4.2	e4.2	e8.0	19	52	4.6	3.1	2.5
18	e7.8	e3.0	e3.5	e4.3	e4.2	e4.3	e9.2	18	48	4.3	3.3	2.5
19	8.0	e3.0	e3.5	e4.4	e4.2	e4.3	7.4	19	44	3.9	3.3	2.5
20	e8.1	e3.0	e3.6	e4.5	e4.2	e4.4	6.7	19	22	3.8	3.3	2.8
21	e8.2	e3.0	e3.8	e4.6	e4.2	e4.5	7.6	18	21	3.8	3.1	3.5
22	e7.8	e3.0	e3.8	e4.7	e4.2	e4.5	8.1	20	20	3.8	3.0	4.9
23	e7.7	e3.0	e3.8	e4.8	e4.2	e4.6	8.6	36	10	3.9	3.0	3.5
24	e7.6	e3.0	e3.8	e4.9	e4.2	e4.6	7.6	64	5.3	3.8	2.9	3.7
25	e7.6	e3.0	e3.8	e5.0	e4.2	e4.6	7.1	77	5.0	3.7	2.8	3.9
26	e7.4	e3.0	e3.8	e5.0	e4.2	e4.6	9.1	64	6.1	3.7	3.0	4.0
27	7.2	e3.0	e3.8	e5.0	e4.2	e4.6	14	57	20	3.7	3.1	3.8
28	e5.9	e3.1	e3.8	e4.8	e4.2	e4.7	17	84	32	3.5	3.2	3.7
29	e3.6	e3.2	e3.8	e4.7	e4.2	e4.8	18	131	30	3.5	4.6	3.8
30	2.7	e3.2	e3.8	e4.6	---	e4.8	19	147	16	3.4	3.8	3.8
31	e3.2	---	e3.8	e4.5	---	e4.8	---	165	---	3.4	3.7	---
TOTAL	236.6	85.5	110.1	131.1	121.9	135.5	248.2	1290	1765.4	125.9	97.6	96.2
MEAN	7.63	2.85	3.55	4.23	4.20	4.37	8.27	41.6	58.8	4.06	3.15	3.21
MAX	9.9	3.2	3.8	5.0	4.3	4.8	19	165	155	4.8	4.6	4.9
MIN	2.7	2.2	3.2	3.8	4.2	4.2	4.8	14	5.0	3.4	2.7	2.5
AC-FT	469	170	218	260	242	269	492	2560	3500	250	194	191

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.83	4.17	3.43	3.03	2.71	2.64	5.31	30.9	77.7	25.1	7.47	4.99
MAX	19.6	14.6	8.11	5.63	4.65	5.34	17.4	99.4	206	136	27.3	13.8
(WY)	1962	1962	1962	1962	1966	1950	1946	1936	1997	1995	1945	1945
MIN	.98	1.09	.87	.89	.74	.65	1.61	3.69	2.68	2.40	1.52	.98
(WY)	1969	1965	1965	1964	1964	1964	1961	1954	1966	1966	1960	1960

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1935 - 2000	
ANNUAL TOTAL	4338.0		4444.0			
ANNUAL MEAN	11.9		12.1			
HIGHEST ANNUAL MEAN					31.4	1983
LOWEST ANNUAL MEAN					2.55	1964
HIGHEST DAILY MEAN	145	Jun 18	165	May 31	402	Jun 7 1997
LOWEST DAILY MEAN	e2.2	Nov 3	e2.2	Nov 3	a.40	Sep 21 1960
ANNUAL SEVEN-DAY MINIMUM	2.5	Nov 1	2.5	Nov 1	.42	Sep 21 1988
INSTANTANEOUS PEAK FLOW			231	May 31	548	Jun 4 1997
INSTANTANEOUS PEAK STAGE			5.94	May 31	6.71	Jun 4 1997
ANNUAL RUNOFF (AC-FT)	8600		8810			
10 PERCENT EXCEEDS	20		23		31	
50 PERCENT EXCEEDS	3.6		4.2		4.1	
90 PERCENT EXCEEDS	2.7		2.9		1.8	

e Estimated.
a Also occurred Oct 6, 1960, and Sep 24-26, 1988.

09032000 RANCH CREEK NEAR FRASER, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1997 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV								
04...	1215	2.2	57	7.9	.1	10.8	K1	.3
JAN								
25...	1030	5.3	45	8.4	.5	10.8	K1	E.2
MAR								
23...	1340	4.6	48	8.0	.8	10.7	K1	E.2
MAY								
17...	1230	18	43	7.7	2.4	10.7	K1	E.2
JUL								
20...	1400	4.4	40	8.2	12.1	8.5	K17	E.2
SEP								
11...	1415	3.1	49	8.3	8.6	9.4	<1	E.2

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV							
04...	<1	<.001	.048	<.002	<.050	<.006	<.001
JAN							
25...	3	<.001	.092	<.002	<.050	.009	.002
MAR							
23...	<1	<.001	.078	<.002	<.008	E.003	.004
MAY							
17...	<10	<.001	.020	.006	.024	.009	.004
JUL							
20...	<10	.001	.010	<.002	E.006	<.006	.002
SEP							
11...	<10	<.001	.008	.007	--	--	--

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
13...	1542	7.1	39	4.5	16...	1108	17	39	4.5
NOV					JUN				
03...	1551	2.1	54	.0	13...	1011	41	28	4.5
JAN					JUL				
13...	1135	3.8	43	.0	12...	1022	4.4	37	10.0
MAR					AUG				
07...	1310	4.1	47	.5	09...	1130	3.1	42	10.0
APR					SEP				
18...	1623	9.1	44	1.5	12...	1424	2.6	47	9.5

09032100 CABIN CREEK NEAR FRASER, CO

LOCATION.--Lat 39°59'09", long 105°44'40", in $NW^1/_4SE^1/_4$ sec.2, T.1 S., R.75 W., Grand County, Hydrologic Unit 14010001, on right bank 200 ft downstream from concrete diversion dam, 2.7 mi upstream from mouth, and 4.6 mi northeast of Fraser.

DRAINAGE AREA.--4.87 mi^2.

PERIOD OF RECORD.--October 1983 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 9,560 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversion upstream from station to Moffat water tunnel, amount unknown. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	e3.0	e2.4	e2.4	e2.0	e1.4	e1.2	e6.4	46	11	3.1	2.5
2	3.2	e3.5	e2.4	e2.4	e2.0	e1.3	e1.2	7.9	39	11	3.1	2.4
3	3.1	e3.9	e2.4	e2.4	e1.9	e1.2	e1.2	13	26	9.2	3.4	2.2
4	2.9	e3.9	e2.4	e2.4	e1.9	e1.2	e1.4	18	24	8.6	3.1	2.1
5	2.7	e3.9	e2.4	e2.4	e1.9	e1.2	e1.5	12	37	8.2	2.9	2.4
6	2.7	e3.8	e2.4	e2.4	e1.9	e1.2	e1.5	2.0	41	7.6	2.8	2.5
7	3.1	e3.6	e2.4	e2.4	e1.9	e1.2	e1.5	1.2	38	7.4	2.7	2.1
8	3.3	e3.4	e2.4	e2.4	e1.9	e1.2	e1.5	.94	35	7.1	2.6	2.6
9	3.0	e3.4	e2.4	e2.4	e1.9	e1.2	e1.5	.81	31	7.0	2.5	2.6
10	2.8	e3.4	e2.4	e2.4	e1.9	e1.2	e1.5	1.3	27	7.0	2.4	2.2
11	2.6	e3.3	e2.4	e2.4	e1.9	e1.2	e1.6	1.9	22	6.3	2.4	2.1
12	2.5	e3.3	e2.4	e2.4	e1.8	e1.2	e1.7	2.3	19	6.4	2.5	2.2
13	2.4	e3.3	e2.4	e2.4	e1.7	e1.2	e2.0	2.0	22	6.4	2.4	2.1
14	2.3	e3.2	e2.4	e2.4	e1.6	e1.2	e2.0	1.0	17	6.5	2.3	2.0
15	2.3	e3.2	e2.4	e2.4	e1.6	e1.2	e2.0	5.3	17	6.2	2.3	2.0
16	2.2	e3.2	e2.4	e2.4	e1.6	e1.2	e2.0	5.9	15	6.2	2.5	1.9
17	e2.3	e3.1	e2.4	e2.4	e1.6	e1.2	e2.0	2.6	19	6.8	2.7	1.8
18	e2.5	e3.1	e2.4	e2.4	e1.6	e1.2	e2.5	2.2	20	6.2	2.8	1.9
19	2.7	e3.1	e2.4	e2.4	e1.6	e1.2	e2.5	.68	20	5.2	2.4	1.9
20	e2.6	e3.0	e2.4	e2.4	e1.6	e1.2	e2.5	1.7	25	4.8	2.3	2.2
21	e2.5	e3.0	e2.4	e2.4	e1.5	e1.2	e2.5	2.9	14	4.6	2.3	2.8
22	e2.5	e3.0	e2.4	e2.4	e1.4	e1.2	e2.5	8.6	10	4.4	2.2	4.5
23	e2.4	e2.9	e2.4	e2.4	e1.4	e1.2	e2.7	20	10	4.2	2.1	3.1
24	e2.3	e2.9	e2.4	e2.4	e1.4	e1.2	e2.9	28	9.6	4.1	2.1	3.3
25	e2.2	e2.8	e2.4	e2.4	e1.4	e1.2	e3.1	33	9.8	4.0	2.0	4.2
26	e2.2	e2.8	e2.4	e2.2	e1.4	e1.2	e3.2	25	12	3.9	2.2	4.6
27	e2.1	e2.8	e2.4	e2.0	e1.4	e1.2	e4.0	24	11	3.8	2.0	4.2
28	e2.1	e2.7	e2.4	e2.0	e1.4	e1.2	e5.8	33	12	3.7	2.4	3.6
29	2.1	e2.6	e2.4	e2.0	e1.4	e1.2	6.7	50	12	3.4	3.8	3.5
30	e2.4	e2.5	e2.4	e2.0	---	e1.2	6.2	58	11	3.3	2.8	3.3
31	e2.6	---	e2.4	e2.0	---	e1.2	---	55	---	3.2	2.6	---
TOTAL	79.8	95.6	74.4	72.2	48.5	37.5	74.4	426.63	651.4	187.7	79.7	80.8
MEAN	2.57	3.19	2.40	2.33	1.67	1.21	2.48	13.8	21.7	6.05	2.57	2.69
MAX	3.3	3.9	2.4	2.4	2.0	1.4	6.7	58	46	11	3.8	4.6
MIN	2.1	2.5	2.4	2.0	1.4	1.2	1.2	.68	9.6	3.2	2.0	1.8
AC-FT	158	190	148	143	96	74	148	846	1290	372	158	160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2.77	2.22	1.62	1.34	1.11	1.14	1.82	10.7	32.7	13.2	4.82	3.10
MAX	6.11	3.49	2.40	2.33	1.67	1.60	2.75	25.5	70.3	46.6	8.05	5.12
(WY)	1997	1997	2000	2000	2000	1997	1997	1996	1997	1995	1984	1984
MIN	1.67	.48	.47	.59	.30	.12	.079	1.60	9.99	4.91	1.91	1.48
(WY)	1990	1985	1985	1985	1985	1985	1985	1985	1989	1994	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1984 - 2000	
ANNUAL TOTAL	2460.89		1908.63			
ANNUAL MEAN	6.74		5.21			
HIGHEST ANNUAL MEAN					11.2	1997
LOWEST ANNUAL MEAN					3.77	1989
HIGHEST DAILY MEAN	55	Jun 24	58	May 30	112	Jun 7 1997
LOWEST DAILY MEAN	.89	May 14	.68	May 19	.04	May 7 1985
ANNUAL SEVEN-DAY MINIMUM	1.1	May 8	1.2	Mar 3	.07	Apr 12 1985
INSTANTANEOUS PEAK FLOW			79	May 30	162	Jun 8 1997
INSTANTANEOUS PEAK STAGE			a1.95	May 30	b2.38	Jun 8 1997
ANNUAL RUNOFF (AC-FT)	4880		3790			
10 PERCENT EXCEEDS	12		11		15	
50 PERCENT EXCEEDS	2.4		2.4		2.1	
90 PERCENT EXCEEDS	1.3		1.2		1.0	

e Estimated.
a Maximum gage height, 2.38, April 28, backwater from ice.
b Maximum gage height, 2.39 ft, Jun 17, 1995.

395947105481000 HURD CREEK BELOW TRAIL CREEK NEAR TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°59'47", long 105°48'10", in $NW^1/_4NE^1/_4$ sec.5, T.1 S., R.75 W., Grand County, Hydrologic Unit 14010001, just below Trail Creek, and above pond, $^1/_4$ mile above Hurd Creek Fishing Club.

DRAINAGE AREA:--Not determined.

PERIOD OF RECORD.--November 1998 to current year.

REMARKS:--Nutrient analysis based on low-level methods.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non–ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV								
02...	1415	1.0	48	8.3	1.6	10.8	K1	.6
MAR								
23...	0900	1.8	52	7.7	.1	10.6	<1	.5
MAY								
17...	1115	44	24	7.9	3.2	10.4	K1	E.2
JUL								
20...	1215	2.0	37	8.0	12.7	7.8	K15	<.3

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV							
02...	<1	<.001	.005	<.002	<.050	<.006	<.001
MAR							
23...	<1	<.001	.054	<.002	<.008	<.006	.002
MAY							
17...	<10	.001	<.005	.008	.014	.004	<.001
JUL							
20...	<10	<.001	<.005	.005	E.007	E.003	.001

09033100 RANCH CREEK BELOW MEADOW CREEK NEAR TABERNASH, CO

LOCATION.--Lat 39°59'57", long 105°49'37", in NW $^1/_4$ NW $^1/_4$ sec.6. T.1 S., R.75 W., Grand County, Hydrologic Unit 14010001, on right bank about 400 ft downstream from Meadow Creek, 0.75 mi northeast of Tabernash, and 4500 ft above mouth.

DRAINAGE AREA.--65.7 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1997 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,350 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion upstream from station for irrigation of hay meadows in Fraser River Valley. Transmountain diversion upstream from station to Moffat Water Tunnel not known since 1959.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e44	e9.2	e11	e11	e12	e9.2	e18	86	315	20	8.0	7.4
2	e36	e9.4	e11	e11	e12	e9.2	e21	93	259	19	8.3	7.0
3	e28	e10	e11	e11	e12	e9.2	e21	112	198	20	8.3	6.0
4	e23	e11	e11	e11	e12	e9.2	e21	132	158	18	8.0	5.8
5	e20	e11	e11	e11	e12	e9.2	e21	147	191	16	7.4	5.4
6	e20	e11	e11	e11	e12	e9.2	e23	141	192	15	7.0	6.0
7	e25	e11	e11	e11	e12	e9.2	e23	134	173	15	6.4	5.8
8	e25	e11	e11	e11	e12	e9.2	e23	133	160	15	6.2	6.2
9	e22	e11	e11	e11	e12	e9.2	e25	123	103	15	5.8	6.8
10	e20	e11	e11	e11	e12	e9.2	e25	120	103	17	4.8	5.7
11	e15	e11	e11	e11	e11	e9.2	e25	134	101	14	4.8	5.2
12	e13	e11	e11	e11	e11	e10	e25	125	92	13	5.1	4.9
13	e12	e11	e11	e11	e11	e10	e25	107	95	13	5.3	4.9
14	e11	e11	e11	e11	e11	e10	e28	107	100	13	4.6	4.8
15	e11	e11	e11	e11	e11	e10	e28	111	97	13	5.0	4.7
16	e10	e11	e11	e11	e11	e10	e28	122	92	13	5.1	4.5
17	e10	e11	e11	e11	e11	e12	e30	130	91	16	5.2	4.5
18	e11	e11	e11	e11	e11	e12	e32	116	86	16	6.5	4.5
19	e12	e11	e11	e11	e11	e12	e38	112	84	12	5.9	4.6
20	e12	e11	e11	e11	e11	e12	34	87	85	10	5.4	5.0
21	e12	e11	e11	e12	e10	e12	39	77	58	9.5	5.4	6.4
22	e11	e11	e11	e12	e10	e12	38	91	50	9.4	5.1	13
23	e11	e11	e11	e12	e10	e12	45	132	38	9.0	5.0	9.4
24	e11	e11	e11	e12	e10	e14	42	201	27	9.0	4.7	9.9
25	e12	e11	e11	e12	e10	e14	44	237	25	9.1	4.6	9.8
26	e11	e11	e11	e12	e10	e14	69	210	27	8.7	5.0	10
27	e10	e11	e11	e12	e10	e16	e82	172	39	8.9	5.6	8.7
28	e11	e11	e11	e12	e9.2	e16	93	193	57	9.0	9.3	7.7
29	e8.6	e11	e11	e12	e9.2	e18	92	296	54	8.5	20	7.4
30	e9.0	e11	e11	e12	---	e18	96	321	42	8.2	9.7	8.1
31	e8.8	---	e11	e12	---	e18	---	327	---	8.0	9.3	---
TOTAL	495.4	325.6	341	352	318.4	363.2	1154	4629	3192	400.3	206.8	200.1
MEAN	16.0	10.9	11.0	11.4	11.0	11.7	38.5	149	106	12.9	6.67	6.67
MAX	44	11	11	12	12	18	96	327	315	20	20	13
MIN	8.6	9.2	11	11	9.2	9.2	18	77	25	8.0	4.6	4.5
AC-FT	983	646	676	698	632	720	2290	9180	6330	794	410	397

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	14.1	12.2	13.6	12.5	9.72	10.6	30.6	128	201	29.3	16.4	13.1
MAX	16.0	13.8	15.8	13.3	11.0	11.9	38.5	187	429	56.2	23.9	25.9
(WY)	2000	1999	1999	1999	2000	1998	2000	1997	1997	1997	1999	1999
MIN	12.0	10.9	11.0	11.4	8.70	8.19	25.2	68.1	106	12.9	6.67	6.67
(WY)	1998	2000	2000	2000	1999	1999	1998	1999	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1997 - 2000	
ANNUAL TOTAL	12061.9		11977.8			
ANNUAL MEAN	33.0		32.7		32.2	
HIGHEST ANNUAL MEAN					33.6	1999
LOWEST ANNUAL MEAN					30.2	1998
HIGHEST DAILY MEAN	232	Jun 18	327	May 31	718	Jun 7 1997
LOWEST DAILY MEAN	5.8	Mar 11	4.5	Sep 16	4.5	Sep 16 2000
ANNUAL SEVEN-DAY MINIMUM	6.0	Mar 7	4.6	Sep 13	4.6	Sep 13 2000
INSTANTANEOUS PEAK FLOW			404	May 30	763	Jun 9 1997
INSTANTANEOUS PEAK STAGE			6.33	May 30	7.18	Jun 9 1997
ANNUAL RUNOFF (AC-FT)	23920		23760		23290	
10 PERCENT EXCEEDS	92		102		123	
50 PERCENT EXCEEDS	14		11		14	
90 PERCENT EXCEEDS	8.7		6.3		8.9	

e Estimated.

09033100 RANCH CREEK BELOW MEADOW CREEK NEAR TABERNASH, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1997 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
NOV 02...	1515	9.2	74	8.1	2.2	10.3	K2	.6
JAN 25...	1120	12	66	7.4	.3	10.6	K1	.3
MAR 29...	1320	18	70	7.8	.4	10.2	<1	.7
MAY 18...	0915	120	33	8.0	1.7	10.4	K3	.3
JUL 20...	1250	12	92	8.5	20.2	7.6	K15	.8
SEP 11...	1300	5.4	120	8.4	14.0	8.6	<1	.8

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
NOV 02...	2	<.001	<.005	<.002	--	E.030	.006	<.001
JAN 25...	2	<.001	.074	<.002	--	<.050	.009	.002
MAR 29...	2	<.001	.062	<.002	--	.023	.011	.009
MAY 18...	<10	<.001	<.005	<.002	--	.023	.009	.002
JUL 20...	<10	.001	<.005	.002	--	.033	.022	.013
SEP 11...	<10	<.001	<.005	.002	.25	.042	.027	.018

395612105563700 CROOKED CREEK BELOW PTARMIGAN CREEK NEAR TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°56'12", long 105°56'37", NE$^1/_4$NE$^1/_4$ sec.25, T.1 S., R.77 W., Grand County, Hydrologic Unit 14010001, approximately 200 ft below the confluence with Ptarmigan Creek, and 6.5 mi southwest of Tabernash.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--July to September 2000.

REMARKS:--Nutrient analysis based on low-level methods.

Note:-- The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non–ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL								
18...	1205	1.2	113	8.2	13.8	7.3	80	<.3
SEP								
13...	0900	.16	156	8.3	7.4	8.0	K8	.4

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
JUL							
18...	<10	.001	<.005	.005	.018	.009	.006
SEP							
13...	<10	.001	<.005	.003	.014	.006	.004

395634105532401 CROOKED CREEK BELOW TIPPERARY CREEK NEAR TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°56'34", long 105°53'24", NE$^{1}/_{4}$SE$^{1}/_{4}$ sec.21, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, approximately 0.5 mi below the confluence with Tipperary Creek, and 4 mi west of Fraser.

PERIOD OF RECORD.--June 1997 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT								
20...	1630	1.9	174	8.0	5.0	9.7	K1	E.3
NOV								
03...	1330	1.6	172	8.3	4.0	10.1	<1	.3
DEC								
08...	1545	1.5	181	8.3	.1	10.1	K1	E.2
JAN								
19...	1520	1.6	179	8.8	.1	11.3	<1	.5
FEB								
16...	0945	1.5	177	8.1	.1	11.7	K1	E.3
MAR								
22...	1030	1.5	191	7.8	.1	10.6	<1	.3
APR								
20...	0920	6.7	148	8.0	.9	10.6	K1	.5
MAY								
17...	0950	31	95	8.0	3.2	9.6	<1	E.3
JUN								
13...	1415	17	108	8.0	10.5	8.4	K3	E.2
JUL								
18...	1310	5.6	143	8.0	16.5	7.7	20	E.2
AUG								
16...	0930	2.0	191	8.0	14.6	7.4	24	E.2
SEP								
13...	1020	1.4	193	8.2	11.3	8.0	K1	.4

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT							
20...	3	<.001	<.005	<.002	E.033	.010	<.001
NOV							
03...	<1	<.001	<.005	<.002	E.033	E.003	<.001
DEC							
08...	2	<.001	<.005	<.002	.019	.006	<.001
JAN							
19...	1	<.001	.026	.009	.016	E.004	.001
FEB							
16...	2	<.001	.022	.011	.016	E.004	.003
MAR							
22...	<1	<.001	.024	.012	.012	E.004	.009
APR							
20...	4	.001	.102	.004	.041	.021	.014
MAY							
17...	<10	<.001	<.005	<.002	.022	.008	.004
JUN							
13...	<10	<.001	<.005	.008	.015	.007	.006
JUL							
18...	<10	.001	<.005	.003	.031	.012	.008
AUG							
16...	<10	.001	<.005	.003	.043	.011	.007
SEP							
13...	<10	.001	<.005	.012	.036	.010	.008

395927105505700 CROOKED CREEK ABOVE POLE CREEK AT TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°59'27", long 105°50'57", SW1/4NW1/4 sec.1, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, approximately 0.25 mi above the confluence with Pole Creek, and 4.5 mi west of Fraser.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1999 to September 2000.

REMARKS:--Nutrient analysis based on low-level methods.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT								
21...	0945	1.8	217	7.8	1.4	10.1	24	3.3
NOV								
03...	1530	2.4	223	8.4	2.3	10.2	K7	3.2
DEC								
09...	1050	3.2	226	8.4	.1	10.0	K1	3.3
JAN								
19...	1615	2.0	211	8.0	.1	10.8	K3	4.0
FEB								
16...	1120	4.5	215	7.8	.1	11.2	K1	2.1
MAR								
22...	1120	5.9	219	7.8	.0	11.0	K1	2.6
APR								
20...	1045	13	173	7.9	2.0	10.4	K1	1.7
MAY								
17...	1445	39	115	7.9	3.5	9.9	K3	.7
JUN								
14...	0850	15	191	8.2	8.9	8.1	>120	1.1
JUL								
18...	1400	8.6	222	8.4	18.9	7.2	>240	2.7
AUG								
16...	1120	4.1	241	8.2	15.9	7.0	130	5.2
SEP								
13...	1215	1.5	240	8.1	13.0	8.9	K13	4.6

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT							
21...	4	<.001	<.005	<.002	E.039	.012	<.001
NOV							
03...	8	<.001	<.005	<.002	E.043	.011	.002
DEC							
09...	1	.001	.054	.004	.026	.009	.005
JAN							
19...	2	.003	.191	.026	.033	.015	.015
FEB							
16...	2	.001	.105	.021	.031	.011	.009
MAR							
22...	9	<.001	.069	.010	.036	.008	.008
APR							
20...	7	.002	.099	.014	.052	.020	.010
MAY							
17...	10	<.001	<.005	.007	.035	.015	.010
JUN							
14...	<10	<.001	<.005	.009	.042	.022	.018
JUL							
18...	<10	.001	<.005	.008	.069	.031	.019
AUG							
16...	<10	.001	<.005	.003	.073	.027	.023
SEP							
13...	<10	.001	<.005	<.002	.059	.022	.016

395901105550800 POLE CREEK AT UPPER STATION NEAR TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°59'01", long 105°55'08", SE$^1/_4$SW$^1/_4$ sec.6, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, approximately 5 mi upstream from confluence with the Fraser River, and 4 mi west of Tabernash.

PERIOD OF RECORD.--February 1997 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT								
21...	1030	.83	111	8.4	.5	10.2	<1	.6
NOV								
03...	1130	.87	115	8.3	.4	10.4	<1	.4
DEC								
08...	1430	.10	117	8.3	.0	9.2	<1	E.3
MAR								
29...	1550	1.0	141	7.8	.4	11.7	<1	.5
APR								
19...	1515	5.8	116	7.8	.2	10.4	K8	.7
MAY								
17...	0850	20	65	8.1	3.9	9.4	K2	E.3
JUN								
13...	1245	4.9	71	8.1	10.1	8.8	K7	E.2
JUL								
20...	1005	.30	149	7.8	11.6	7.7	>240	.4
AUG								
16...	1230	8.3	195	8.3	15.2	6.7	48	.5
SEP								
13...	1330	.07	139	7.7	11.2	8.5	K2	.4

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT							
21...	2	<.001	.005	<.002	E.048	.023	.010
NOV							
03...	2	<.001	<.005	<.002	.055	.024	.012
DEC							
08...	1	.001	.012	.006	.039	.015	.010
MAR							
29...	2	<.001	.068	.011	.056	.017	.019
APR							
19...	6	.001	.090	.007	.051	.017	.008
MAY							
17...	<10	<.001	<.005	<.002	.033	.017	.013
JUN							
13...	<10	<.001	<.005	.009	.035	.022	.020
JUL							
20...	<10	.001	.009	.010	.061	.027	.019
AUG							
16...	<10	.001	<.005	.003	.065	.027	.024
SEP							
13...	<10	.002	.005	.030	.099	.051	.045

395930105510700 POLE CREEK AT MOUTH NEAR TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°59'30", long 105°51'07", $SE^1/_4NE^1/_4$ sec.2, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, approximately 0.25 mi upstream from the confluence with Crooked Creek, and 0.5 mi west of Tabernash.

PERIOD OF RECORD.--February 1997 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT								
21...	0900	1.1	272	8.2	.4	9.6	K1	2.2
NOV								
03...	1500	4.7	260	8.4	2.4	10.5	K1	2.4
DEC								
09...	0925	.76	274	7.8	.2	9.2	K1	2.4
JAN								
26...	0950	2.0	255	8.1	.8	9.6	K7	1.9
FEB								
16...	1040	1.9	264	8.0	.1	10.8	K1	1.8
MAR								
22...	1215	2.3	268	7.8	.2	10.7	K1	2.5
APR								
19...	1610	13	175	8.3	.2	11.7	K1	2.0
MAY								
17...	1350	40	120	8.0	5.2	9.4	K2	.8
JUN								
13...	1545	2.6	229	8.2	17.5	7.6	K2	1.3
JUL								
20...	1050	1.6	287	8.2	15.1	7.7	34	2.7
AUG								
16...	1030	.76	322	8.0	15.1	6.8	110	1.5
SEP								
13...	1115	.29	316	8.3	11.1	8.0	K1	2.1

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT							
21...	4	<.001	.009	<.002	E.046	.017	.004
NOV							
03...	<1	<.001	<.005	<.002	.061	.014	<.001
DEC							
09...	<1	.002	.130	.011	.032	.011	.007
JAN							
26...	2	.004	.240	.039	.050	.017	.011
FEB							
16...	3	.003	.270	.046	.038	.014	.013
MAR							
22...	1	.001	.237	.013	.036	.017	.015
APR							
19...	7	.002	.101	.016	.091	.044	.029
MAY							
17...	<10	<.001	.010	.005	.047	.026	.020
JUN							
13...	<10	.001	.009	.024	.075	.042	.035
JUL							
20...	12	.001	.021	.014	.093	.038	.027
AUG							
16...	<10	.001	<.005	.007	.085	.039	.032
SEP							
13...	<10	<.001	.010	.061	.067	.031	.027

09033300 FRASER RIVER BELOW CROOKED CREEK AT TABERNASH, CO

LOCATION.--Lat 40°00'21", long 105°50'52", in $SE^1/_4NE^1/_4$ sec.36, T.1 N., R.76 W., Grand County, Hydrologic Unit 14010001, on left bank 600 ft downstream from Crooked Creek, and 1 mi north of Tabernash.

DRAINAGE AREA.--224 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,270 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station to Moffat water tunnel, amount unknown.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	e44	e35	e35	e37	e42	e70	203	827	113	52	60
2	83	e42	e35	e35	e37	e43	e80	218	663	106	54	55
3	80	e40	e35	e34	e38	e43	e90	258	526	107	54	47
4	78	e33	e35	e34	e38	e44	e100	294	436	97	52	48
5	77	e33	e35	e33	e38	e44	e110	331	510	87	51	49
6	76	e33	e35	e33	e38	e45	e110	335	472	82	51	54
7	91	e33	e35	e33	e39	e46	102	327	452	80	56	50
8	95	e33	e35	e32	e39	e46	113	351	400	81	53	56
9	92	e33	e35	e31	e39	e47	e120	311	276	86	49	67
10	90	e33	e35	e32	e39	e47	e129	288	256	100	46	52
11	83	e33	e34	e34	e39	e48	e120	312	244	82	47	47
12	67	e33	e34	e34	e39	e48	e118	294	215	77	47	44
13	65	e33	e33	e35	e39	e49	e116	243	207	78	48	44
14	62	e33	e32	e35	e40	e49	e115	233	200	76	48	46
15	61	e33	e31	e35	e40	e50	e116	234	188	85	46	44
16	61	e34	e31	e37	e40	e50	121	251	174	90	45	37
17	56	e34	e32	e38	e40	e51	144	279	188	128	53	35
18	e58	e34	e32	e37	e40	e51	158	266	266	103	72	35
19	e58	e34	e32	e37	e40	e52	126	268	284	84	60	33
20	e57	e34	e33	e37	e39	e52	114	237	434	76	50	35
21	e57	e34	e34	e37	e39	e53	128	210	289	65	46	e40
22	e57	e34	e34	e37	e40	e53	127	223	231	62	39	e80
23	e57	e34	e35	e37	e40	e53	143	290	157	60	39	e43
24	e57	e34	e35	e37	e42	e55	154	404	133	59	38	e45
25	e57	e34	e35	e37	e41	e57	164	505	131	60	38	e40
26	e57	e34	e35	e38	e41	e59	286	448	147	59	43	e41
27	e58	e34	e35	e38	e41	e60	262	410	204	58	47	e40
28	e58	e34	e35	e38	e41	e61	255	403	228	57	58	e40
29	e58	e34	e35	e37	e42	e63	233	542	239	54	116	e39
30	e51	e34	e35	e37	---	e64	243	724	199	53	85	e42
31	e46	---	e35	e37	---	e66	---	798	---	52	75	---
TOTAL	2089	1032	1057	1101	1145	1591	4267	10490	9176	2457	1658	1388
MEAN	67.4	34.4	34.1	35.5	39.5	51.3	142	338	306	79.3	53.5	46.3
MAX	95	44	35	38	42	66	286	798	827	128	116	80
MIN	46	33	31	31	37	42	70	203	131	52	38	33
AC-FT	4140	2050	2100	2180	2270	3160	8460	20810	18200	4870	3290	2750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	55.0	38.7	40.4	37.4	40.3	56.9	121	256	447	107	94.9	61.6
MAX	67.4	43.1	46.6	39.2	41.1	62.4	142	338	589	135	136	77.0
(WY)	2000	1999	1999	1999	1999	1999	2000	2000	1999	1999	1999	1999
MIN	42.7	34.4	34.1	35.5	39.5	51.3	99.1	175	306	79.3	53.5	46.3
(WY)	1999	2000	2000	2000	2000	2000	1999	1999	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	45233		37451			
ANNUAL MEAN	124		102		113	
HIGHEST ANNUAL MEAN					124	1999
LOWEST ANNUAL MEAN					102	2000
HIGHEST DAILY MEAN	894	Jun 23	827	Jun 1	894	Jun 23 1999
LOWEST DAILY MEAN	e29	Mar 7	e31	Dec 15	e29	Mar 7 1999
ANNUAL SEVEN-DAY MINIMUM	e31	Mar 4	e32	Dec 13	e31	Mar 4 1999
INSTANTANEOUS PEAK FLOW			1040	Jun 1	1040	Jun 1 2000
INSTANTANEOUS PEAK STAGE			5.33	Jun 1	5.33	Jun 1 2000
ANNUAL RUNOFF (AC-FT)	89720		74280		81830	
10 PERCENT EXCEEDS	256		259		258	
50 PERCENT EXCEEDS	71		52		55	
90 PERCENT EXCEEDS	34		34		35	

e Estimated.

09033300 FRASER RIVER BELOW CROOKED CREEK AT TABERNASH, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1990 to September 1994, published as site number (400009105504600). September 1998 to current year.

REMARKS.--Nutrient samples based on low-level methods.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
NOV												
04...	1015	31	130	8.5	.2	11.3	K4	56	17.9	2.75	5.1	.3
JAN												
20...	1215	37	119	7.8	.1	10.8	17	46	14.3	2.59	5.4	.3
MAR												
30...	1030	64	145	8.1	.6	11.0	K3	53	16.1	3.06	7.0	.4
MAY												
16...	1115	244	75	8.6	7.7	9.6	K1	33	10.4	1.64	3.1	.2
JUL												
17...	1140	132	105	8.5	16.4	8.4	120	43	13.5	2.36	4.0	.3
SEP												
12...	1000	42	108	8.5	9.4	9.5	19	46	14.0	2.53	4.4	.3

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
NOV											
04...	1.5	3.4	4.2	.2	15.4	92	87	.13	7.70	.005	.155
JAN											
20...	1.6	3.0	4.3	.2	14.6	81	78	.11	8.03	.006	.442
MAR											
30...	3.2	4.1	9.1	.2	14.1	96	93	.13	16.5	.006	.502
MAY											
16...	1.0	2.4	2.3	.1	10.8	66	53	.09	43.5	.001	.016
JUL											
17...	1.2	2.0	4.1	.3	11.4	76	67	.10	27.1	.006	.043
SEP											
12...	1.2	2.7	3.8	.3	11.5	71	70	.10	8.03	.006	.104

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
NOV											
04...	.030	.11	.29	.14	.047	.025	.013	2.2	.3	200	41
JAN											
20...	.156	.13	.33	.28	.094	.057	.046	1.8	.2	90	33
MAR											
30...	.228	.27	.74	.50	.173	.082	.075	5.2	.7	220	50
MAY											
16...	.013	.20	.28	.21	.041	.020	.044	6.3	.4	130	15
JUL											
17...	.020	.23	.38	.25	.080	.043	.027	4.6	.3	210	23
SEP											
12...	.006	.17	.26	.18	.064	.038	.030	3.2	.2	350	36

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
APR				
06...	1100	109	144	1.5
20...	1255	104	138	5.0
JUN				
13...	1205	207	78	10.0
AUG				
15...	1500	46	108	18.0

09033300 FRASER RIVER BELOW CROOKED CREEK NEAR TABERNASH, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV					
04...	1015	31	.2	4	.33
JAN					
20...	1215	37	.1	3	.33
MAR					
30...	1030	64	.6	14	2.4
MAY					
16...	1115	244	7.7	10	6.7

400453105554200 FRASER RIVER AT HWY 40, AT GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°04'53", long 105°55'42", $SW^1/_4NW^1/_4$ sec.6, T.1 N., R.76 W., Grand County, Hydrologic Unit 14010001, approximately 3 mi above the confluence with the Colorado River, and 0.6 mi southeast of Granby.

PERIOD OF RECORD.--November 1999 to September 2000.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV								
03...	1010	32	124	8.0	.2	11.5	K1	--
JAN								
25...	1500	31	115	8.0	.2	11.0	K3	3.6
MAR								
23...	1215	53	126	7.9	.0	11.8	K1	6.6
MAY								
16...	1320	360	68	8.2	9.7	9.6	K1	2.2
JUL								
20...	0910	178	111	8.2	13.7	8.2	47	4.6
SEP								
12...	1215	37	120	8.5	13.3	8.9	K8	3.6

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV							
03...	--	.005	.589	.073	.096	.062	.058
JAN							
25...	2	.005	.414	.111	.076	.055	.043
MAR							
23...	1	.005	.589	.073	.096	.062	.058
MAY							
16...	<10	<.001	<.005	.007	.040	.016	.010
JUL							
20...	<10	.001	.006	<.002	.052	.028	.016
SEP							
12...	<10	.001	.012	.006	.060	.039	.029

400207105565900 TEN MILE CREEK ABOVE POND ABOVE EIGHT MILE CREEK NEAR GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°02'07", long 105°56'59", $SE^1/_4NE^1/_4$ sec. 19, T.1 N., R.76 W., Grand County, Hydrologic Unit 14010001, approximately 0.5 mi above the confluence with Eight Mile Creek, and 3.5 mi southeast of Granby.

PERIOD OF RECORD.--November 1999 to September 2000.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV								
03...	1630	1.5	294	8.4	2.9	11.0	17	2.4
JAN								
25...	1330	.73	263	8.5	.3	10.4	K5	2.2
MAR								
23...	1000	.92	273	7.9	.6	10.6	K1	4.6
MAY								
16...	1520	17	156	8.3	13.2	8.7	K1	1.8
JUL								
19...	1530	2.1	300	8.3	18.9	7.6	>240	4.0
SEP								
12...	1430	.84	--	8.5	15.0	9.3	--	4.2

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV							
03...	5	.001	.019	<.002	.080	.036	.023
JAN							
25...	1	.002	.140	.060	.070	.030	.023
MAR							
23...	5	.001	.171	.042	.065	.031	.030
MAY							
16...	17	<.001	.005	.005	.075	.038	.034
JUL							
19...	14	.001	.011	.012	.150	.078	.059
SEP							
12...	<10	.001	<.005	.009	.107	.067	.054

400352105550700 TEN MILE CREEK NEAR GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°03'21", long 105°55'07", NE1/4SE1/4 sec. 8, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, approximately 3 mi below the confluence with Nine Mile Creek, and 1 mi east of Granby.

PERIOD OF RECORD.--November 1998 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV								
03...	0900	2.2	344	8.4	2.7	10.2	<1	3.3
JAN								
25...	1220	2.9	279	8.3	1.0	8.9	K9	2.9
MAR								
23...	1115	3.9	316	7.7	2.7	10.2	<1	5.0
MAY								
16...	1420	33	153	8.2	12.3	8.4	31	1.4
JUL								
19...	1435	3.9	369	8.7	23.2	9.4	330	7.6
SEP								
12...	1345	.86	330	9.0	19.0	12.4	--	4.3

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV								
03...	3	<.001	<.005	<.002	--	.063	.023	.012
JAN								
25...	5	.005	.128	.119	--	.101	.024	.016
MAR								
23...	11	.002	.150	.082	--	.106	.029	.025
MAY								
16...	32	<.001	<.005	.017	--	.106	.079	.061
JUL								
19...	24	.001	.006	.010	--	.175	.077	.048
SEP								
12...	<10	.002	<.005	.015	.84	.084	.053	.033

09034250 COLORADO RIVER AT WINDY GAP NEAR GRANBY, CO

LOCATION.--Lat 40°06'30", long 106°00'13" in $NW^1/_4$ sec.27, T.2 N., R.77 W., Grand County, Hydrologic Unit 14010001, on right bank 300 ft downstream from county highway bridge, 1.1 mi downstream from Windy Gap diversion dam, 2.4 mi downstream from mouth of Fraser River, and 3.8 mi northwest of Granby.

DRAINAGE AREA.--789 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1981 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,790 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, and diversions for irrigation.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	596	214	71	e75	e86	e89	112	670	2180	325	153	116
2	592	185	91	e89	e85	e89	120	734	1910	293	141	97
3	590	120	82	e79	e87	89	123	839	1380	281	129	90
4	660	163	e91	e84	e71	95	113	962	807	271	126	88
5	742	171	e86	e84	e92	86	184	1100	851	239	111	87
6	724	178	e80	e86	e89	82	276	1220	806	221	110	85
7	601	179	e80	e80	e80	82	266	1230	616	226	110	85
8	610	181	e71	e84	e82	79	251	1270	548	233	115	71
9	605	188	e82	e84	e82	76	283	1170	462	258	112	69
10	599	171	e71	e77	e82	76	300	977	392	289	95	70
11	498	175	e95	e77	e94	76	323	908	425	267	106	64
12	179	182	e74	e83	e85	70	335	898	418	243	102	54
13	187	180	e79	e86	e80	67	346	810	515	236	95	54
14	187	182	e81	e82	e89	73	354	781	703	243	96	54
15	179	180	e67	e82	e87	74	367	653	579	240	103	54
16	187	130	e88	e82	e85	84	300	429	508	266	109	54
17	176	165	e83	e80	e85	88	312	404	383	340	109	54
18	172	164	e76	e91	e85	77	353	442	405	314	126	53
19	212	100	e87	e89	e85	70	321	417	459	269	129	46
20	181	99	e82	e89	e85	64	283	403	833	230	129	46
21	178	119	e82	e84	e83	71	293	365	773	197	105	48
22	178	95	e79	e80	e83	87	299	350	628	230	111	79
23	187	91	e90	e93	e87	83	336	386	552	201	99	98
24	180	61	e80	e83	e88	96	472	511	520	185	85	80
25	171	63	e75	e88	e89	99	416	721	493	232	85	74
26	190	66	e78	e89	e89	109	504	775	462	194	88	73
27	176	98	e82	e88	e89	121	592	1160	412	193	95	60
28	175	95	e82	e84	e90	133	625	1030	434	179	104	54
29	232	82	e91	e79	e89	133	636	1100	396	174	134	47
30	212	94	e76	e81	---	137	666	1280	380	169	143	63
31	204	---	e70	e77	---	136	---	1840	---	173	130	---
TOTAL	10560	4171	2502	2589	2483	2791	10161	25835	20230	7411	3485	2067
MEAN	341	139	80.7	83.5	85.6	90.0	339	833	674	239	112	68.9
MAX	742	214	95	93	94	137	666	1840	2180	340	153	116
MIN	171	61	67	75	71	64	112	350	380	169	85	46
AC-FT	20950	8270	4960	5140	4930	5540	20150	51240	40130	14700	6910	4100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	116	105	81.4	79.4	79.2	116	312	697	997	547	186	119
MAX	341	188	120	110	110	260	881	2326	2997	2096	509	384
(WY)	2000	1986	1985	1985	1985	1984	1996	1984	1984	1983	1997	1999
MIN	59.9	76.5	64.3	59.0	63.5	75.8	132	138	186	172	106	65.4
(WY)	1982	1982	1982	1989	1982	1983	1983	1992	1990	1989	1989	1989

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1982 - 2000	
ANNUAL TOTAL	115937		94285			
ANNUAL MEAN	318		258		287	
HIGHEST ANNUAL MEAN					726	1984
LOWEST ANNUAL MEAN					122	1989
HIGHEST DAILY MEAN	1920	Jun 26	2180	Jun 1	4930	May 25 1984
LOWEST DAILY MEAN	61	Nov 24	46	Sep 19	38	Dec 20 1995
ANNUAL SEVEN-DAY MINIMUM	74	Jan 26	51	Sep 15	51	Oct 1 1981
INSTANTANEOUS PEAK FLOW			2330	Jun 1	5260	May 25 1984
INSTANTANEOUS PEAK STAGE			5.63	Jun 1	7.34	May 25 1984
ANNUAL RUNOFF (AC-FT)	230000		187000		207800	
10 PERCENT EXCEEDS	790		630		666	
50 PERCENT EXCEEDS	179		120		110	
90 PERCENT EXCEEDS	76		74		70	

e Estimated.

09034250 COLORADO RIVER AT WINDY GAP NEAR GRANBY, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1994 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboaratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
OCT 12...	1220	181	82	8.9	8.3	10.6	35	10.7	1.93	3.5	.3
APR 12...	1245	277	140	8.5	5.0	12.0	54	16.5	3.16	6.8	.4
AUG 23...	1400	91	126	8.9	18.0	7.5	54	16.7	2.90	6.4	.4

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT 12...	1.0	40	3.2	1.4	.2	7.7	54	.07	26.2	3	<.010
APR 12...	3.0	60	7.3	3.7	.1	11.0	89	.12	66.2	8	<.010
AUG 23...	1.5	62	2.9	2.7	.2	10.6	82	.11	20.1	<10	<.010

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)
OCT 12...	<.050	<.020	--	.16	.13	E.036	<.050	.011	<1	<3	<2.0
APR 12...	.148	.032	.40	.54	.43	.089	E.036	.028	<1	<3	<2.0
AUG 23...	<.050	<.020	--	.27	.26	.064	E.036	.030	<1	<3	<2.0

DATE	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
OCT 12...	10	<2	<.1	<.1	<1	<.8	<1	<1	100	<1	<1
APR 12...	20	<2	<.1	<.1	<1	<.8	E1	E1	260	<1	<1
AUG 23...	15	<2	<.1	<.1	--	<.8	<1	<1	260	<1	<1

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT 12...	18	<.3	<.1	<2	<1	<3	<2.4	<1	<1	<31	<20
APR 12...	61	<.3	<.2	<2	<1	<3	<2.4	<1	<1	<31	<20
AUG 23...	28	<.3	<.2	<1	<1	<1	<.7	<1	<1	<1	<1

09034250 COLORADO RIVER AT WINDY GAP NEAR GRANBY, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
NOV					MAY				
04...	1254	176	115	4.5	18...	1158	423	92	5.0
JAN					JUN				
12...	1610	74	118	.0	13...	1229	381	99	12.1
MAR					JUL				
08...	0912	86	140	.5	11...	1228	268	133	18.0
APR					AUG				
19...	0830	317	135	4.5	08...	0918	112	133	17.5

09034900 BOBTAIL CREEK NEAR JONES PASS, CO

LOCATION.--Lat 39°45'37", long 105°54'21", in sec.28, T.3 S., R.76 W., Grand County, Hydrologic Unit 14010001, on left bank 320 ft upstream from diversion dam and 0.4 mi south of entrance to August P. Gumlick Tunnel.

DRAINAGE AREA.--5.49 mi^2.

PERIOD OF RECORD.--October 1965 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 10,430 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	e2.2	e1.5	e1.1	e.84	e.70	e.72	4.5	85	25	6.0	9.6
2	2.4	e2.1	e1.5	e1.1	e.84	e.72	e.74	5.3	75	24	5.6	8.1
3	e2.4	e2.2	e1.4	e1.2	e.84	e.68	e.74	14	72	23	5.6	7.3
4	e2.4	e2.3	e1.4	e1.1	e.84	e.70	e.80	e20	72	22	5.4	6.8
5	e2.4	e2.1	e1.3	e1.1	e.84	e.70	e.86	e26	65	20	5.5	7.5
6	2.4	e2.1	e1.4	e1.2	e.84	e.70	e.93	e32	69	19	5.2	7.3
7	3.0	e2.2	e1.3	e1.1	e.84	e.70	e.88	40	68	17	4.7	6.6
8	e3.1	e2.2	e1.4	e.94	e.84	e.68	e.88	30	65	17	4.4	7.0
9	e2.8	e2.1	e1.5	e.98	e.84	e.70	e.96	16	62	19	4.2	6.3
10	2.5	e2.1	e1.4	e.94	e.84	e.68	e1.0	19	56	17	4.1	5.6
11	2.2	e2.0	e1.3	e.92	e.82	e.70	e.94	27	51	15	4.1	5.2
12	1.9	e1.9	e1.2	e.92	e.82	e.70	e.90	28	47	14	4.1	5.0
13	1.8	e1.9	e1.2	e.92	e.82	e.68	e.96	21	43	13	3.9	4.8
14	1.6	e1.9	e1.2	e.92	e.80	e.70	e1.1	15	40	16	3.8	4.5
15	1.5	e1.9	e1.2	e.92	e.78	e.70	e1.1	17	42	17	3.8	4.2
16	2.1	e1.8	e1.2	e.90	e.80	e.70	e1.0	24	39	18	4.1	4.0
17	e2.4	e1.8	e1.2	e.90	e.78	e.68	e1.1	22	34	23	4.4	3.8
18	e2.6	e1.8	e1.3	e.90	e.76	e.70	e1.2	15	32	20	5.4	3.9
19	e2.6	e1.7	e1.3	e.90	e.76	e.70	e1.1	13	36	16	4.7	3.7
20	e2.6	e1.8	e1.3	e.86	e.78	e.70	e1.0	13	40	14	4.2	4.1
21	e2.6	e1.8	e1.2	e.84	e.78	e.70	e1.1	13	33	13	4.1	4.9
22	e2.5	e1.7	e1.2	e.84	e.76	e.70	e1.1	22	32	11	4.0	7.5
23	e2.4	e1.6	e1.1	e.84	e.76	e.68	e1.3	45	30	10	3.7	5.1
24	e2.3	e1.4	e1.1	e.84	e.76	e.70	e1.3	60	28	9.6	4.4	5.2
25	e2.2	e1.5	e1.1	e.84	e.72	e.70	e1.2	59	29	8.8	5.4	6.4
26	e2.2	e1.6	e1.1	e.84	e.72	e.68	1.5	46	36	8.4	5.6	5.7
27	e2.2	e1.5	e1.1	e.84	e.74	e.68	2.9	40	34	7.9	5.1	5.1
28	e2.3	e1.5	e1.1	e.84	e.72	e.68	3.6	57	29	7.4	5.8	4.8
29	e2.3	e1.5	e1.1	e.84	e.72	e.74	4.4	85	27	6.9	13	4.9
30	e2.1	e1.5	e1.1	e.84	---	e.72	4.7	95	26	6.6	8.7	4.8
31	e2.2	---	e1.1	e.84	---	e.70	---	88	---	6.2	9.2	---
TOTAL	72.5	55.7	38.8	29.06	23.00	21.60	42.01	1011.8	1397	464.8	162.2	169.7
MEAN	2.34	1.86	1.25	.94	.79	.70	1.40	32.6	46.6	15.0	5.23	5.66
MAX	3.1	2.3	1.5	1.2	.84	.74	4.7	95	85	25	13	9.6
MIN	1.5	1.4	1.1	.84	.72	.68	.72	4.5	26	6.2	3.7	3.7
AC-FT	144	110	77	58	46	43	83	2010	2770	922	322	337

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3.00	1.72	1.09	.87	.78	.77	1.42	14.9	57.2	30.3	9.67	4.66
MAX	5.49	3.33	1.79	1.24	1.15	1.21	4.30	32.6	85.8	75.5	25.5	9.74
(WY)	1985	1984	1983	1983	1995	1995	1969	2000	1997	1995	1983	1983
MIN	1.51	1.03	.78	.58	.48	.52	.68	1.57	27.3	7.08	4.90	2.35
(WY)	1981	1974	1977	1972	1972	1972	1973	1995	1966	1977	1977	1987

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	3717.88		3488.17			
ANNUAL MEAN	10.2		9.53		10.5	
HIGHEST ANNUAL MEAN					15.5	1984
LOWEST ANNUAL MEAN					6.28	1977
HIGHEST DAILY MEAN	87	Jun 23	95	May 30	146	Jun 25 1983
LOWEST DAILY MEAN	e.60	Feb 12	e.68	Mar 3	.44	Feb 11 1972
ANNUAL SEVEN-DAY MINIMUM	e.65	Feb 11	e.69	Mar 22	.46	Feb 11 1972
INSTANTANEOUS PEAK FLOW			136	May 30	290	Jun 28 1988
INSTANTANEOUS PEAK STAGE			a4.61	May 30	b5.19	Jun 28 1988
ANNUAL RUNOFF (AC-FT)	7370		6920		7640	
10 PERCENT EXCEEDS	33		30		33	
50 PERCENT EXCEEDS	1.9		2.2		2.0	
90 PERCENT EXCEEDS	.72		.74		.70	

e Estimated.
a Maximum gage height, 5.15 ft, May 5, backwater from ice.
b Maximum gage height, 7.57 ft, May 15, 1984, backwater from ice.

09035500 WILLIAMS FORK BELOW STEELMAN CREEK, CO

LOCATION.--Lat 39°46'44", long 105°55'40", in sec.20, T.3 S., R.76 W., Grand County, Hydrologic Unit 14010001, on right bank 700 ft downstream from Steelman Creek and 6.5 mi southeast of Leal.

DRAINAGE AREA.--16.3 mi^2.

PERIOD OF RECORD.--July 1933 to September 1941, published as Williams River below Steelman Creek. October 1965 to current year. Monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Elevation of gage is 9,800 ft above sea level, from topographic map. Prior to July 21, 1933, nonrecording gage, and July 21, 1933 to Sept. 30, 1941, water-stage recorder at site 600 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station through August P. Gumlick Tunnel (station 09035000) since May 10, 1940. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	e6.2	e4.0	e3.5	e3.2	e2.9	e3.1	17	238	60	1.8	1.3
2	8.1	e6.0	e4.0	e3.5	e3.2	e2.9	e3.2	20	208	57	1.6	1.2
3	7.7	e6.2	e3.9	e3.5	e3.2	e3.0	e3.2	32	200	30	1.5	1.1
4	7.5	e6.4	e3.9	e3.6	e3.2	e2.9	e3.5	45	199	5.2	1.4	1.0
5	7.4	e6.0	e3.6	e3.5	e3.2	e3.0	e4.0	63	191	17	1.3	1.0
6	7.8	e6.0	e3.8	e3.5	e3.2	e3.0	e4.5	80	194	3.5	1.3	1.2
7	9.8	e6.2	e3.7	e3.5	e3.2	e3.0	e4.3	76	190	3.2	7.2	1.1
8	10	e6.2	e3.8	e3.5	e3.2	e3.0	e4.3	61	179	3.2	8.8	1.2
9	9.6	e5.9	e3.9	e3.4	e3.2	e2.9	e4.8	46	169	3.6	1.4	1.3
10	8.7	e5.9	e3.7	e3.4	e3.2	e3.0	e5.3	57	150	19	1.3	.99
11	7.9	e5.6	e3.6	e3.4	e3.2	e2.9	e5.0	72	133	3.1	1.3	.90
12	7.3	e5.4	e3.6	e3.4	e3.2	e2.9	e4.8	63	125	7.4	1.2	.86
13	6.9	e5.3	e3.6	e3.4	e3.2	e3.0	e5.6	49	113	2.6	1.2	.83
14	6.6	e5.4	e3.6	e3.4	e3.2	e2.9	e6.4	46	104	3.0	1.1	.78
15	6.3	e5.4	e3.6	e3.4	e3.2	e3.0	e6.3	49	106	2.9	1.1	.76
16	e6.6	e5.2	e3.6	e3.4	e3.1	e3.0	e5.4	64	100	3.0	1.3	.72
17	e6.6	e5.2	e3.6	e3.4	e3.2	e2.8	e6.3	63	88	16	1.3	.70
18	e6.6	e5.2	e3.6	e3.4	e3.2	e2.8	e7.4	47	e80	3.1	1.8	.77
19	e7.0	e4.8	e3.7	e3.4	e3.1	e3.0	e6.9	42	e88	2.4	1.4	.75
20	e6.6	e5.1	e3.7	e3.3	e3.1	e3.0	e6.4	41	e97	2.1	1.2	.91
21	e6.4	e5.2	e3.7	e3.3	e3.2	e3.0	e7.2	42	e85	2.0	1.2	1.5
22	e6.2	e5.0	e3.5	e3.3	e3.2	e3.0	e6.8	62	79	1.9	1.1	2.3
23	e6.2	e4.6	e3.5	e3.3	e3.2	e2.8	e7.4	119	74	1.8	.96	1.3
24	e6.2	e4.0	e3.5	e3.3	e3.2	e3.0	e7.4	165	71	8.9	.97	1.2
25	e6.2	e4.2	e3.5	e3.3	e3.2	e3.0	e6.3	164	72	2.2	1.3	5.6
26	e6.2	e4.3	e3.5	e3.3	e3.1	e2.8	7.9	128	90	1.9	1.6	4.7
27	e6.3	e4.2	e3.5	e3.3	e3.1	e2.8	13	111	81	1.9	1.3	1.3
28	e6.4	e4.1	e3.5	e3.3	e3.0	e2.9	15	149	71	1.8	1.2	1.2
29	e6.4	e4.0	e3.5	e3.3	e3.0	e3.1	17	223	65	1.7	3.2	3.0
30	e6.0	e4.0	e3.5	e3.2	---	e3.2	19	249	62	1.6	1.9	1.2
31	e6.2	---	e3.5	e3.2	---	e3.1	---	256	---	6.2	1.5	---
TOTAL	222.0	157.2	113.2	104.9	91.9	91.6	207.7	2701	3702	279.2	56.73	42.67
MEAN	7.16	5.24	3.65	3.38	3.17	2.95	6.92	87.1	123	9.01	1.83	1.42
MAX	10	6.4	4.0	3.6	3.2	3.2	19	256	238	60	8.8	5.6
MIN	6.0	4.0	3.5	3.2	3.0	2.8	3.1	17	62	1.6	.96	.70
AC-FT	440	312	225	208	182	182	412	5360	7340	554	113	85
a	0	0	0	0	0	0	0	0	0	1520	651	599

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	5.63	3.63	2.52	2.10	2.00	2.06	3.88	32.8	119	58.8	12.6	7.30
MAX	16.3	8.07	4.85	4.30	4.02	4.99	10.6	89.2	213	200	44.5	18.4
(WY)	1985	1938	1996	1939	1999	1985	1992	1936	1938	1995	1983	1984
MIN	.98	.58	.39	.31	.30	.35	.61	5.45	15.5	4.85	.70	.70
(WY)	1967	1987	1987	1978	1978	1987	1973	1991	1976	1968	1979	1979

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1933 - 2000	
ANNUAL TOTAL	9482.7		7770.10			
ANNUAL MEAN	26.0		b21.2		c26.7	
HIGHEST ANNUAL MEAN					39.0	1995
LOWEST ANNUAL MEAN					4.11	1976
HIGHEST DAILY MEAN	214	Jun 25	256	May 31	395	Jul 12 1995
LOWEST DAILY MEAN	e3.4	Feb 2	.70	Sep 17	.20	Mar 6 1967
ANNUAL SEVEN-DAY MINIMUM	e3.5	Dec 22	.76	Sep 13	.27	Feb 13 1971
INSTANTANEOUS PEAK FLOW			340	May 30	d516	Jul 11 1995
INSTANTANEOUS PEAK STAGE			4.92	May 30	f5.64	Jul 11 1995
ANNUAL RUNOFF (AC-FT)	18810		b15410		c19340	
10 PERCENT EXCEEDS	86		73		70	
50 PERCENT EXCEEDS	6.0		3.6		3.7	
90 PERCENT EXCEEDS	3.7		1.3		.60	

e Estimated.
a Diversions in acre-feet, through August P. Gumlick Tunnel, provided by Denver Water Board.
b Does not include diversions through August P. Gumlick Tunnel.
c Includes diversions to August P. Gumlick Tunnel.
d From rating curve extended above 250 ft^3/s.
f Maximum gage height, 6.96 ft, May 15, 1984, backwater from ice.

09035700 WILLIAMS FORK ABOVE DARLING CREEK, NEAR LEAL, CO

LOCATION.--Lat 39°47'50", long 106°01'32", in $NW^1/_4NW^1/_4$ sec.16, T.3 S., R.77 W., Grand County, Hydrologic Unit 14010001, on left bank 0.3 mi upstream from Darling Creek, and 1.4 mi southeast of Leal.

DRAINAGE AREA.--35.0 mi^2.

PERIOD OF RECORD.--October 1965 to current year.

REVISED RECORDS.--WDR CO-93-2: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 8,940 ft above sea level, from topographic map. Prior to Oct. 1, 1972, and May 6, 1981 to Jan. 31, 1983, at site 300 ft upstream at different datum. Prior to Oct. 20, 1992, and Oct. 1, 1972 to May 5, 1981, at site 0.6 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversion upstream from station through August P. Gumlick Tunnel (station 09035000). Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	11	e9.0	e9.0	e8.0	e8.0	e8.0	40	339	100	15	12
2	14	11	e9.0	e9.0	e8.0	e8.0	e8.0	48	318	97	14	12
3	13	12	e9.0	e9.0	e8.0	e8.0	e8.0	67	312	77	13	11
4	13	13	e9.0	e9.0	e8.0	e8.0	e8.4	83	316	40	13	10
5	13	11	e9.0	e9.0	e8.0	e8.0	e8.8	106	309	48	13	11
6	13	9.3	e9.0	e9.0	e8.0	e8.0	e9.5	128	311	34	12	11
7	18	e10	e9.0	e9.0	e8.0	e8.0	e10	128	311	32	14	11
8	17	e10	e9.0	e8.8	e8.0	e8.0	e10	111	299	31	21	11
9	18	e10	e9.0	e8.6	e8.0	e8.0	e11	89	285	33	12	12
10	16	e10	e9.0	e8.4	e8.0	e8.0	e11	96	262	44	11	9.7
11	14	e10	e9.0	e8.3	e8.0	e8.0	e12	123	237	31	11	9.0
12	13	e10	e9.0	e8.2	e8.0	e8.0	e13	112	222	32	11	8.7
13	12	e10	e9.0	e8.1	e8.0	e8.0	e13	89	211	27	11	8.3
14	12	e10	e9.0	e8.1	e8.0	e8.0	e14	83	189	26	10	8.0
15	11	e10	e9.0	e8.0	e8.0	e8.0	12	86	190	27	11	7.7
16	9.6	e10	e9.0	e8.0	e8.0	e8.0	11	104	181	29	12	7.7
17	9.4	e10	e9.0	e8.0	e8.0	e8.0	13	111	164	47	12	7.4
18	13	e10	e9.0	e8.0	e8.0	e8.0	17	88	150	30	17	7.8
19	12	e10	e9.0	e8.0	e8.0	e8.0	16	80	158	24	13	7.8
20	12	e10	e9.0	e8.0	e8.0	e8.0	15	80	186	22	12	7.9
21	12	e10	e9.0	e8.0	e8.0	e8.0	15	78	147	20	11	10
22	11	e9.8	e9.0	e8.0	e8.0	e8.0	14	101	139	19	11	18
23	11	e9.6	e9.0	e8.0	e8.0	e8.0	17	168	131	18	10	12
24	11	e9.2	e9.0	e8.0	e8.0	e8.0	15	242	124	23	9.6	11
25	11	e9.0	e9.0	e8.0	e8.0	e8.0	15	255	124	20	11	14
26	10	e9.0	e9.0	e8.0	e8.0	e8.0	18	230	149	17	13	16
27	10	e9.0	e9.0	e8.0	e8.0	e8.0	31	207	148	17	12	12
28	9.9	e9.0	e9.0	e8.0	e8.0	e8.0	41	237	125	16	11	10
29	10	e9.0	e9.0	e8.0	e8.0	e8.0	46	330	114	15	27	11
30	9.5	e9.0	e9.0	e8.0	---	e8.0	47	346	106	14	15	11
31	11	---	e9.0	e8.0	---	e8.0	---	350	---	17	14	---
TOTAL	383.4	299.9	279.0	257.5	232.0	248.0	487.7	4396	6257	1027	402.6	316.0
MEAN	12.4	10.0	9.00	8.31	8.00	8.00	16.3	142	209	33.1	13.0	10.5
MAX	18	13	9.0	9.0	8.0	8.0	47	350	339	100	27	18
MIN	9.4	9.0	9.0	8.0	8.0	8.0	8.0	40	106	14	9.6	7.4
AC-FT	760	595	553	511	460	492	967	8720	12410	2040	799	627

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	12.6	9.71	8.05	6.76	6.14	6.63	11.7	63.3	207	107	27.8	16.3
MAX	33.5	20.6	15.5	13.4	13.6	17.9	26.0	155	378	320	75.5	40.9
(WY)	1996	1998	1996	1996	1996	1996	1996	1996	1997	1995	1983	1984
MIN	6.20	4.90	3.87	3.43	3.47	3.21	5.29	21.3	63.6	21.9	10.4	7.09
(WY)	1980	1990	1975	1975	1975	1980	1973	1975	1966	1977	1981	1966

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	15917.8		14586.1			
ANNUAL MEAN	43.6		39.9		40.2	
HIGHEST ANNUAL MEAN					71.3	1984
LOWEST ANNUAL MEAN					17.6	1976
HIGHEST DAILY MEAN	297	Jun 25	350	May 31	555	Jul 12 1995
LOWEST DAILY MEAN	e7.9	Mar 7	7.4	Sep 17	2.7	Apr 5 1977
ANNUAL SEVEN-DAY MINIMUM	e8.0	Mar 1	7.8	Sep 14	2.8	Mar 31 1977
INSTANTANEOUS PEAK FLOW			438	May 31	751	Jun 17 1995
INSTANTANEOUS PEAK STAGE			a7.43	May 31	b6.94	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	31570		28930		29130	
10 PERCENT EXCEEDS	141		126		120	
50 PERCENT EXCEEDS	13		11		11	
90 PERCENT EXCEEDS	9.0		8.0		5.0	

e Estimated.
a Maximum gage height, 7.45 ft, May 29.
b Maximum gage height, 7.45 ft, May 29, 2000, present site and datum.

09035800 DARLING CREEK NEAR LEAL, CO

LOCATION.--Lat 39°48'02", long 106°01'33", in $SW^1/_4SW^1/_4$ sec.9, T.3 S., R.77 W., Grand County, Hydrologic Unit 14010001, on left bank 700 ft upstream from mouth, and 1.2 mi southeast of Leal.

DRAINAGE AREA.--8.76 mi^2.

PERIOD OF RECORD.--October 1965 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 8,940 ft above sea level, from topographic map. Prior to Aug. 23, 1996, at site 2,400 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	e3.5	e2.6	e2.5	e2.0	e2.0	e2.0	6.5	77	14	4.9	5.0
2	4.3	e3.4	e2.6	e2.5	e2.0	e2.0	e2.1	8.9	73	14	4.6	4.4
3	4.2	e3.3	e2.5	e2.5	e2.0	e2.0	e2.1	12	68	13	4.7	4.0
4	4.2	e3.2	e2.5	e2.5	e2.0	e2.0	e2.2	16	68	12	4.6	3.8
5	4.2	e3.1	e2.5	e2.5	e2.0	e1.9	e2.3	22	65	11	5.1	3.7
6	4.2	e3.0	e2.5	e2.5	e2.0	e2.0	e2.4	24	68	11	4.6	4.1
7	4.6	e3.0	e2.5	e2.4	e2.0	e2.0	e2.6	22	65	10	3.7	3.8
8	4.8	e3.0	e2.5	e2.4	e2.0	e2.0	e2.7	19	58	10	3.5	4.0
9	4.6	e3.0	e2.5	e2.4	e2.0	e2.0	e2.8	16	53	11	e3.3	3.9
10	4.4	e3.0	e2.5	e2.3	e2.0	e2.0	e2.9	20	45	9.9	e3.3	3.4
11	4.2	e3.0	e2.5	e2.3	e2.0	e2.0	3.0	26	41	9.0	e3.2	3.3
12	4.2	e3.0	e2.5	e2.3	e2.0	e2.0	3.2	22	38	8.8	e3.1	3.2
13	4.1	e3.0	e2.5	e2.3	e2.0	e2.0	3.4	18	36	8.4	e3.0	3.1
14	4.1	e3.0	e2.5	e2.3	e2.0	e2.0	3.6	17	33	9.9	e3.0	3.1
15	4.0	e3.0	e2.5	e2.3	e2.0	e2.0	3.5	17	32	9.9	e3.9	2.9
16	e3.9	e3.0	e2.5	e2.3	e2.0	e2.0	3.3	22	29	11	4.7	2.9
17	e3.8	e3.0	e2.5	e2.3	e2.0	e2.0	3.6	21	27	12	5.3	2.8
18	e3.8	e3.0	e2.5	e2.3	e2.0	e2.0	3.8	17	e26	10	8.1	2.9
19	e3.7	e3.0	e2.5	e2.3	e2.0	e2.0	3.6	16	e25	8.5	4.7	2.9
20	e3.7	e2.9	e2.5	e2.3	e2.0	e2.0	3.4	16	e24	7.9	4.7	3.7
21	e3.6	e2.9	e2.5	e2.3	e2.0	e2.0	3.6	16	23	7.5	4.2	5.1
22	e3.6	e2.9	e2.5	e2.3	e2.0	e2.0	e3.8	22	21	7.2	4.0	8.2
23	e3.6	e2.8	e2.5	e2.3	e2.0	e2.0	e3.9	42	20	6.9	3.8	4.3
24	e3.6	e2.8	e2.5	e2.3	e2.0	e2.0	4.0	56	19	6.7	3.6	4.1
25	e3.5	e2.7	e2.5	e2.3	e2.0	e2.0	4.7	56	18	6.5	3.8	5.4
26	e3.5	e2.7	e2.5	e2.2	e2.0	e2.0	4.2	50	22	6.3	4.9	5.0
27	e3.5	e2.7	e2.5	e2.2	e2.0	e2.0	6.2	45	20	6.2	4.1	4.4
28	e3.5	e2.7	e2.5	e2.2	e2.0	e2.0	7.7	59	18	6.0	5.9	4.2
29	e3.5	e2.6	e2.5	e2.1	e2.0	e2.0	7.9	87	17	5.6	13	4.2
30	e3.5	e2.6	e2.5	e2.1	---	e2.0	7.4	88	15	5.4	7.5	4.1
31	e3.5	---	e2.5	e2.0	---	e2.0	---	87	---	5.0	5.6	---
TOTAL	122.2	88.8	77.7	71.8	58.0	61.9	111.9	966.4	1144	280.6	146.4	119.9
MEAN	3.94	2.96	2.51	2.32	2.00	2.00	3.73	31.2	38.1	9.05	4.72	4.00
MAX	4.8	3.5	2.6	2.5	2.0	2.0	7.9	88	77	14	13	8.2
MIN	3.5	2.6	2.5	2.0	2.0	1.9	2.0	6.5	15	5.0	3.0	2.8
AC-FT	242	176	154	142	115	123	222	1920	2270	557	290	238

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.09	3.15	2.58	2.19	2.01	2.02	2.85	15.1	47.9	22.1	7.37	4.70
MAX	7.86	5.52	4.33	3.00	3.08	2.90	6.03	31.2	85.1	91.6	20.2	9.64
(WY)	1985	1985	1985	1985	1998	1998	1985	2000	1984	1983	1983	1984
MIN	2.55	1.82	1.38	1.20	1.21	1.10	1.49	4.39	20.5	5.32	3.44	2.59
(WY)	1979	1976	1976	1976	1975	1975	1975	1983	1966	1977	1981	1979

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	3132.6		3249.6			
ANNUAL MEAN	8.58		8.88		9.67	
HIGHEST ANNUAL MEAN					18.1	1983
LOWEST ANNUAL MEAN					5.64	1977
HIGHEST DAILY MEAN	61	Jun 23	88	May 30	175	Jun 25 1983
LOWEST DAILY MEAN	e2.5	Jan 1	e1.9	Mar 5	1.0	Jan 12 1975
ANNUAL SEVEN-DAY MINIMUM	2.5	Jan 1	2.0	Feb 28	1.1	Feb 24 1975
INSTANTANEOUS PEAK FLOW			123	May 30	a241	Jun 30 1984
INSTANTANEOUS PEAK STAGE			b5.07	May 30	c4.30	Jun 30 1984
ANNUAL RUNOFF (AC-FT)	6210		6450		7010	
10 PERCENT EXCEEDS	26		22		27	
50 PERCENT EXCEEDS	3.5		3.5		3.4	
90 PERCENT EXCEEDS	2.5		2.0		1.9	

e Estimated.
a From rating curve extended above 100 ft^3/s.
b Maximum gage height, 5.19 ft, May 29.
c Maximum gage height, 5.44 ft, Jun 19, 1997, present site and datum.

09035900 SOUTH FORK WILLIAMS FORK NEAR LEAL, CO

LOCATION.--Lat 39°47'45", long 106°01'48", in NE$^1/_4$ sec.17, T.3 S., R.77 W., Grand County, Hydrologic Unit 14010001, on left bank 800 ft upstream from highway bridge, 0.6 mi upstream from mouth, and 1.2 mi southeast of Leal.

DRAINAGE AREA.--27.3 mi^2.

PERIOD OF RECORD.--October 1965 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 8,950 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	11	e8.4	e8.0	e8.0	e7.6	e8.0	27	237	60	21	18
2	13	11	e8.2	e8.0	e8.0	e7.6	e8.0	34	219	57	20	17
3	12	13	e8.1	e8.0	e8.0	e7.6	e8.0	49	209	55	19	16
4	12	13	e8.0	e8.0	e8.0	e7.6	e8.0	63	210	51	19	15
5	12	11	e8.0	e8.0	e8.0	e7.6	e8.0	78	207	48	19	15
6	12	11	e8.0	e8.0	e8.0	e7.6	e8.6	88	202	45	18	16
7	14	11	e8.0	e8.0	e8.0	e7.6	e9.2	86	197	44	17	16
8	14	11	e8.0	e8.0	e8.0	e7.8	e10	73	185	42	17	16
9	14	10	e8.0	e8.0	e8.0	e7.9	e11	61	177	44	16	17
10	13	11	e8.0	e8.0	e8.0	e8.0	e12	72	164	42	16	15
11	13	12	e8.0	e8.0	e7.8	e8.0	e11	90	149	37	16	14
12	12	11	e8.0	e8.0	e7.6	e8.0	e11	80	138	36	17	14
13	12	e11	e8.0	e8.0	e7.6	e8.0	e10	66	127	35	16	13
14	11	e11	e8.0	e8.0	e7.6	e8.0	13	60	114	35	15	13
15	11	e11	e8.0	e8.0	e7.6	e8.0	12	63	113	35	16	13
16	11	e11	e8.0	e8.0	e7.6	e8.0	11	76	106	41	16	13
17	15	11	e8.0	e8.0	e7.6	e8.0	12	80	97	55	17	13
18	13	10	e8.0	e8.0	e7.6	e8.0	15	64	91	38	21	14
19	12	e9.8	e8.0	e8.0	e7.6	e8.0	14	60	97	34	18	13
20	12	e9.4	e8.0	e8.0	e7.4	e8.0	13	60	109	33	17	14
21	11	e8.8	e8.0	e8.0	e7.6	e8.0	15	63	90	31	16	17
22	11	e8.5	e8.0	e8.0	e7.6	e8.0	14	80	84	30	16	24
23	11	e8.2	e8.0	e8.0	e7.6	e8.0	19	121	80	29	15	18
24	11	e8.0	e8.0	e8.0	e7.6	e8.0	16	163	75	27	15	17
25	11	e9.0	e8.0	e8.0	e7.6	e8.0	17	169	75	27	22	17
26	11	e9.6	e8.0	e8.0	e7.6	e8.0	15	160	88	25	17	18
27	10	e9.4	e8.0	e8.0	e7.6	e8.0	20	142	87	25	17	16
28	10	e9.2	e8.0	e8.0	e7.6	e8.0	26	158	74	24	16	15
29	11	e8.8	e8.0	e8.0	e7.6	e8.0	31	211	68	23	28	15
30	11	e8.6	e8.0	e8.0	---	e8.0	33	236	64	22	19	15
31	12	---	e8.0	e8.0	---	e8.0	---	247	---	21	18	---
TOTAL	371	308.3	248.7	248.0	224.4	244.9	418.8	3080	3933	1151	550	467
MEAN	12.0	10.3	8.02	8.00	7.74	7.90	14.0	99.4	131	37.1	17.7	15.6
MAX	15	13	8.4	8.0	8.0	8.0	33	247	237	60	28	24
MIN	10	8.0	8.0	8.0	7.4	7.6	8.0	27	64	21	15	13
AC-FT	736	612	493	492	445	486	831	6110	7800	2280	1090	926

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	13.6	11.0	9.31	7.76	7.35	7.39	11.5	57.8	159	73.4	26.5	16.7
MAX	24.0	16.7	21.1	12.8	11.4	11.5	25.0	118	243	215	63.3	32.3
(WY)	1985	1998	1986	1998	1996	1996	1971	1996	1984	1983	1983	1984
MIN	8.94	3.71	3.46	2.95	2.90	3.19	4.47	18.4	78.9	24.0	12.0	10.1
(WY)	1970	1967	1967	1967	1967	1967	1967	1995	1977	1966	1966	1966

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	11457.3		11245.1			
ANNUAL MEAN	31.4		30.7		33.4	
HIGHEST ANNUAL MEAN					54.8	1984
LOWEST ANNUAL MEAN					20.2	1977
HIGHEST DAILY MEAN	183	Jun 25	247	May 31	404	Jun 17 1995
LOWEST DAILY MEAN	e8.0	Nov 24	e7.4	Feb 20	2.6	Mar 6 1967
ANNUAL SEVEN-DAY MINIMUM	e8.0	Dec 4	e7.6	Feb 14	2.8	Feb 28 1967
INSTANTANEOUS PEAK FLOW			318	May 30	a574	Jun 17 1995
INSTANTANEOUS PEAK STAGE			3.62	May 30	b4.17	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	22730		22300		24210	
10 PERCENT EXCEEDS	103		81		97	
50 PERCENT EXCEEDS	12		12		13	
90 PERCENT EXCEEDS	8.8		8.0		6.6	

e Estimated.
a From rating curve extended above 256 ft^3/s.
b Maximum gage height, 4.22 ft, Nov 22, 1979, backwater from ice.

09036000 WILLIAMS FORK NEAR LEAL, CO

LOCATION.--Lat 39°50'02", long 106°03'21", in sec.31, T.2 S., R.77 W., Grand County, Hydrologic Unit 14010001, on right bank at downstream side of bridge, 100 ft downstream from Kinney Creek, and 1.7 mi northwest of Leal.

DRAINAGE AREA.--89.5 mi^2.

PERIOD OF RECORD.--July 1933 to current year. Records since May 10, 1940, equivalent to earlier records if diversion to August P. Gumlick Tunnel is added to flow past station. Prior to October 1958, published as Williams River near Leal.

REVISED RECORDS.--WSP 1733: 1951. WSP 2124: Drainage area. WRD CO. 1973: 1972.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,790 ft above sea level, from topographic map. Prior to Aug. 16, 1953, at site 15 ft downstream at present datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Transmountain diversion upstream from station through August P. Gumlick Tunnel (see table below for figures of diversion). Diversions for irrigation of about 200 acres of hay meadows upstream from station and about 40 acres downstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	36	27	24	21	19	19	87	837	205	54	45
2	50	33	27	24	21	20	20	105	785	198	51	42
3	50	35	26	24	21	20	20	155	737	177	50	37
4	51	37	26	e24	21	19	20	203	734	128	47	36
5	51	34	24	24	21	20	24	256	721	129	47	36
6	54	34	26	25	21	20	26	307	695	116	48	39
7	47	35	25	e24	21	20	25	310	700	110	46	39
8	48	35	26	22	21	20	26	275	668	110	53	38
9	51	36	e26	23	21	19	30	219	622	116	45	42
10	51	33	25	22	20	20	31	230	577	119	42	36
11	51	35	25	22	20	19	28	313	513	105	42	34
12	50	31	25	22	20	19	29	287	477	98	42	27
13	40	30	25	22	20	20	36	216	455	93	42	26
14	42	31	25	22	20	19	39	202	402	92	39	26
15	45	31	25	22	20	20	37	210	396	100	41	26
16	45	29	25	22	20	19	32	250	380	105	44	26
17	34	29	25	22	20	19	37	281	346	154	44	25
18	50	29	25	22	20	20	45	221	311	112	60	25
19	47	26	26	22	20	19	40	201	320	90	46	26
20	45	30	26	21	19	20	38	201	382	83	43	28
21	38	30	26	21	20	20	42	198	302	77	42	33
22	34	28	25	21	20	19	40	246	282	73	40	58
23	33	25	24	21	20	20	44	391	266	69	38	40
24	32	22	24	21	20	20	44	541	250	70	36	37
25	31	24	24	21	20	20	39	589	249	69	44	37
26	32	29	24	21	19	20	47	553	290	61	43	43
27	33	28	24	21	20	20	70	495	308	62	43	37
28	33	27	24	21	20	21	94	529	258	60	40	33
29	38	27	24	22	20	21	103	748	232	56	85	33
30	34	27	24	e22	---	21	110	837	217	54	57	34
31	36	---	24	21	---	20	---	871	---	54	49	---
TOTAL	1328	916	777	688	587	613	1235	10527	13712	3145	1443	1044
MEAN	42.8	30.5	25.1	22.2	20.2	19.8	41.2	340	457	101	46.5	34.8
MAX	54	37	27	25	21	21	110	871	837	205	85	58
MIN	31	22	24	21	19	19	19	87	217	54	36	25
AC-FT	2630	1820	1540	1360	1160	1220	2450	20880	27200	6240	2860	2070
a	0	0	0	0	0	0	0	0	0	1520	651	599

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	38.5	30.0	24.3	20.9	19.3	19.3	36.4	179	487	219	71.4	44.5
MAX	102	52.6	35.1	28.6	26.4	24.5	91.3	392	966	765	198	98.4
(WY)	1962	1962	1985	1985	1962	1946	1946	1996	1938	1983	1983	1961
MIN	18.5	18.7	14.4	14.1	14.0	14.1	19.8	76.1	119	59.6	29.0	24.2
(WY)	1964	1964	1964	1964	1964	1964	1944	1968	1954	1934	1954	1964

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1934 - 2000	
ANNUAL TOTAL	36664		36015			
ANNUAL MEAN	100		b102		b106	
HIGHEST ANNUAL MEAN					c176	1984
LOWEST ANNUAL MEAN					45.4	1954
HIGHEST DAILY MEAN	664	Jun 25	871	May 31	1430	Jun 21 1938
LOWEST DAILY MEAN	19	Feb 15	19	Feb 20	d13	Dec 28 1939
ANNUAL SEVEN-DAY MINIMUM	19	Feb 15	19	Mar 11	14	Dec 23 1939
INSTANTANEOUS PEAK FLOW			1040	May 30	1720	Jun 10 1952
INSTANTANEOUS PEAK STAGE			3.52	May 30	f4.23	Jun 10 1952
ANNUAL RUNOFF (AC-FT)	72720		b73900		b76800	
10 PERCENT EXCEEDS	319		284		277	
50 PERCENT EXCEEDS	36		35		34	
90 PERCENT EXCEEDS	21		20		18	

e Estimated.
a Diversions in acre-feet, through August P. Gumlick Tunnel, provided by Denver Water Board.
b Includes diversions through August P. Gumlick Tunnel, since May 10, 1940.
c Does not include diversions through August P. Gumlick Tunnel.
d Also occurred at times in 1963, 1964, and 1967.
f Maximum gage height, 5.46 ft, Jun 29, 1971, backwater from log.

09037500 WILLIAMS FORK NEAR PARSHALL, CO

LOCATION.--Lat 40°00'01", long 106°10'45", in $SW^1/_4SW^1/_4$ sec.31, T.1 N., R.78 W., Grand County, Hydrologic Unit 14010001, on left bank 30 ft downstream from bridge on State Highway 286, 3.7 mi downstream from Skylark Creek, 3.9 mi south of Parshall, and 4.2 mi upstream from Williams Fork Reservoir Dam.

DRAINAGE AREA.--184 mi^2.

PERIOD OF RECORD.--July 1904 to September 1924, June 1933 to current year. Records since May 10, 1940, equivalent to earlier records if diversion to August P. Gumlick Tunnel is added to flow past station. Published as "near (Hot) Sulphur Springs" 1904-12 and as Williams River near Parshall June 1933 to September 1958. Water-quality data available, April 1986 to September 1987.

REVISED RECORDS.--WSP 1243: 1918. WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,808.95 ft above sea level, (Denver Board of Water Commissioners Datum). See WSP 1733 for history of changes prior to Aug. 9, 1938. Aug. 10, 1938 to Aug. 19, 1983, gage located on right bank at present datum. Aug. 19, 1983 to May 14, 1991, gage located 120 ft downstream of present site on left bank at present datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversion upstream from station through August P. Gumlick Tunnel (station 09035000). Diversions for irrigation of about 1,300 acres upstream from station, and about 2,5000 acres downstream from station. About 150 acres upstream from station irrigated by diversions into the drainage area. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	48	e40	e40	e40	e38	e40	180	841	e105	17	21
2	57	43	e40	e40	e40	e38	e40	196	766	e88	16	20
3	56	41	e40	e40	e40	e38	e40	253	680	e72	17	20
4	54	47	e40	e40	e40	e38	e40	308	649	e50	17	20
5	54	46	e40	e40	e40	e38	e46	372	642	e43	16	20
6	55	44	e40	e40	e40	e38	e48	420	594	e39	16	20
7	62	43	e40	e40	e40	e38	e50	431	609	e35	16	20
8	66	44	e40	e40	e40	e39	e55	418	573	e35	15	20
9	64	44	e40	e40	e40	e40	e58	360	520	e35	15	19
10	61	41	e40	e40	e40	e40	e60	358	482	e34	15	19
11	58	45	e40	e40	e38	e40	e59	444	414	e20	15	18
12	56	45	e40	e40	e38	e40	e58	422	377	e15	15	18
13	54	45	e40	e40	e38	e40	e72	343	361	15	15	18
14	52	46	e40	e40	e38	e40	e77	322	312	15	15	18
15	51	50	e40	e40	e38	e40	e72	322	299	19	15	18
16	50	50	e40	e40	e38	e40	e68	348	290	25	15	17
17	40	49	e40	e40	e38	e40	e80	387	256	58	15	17
18	51	47	e40	e40	e38	e40	e88	318	210	47	17	17
19	53	e43	e40	e40	e38	e40	e82	273	202	20	16	17
20	49	e43	e40	e40	e38	e40	e80	281	e313	17	15	17
21	50	e43	e40	e40	e38	e40	e80	261	e277	16	15	29
22	49	e42	e40	e40	e37	e40	e81	289	e232	16	15	82
23	48	e41	e40	e40	e38	e40	e81	388	e209	16	15	66
24	47	e40	e40	e40	e38	e40	e81	528	e182	16	16	60
25	47	e40	e40	e40	e38	e40	e82	616	e154	17	20	56
26	46	e40	e40	e40	e38	e40	e100	590	e198	17	21	66
27	46	e40	e40	e40	e38	e40	e140	537	e292	17	21	60
28	45	e40	e40	e40	e38	e40	e180	495	e201	17	20	55
29	52	e40	e40	e40	e38	e40	e200	680	e136	16	34	54
30	46	e40	e40	e40	---	e40	212	820	e127	17	24	57
31	45	---	e40	e40	---	e40	---	872	---	17	22	---
TOTAL	1623	1310	1240	1240	1121	1225	2450	12832	11398	969	536	959
MEAN	52.4	43.7	40.0	40.0	38.7	39.5	81.7	414	380	31.3	17.3	32.0
MAX	66	50	40	40	40	40	212	872	841	105	34	82
MIN	40	40	40	40	37	38	40	180	127	15	15	17
AC-FT	3220	2600	2460	2460	2220	2430	4860	25450	22610	1920	1060	1900
a	0	0	0	0	0	0	0	0	0	1520	651	599

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	60.7	51.2	42.2	37.2	35.3	39.7	80.2	272	560	217	87.9	62.8
MAX	151	80.9	65.6	59.5	53.9	87.8	199	711	1243	855	245	153
(WY)	1962	1985	1985	1910	1912	1910	1962	1984	1918	1983	1984	1909
MIN	17.6	32.5	26.8	22.6	22.6	21.5	29.9	28.9	38.6	19.4	13.8	11.1
(WY)	1956	1982	1950	1964	1964	1971	1981	1963	1954	1963	1988	1966

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1905 - 2000	
ANNUAL TOTAL	34817		36903			
ANNUAL MEAN	95.4		b105		b134	
HIGHEST ANNUAL MEAN					c248	1984
LOWEST ANNUAL MEAN					38.8	1963
HIGHEST DAILY MEAN	523	Jun 24	872	May 31	f2520	Jun 14 1918
LOWEST DAILY MEAN	28	Sep 18	15	Jul 12	d4.8	May 6 1972
ANNUAL SEVEN-DAY MINIMUM	31	Sep 13	15	Aug 8	5.1	May 6 1972
INSTANTANEOUS PEAK FLOW			1060	May 31	f2620	Jun 14 1918
INSTANTANEOUS PEAK STAGE			4.73	May 31	6.05	Jun 14 1918
ANNUAL RUNOFF (AC-FT)	69060		b76070		b97080	
10 PERCENT EXCEEDS	288		314		345	
50 PERCENT EXCEEDS	51		40		53	
90 PERCENT EXCEEDS	35		17		30	

e Estimated.
a Diversions in acre-ft through August P. Gumlick Tunnel provided by Denver Water Board.
b Includes diversions through August P. Gumlick Tunnel.
c Does not include diversions through August P. Gumlick Tunnel.
d Also occurred May 8-10, 1972.
f Site and datum then in use, from rating curve extended above 1400 ft^3/s.

09038500 WILLIAMS FORK BELOW WILLIAMS FORK RESERVOIR, CO

LOCATION.--Lat 40°02'07", long 106°12'17", in $NW^1/_4SE^1/_4$ sec.23, T.1 N., R.79 W., Grand County, Hydrologic Unit 14010001, on left bank 400 ft downstream from Williams Fork Reservoir, 2.1 mi upstream from mouth, and 2.1 mi southwest of Parshall.

DRAINAGE AREA.--230 mi^2.

PERIOD OF RECORD.--October 1948 to September 1954, August 1958 to current year. Monthly discharge only for some periods, published in WSP 1313. Prior to October 1958, published as Williams River below Williams Fork Reservoir. Water-quality data available, April 1986 to September 1987.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry, and concrete control. Datum of gage is 7,615.0 ft above sea level, (Denver Board of Water Commissioners Datum). See WSP 1713 or 1733 for history of changes prior to Oct. 21, 1959.

REMARKS.--No estimated daily discharges. Records good. Flow completely regulated by Williams Fork Reservoir (station 09038000). Transmountain diversion upstream from station through August P. Gumlick Tunnel (station 09035000). Diversions upstream from station for irrigation of about 3,200 acres and about 100 acres downstream from station. About 450 acres upstream from station irrigated by diversion into the drainage area. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	127	100	98	98	152	119	81	266	198	156	350
2	112	103	100	98	98	152	119	82	364	179	230	349
3	111	102	100	98	98	152	104	81	413	179	271	349
4	111	104	100	98	98	152	88	81	413	156	270	349
5	111	101	100	98	98	152	84	81	413	126	270	351
6	111	100	100	98	98	152	85	81	410	115	270	352
7	111	100	100	98	97	152	85	81	411	115	270	289
8	111	100	100	98	97	152	85	81	411	115	248	198
9	111	100	101	98	97	152	85	81	413	115	177	149
10	111	101	100	98	113	152	85	81	413	115	152	151
11	111	101	101	98	140	152	87	81	413	115	152	151
12	111	102	101	98	150	152	93	81	413	103	152	151
13	111	102	102	98	150	152	93	81	369	78	153	126
14	111	102	100	98	152	152	93	81	272	66	152	102
15	111	102	100	98	152	152	93	81	237	53	152	102
16	111	102	100	98	152	152	92	81	280	53	152	102
17	109	102	134	98	152	152	91	81	282	52	184	102
18	109	102	184	98	152	152	91	90	272	52	202	104
19	109	102	200	98	152	152	91	83	274	52	202	104
20	109	102	167	98	152	152	86	83	292	73	202	104
21	109	101	98	98	152	152	82	83	304	135	202	162
22	109	100	98	98	152	152	82	83	281	134	202	213
23	109	101	98	98	152	152	79	61	248	134	202	254
24	109	101	98	98	152	152	82	50	236	134	201	254
25	150	100	98	98	152	152	83	50	219	134	251	206
26	234	100	98	93	152	152	83	66	203	120	353	132
27	267	101	98	98	152	152	82	84	225	106	354	139
28	267	101	98	98	152	152	83	85	268	105	352	176
29	266	101	98	98	152	151	81	85	275	104	352	176
30	266	101	98	98	---	151	81	117	246	104	352	176
31	207	---	98	98	---	130	---	180	---	104	351	---
TOTAL	4307	3064	3368	3033	3864	4688	2667	2578	9536	3424	7189	5923
MEAN	139	102	109	97.8	133	151	88.9	83.2	318	110	232	197
MAX	267	127	200	98	152	152	119	180	413	198	354	352
MIN	109	100	98	93	97	130	79	50	203	52	152	102
AC-FT	8540	6080	6680	6020	7660	9300	5290	5110	18910	6790	14260	11750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	128	133	105	104	92.3	94.9	77.3	117	209	170	154	153
MAX	264	276	251	264	279	265	273	401	1007	782	352	342
(WY)	1979	1979	1966	1984	1966	1966	1986	1952	1952	1983	1981	1981
MIN	23.5	36.7	13.5	14.7	7.88	14.1	6.04	6.29	10.8	7.97	19.2	17.1
(WY)	1988	1995	1983	1983	1995	1983	1960	1960	1961	1963	1986	1986

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1949 - 2000	
ANNUAL TOTAL	42750		53641			
ANNUAL MEAN	117		a122		a130	
HIGHEST ANNUAL MEAN					b254	1984
LOWEST ANNUAL MEAN					39.1	1959
HIGHEST DAILY MEAN	348	Jul 3	413	Jun 3	1860	Jun 28 1983
LOWEST DAILY MEAN	15	May 2	50	May 24	c.30	May 14 1963
ANNUAL SEVEN-DAY MINIMUM	16	Apr 27	57	Jul 14	.54	Apr 27 1959
INSTANTANEOUS PEAK FLOW			418	Jun 6	d2640	Jun 20 1953
INSTANTANEOUS PEAK STAGE			2.92	Jun 6	8.50	Jun 20 1953
ANNUAL RUNOFF (AC-FT)	84790		a88390		a94180	
10 PERCENT EXCEEDS	220		270		252	
50 PERCENT EXCEEDS	102		111		110	
90 PERCENT EXCEEDS	59		83		16	

a Adjusted for storage at Williams Fork Reservoir.
b Not adjusted for storage at Williams Fork Reservoir.
c No flow for part of Apr 29, 1975.
d Site and datum then in use, from rating curve extended above 1500 ft^3/s.

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO

LOCATION.--Lat 40°12'09", long 106°25'19", in $SE^1/_4SE^1/_4$ sec.23, T.3 N., R.81 W., Grand County, Hydrologic Unit 14010001, on left bank at upstream side of box culverts on U.S. Highway 40, 10.9 mi north of Kremmling, on U.S. Highway 40.

DRAINAGE AREA.--145 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1990 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,520 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.0	e6.0	e9.0	e7.0	e7.0	e9.0	e60	412	323	13	9.1	e6.0
2	e8.0	e6.0	e9.0	e7.0	e7.0	e10	e62	483	285	12	e9.1	e6.0
3	e7.0	e6.0	e12	e7.0	e7.0	e10	e64	569	246	12	9.2	e6.0
4	e6.0	e6.0	e12	e7.0	e7.0	e10	e66	601	225	13	9.8	e6.0
5	e5.0	e6.0	e12	e6.0	e7.0	e10	e68	645	199	10	9.8	e6.0
6	e4.5	e6.0	e12	e6.0	e7.0	e10	e70	676	170	9.1	11	e6.0
7	e8.0	e6.0	e13	e6.0	e7.0	e11	e70	643	146	8.5	12	e6.0
8	e9.0	e6.0	e14	e6.0	e7.0	e11	e70	589	128	7.9	e10	e6.0
9	e8.0	e7.0	e15	e6.0	e7.0	e11	e72	458	109	e8.0	e9.0	e6.0
10	e7.0	e7.0	e15	e5.0	e7.0	e11	e72	457	94	e10	8.0	e6.0
11	e5.0	e7.0	e14	e5.0	e7.0	e11	e74	563	78	e10	9.8	e6.0
12	e4.9	e6.0	e12	e5.0	e7.0	e12	e85	428	63	e11	8.0	e6.0
13	e4.7	e7.0	e10	e5.0	e7.0	e12	e110	333	63	e11	8.5	e5.0
14	e4.6	e7.0	e8.0	e4.9	e8.0	e12	e100	291	60	e7.4	10	e5.0
15	e4.6	e7.0	e7.0	e6.0	e8.0	e12	e120	283	42	e7.4	9.3	4.5
16	e6.0	e7.0	e8.0	e6.0	e8.0	e14	e130	287	32	e8.0	11	4.3
17	e5.0	e7.0	e9.0	e6.0	e8.0	e16	e110	361	27	e10	11	4.1
18	e5.0	e9.0	e10	e6.0	e8.0	e18	e120	303	27	e14	12	4.4
19	e5.0	e10	e10	e6.0	e8.0	e20	e125	279	34	e10	11	4.4
20	e5.0	e9.0	e10	e6.0	e8.0	e25	e115	289	80	e9.0	e10	4.5
21	e5.0	e10	e10	e6.0	e8.0	e30	e130	319	42	e8.0	e10	5.6
22	e5.0	e16	e10	e7.0	e8.0	e35	e150	373	26	e8.0	e10	37
23	e5.0	e11	e9.0	e7.0	e8.0	e40	e175	454	23	e8.0	e9.0	23
24	e5.0	e12	e9.0	e7.0	e7.5	e42	e210	579	23	e8.0	e9.0	11
25	e5.0	e13	e9.0	e7.0	e8.0	e44	220	594	24	e7.6	e8.0	9.1
26	e5.0	e12	e9.0	e7.0	e8.0	e46	259	703	25	11	e8.0	7.5
27	e5.0	e12	e8.0	e7.0	e8.0	e48	328	571	18	10	e7.0	6.4
28	e5.0	e12	e8.0	e7.0	e9.0	e50	415	508	15	8.8	e7.0	5.6
29	e6.0	e10	e8.0	e7.0	e9.0	e52	471	521	15	8.5	e6.0	5.5
30	e5.0	e10	e8.0	e7.0	---	e54	440	466	14	9.3	e6.0	5.5
31	e5.0	---	e7.0	e7.0	---	e56	---	379	---	9.1	e6.0	---
TOTAL	175.3	256.0	316.0	194.9	220.5	752.0	4561	14417	2656	297.6	283.6	224.4
MEAN	5.65	8.53	10.2	6.29	7.60	24.3	152	465	88.5	9.60	9.15	7.48
MAX	9.0	16	15	7.0	9.0	56	471	703	323	14	12	37
MIN	4.5	6.0	7.0	4.9	7.0	9.0	60	279	14	7.4	6.0	4.1
AC-FT	348	508	627	387	437	1490	9050	28600	5270	590	563	445

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	10.2	10.1	9.02	8.56	9.02	20.8	98.8	393	172	16.5	12.5	10.3
MAX	38.2	26.4	21.8	20.3	18.7	53.4	152	659	366	52.2	27.5	45.2
(WY)	1998	1998	1998	1998	1998	1998	2000	1997	1995	1995	1997	1997
MIN	4.32	4.36	2.82	2.68	3.00	9.92	40.8	190	32.2	2.69	5.14	3.51
(WY)	1993	1995	1991	1991	1991	1991	1995	1992	1992	1994	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	21086.3		24354.3			
ANNUAL MEAN	57.8		66.5		66.9	
HIGHEST ANNUAL MEAN					109	1997
LOWEST ANNUAL MEAN					29.0	1992
HIGHEST DAILY MEAN	572	May 25	703	May 26	908	May 18 1996
LOWEST DAILY MEAN	4.5	Oct 6	4.1	Sep 17	.96	Jul 25 1994
ANNUAL SEVEN-DAY MINIMUM	5.0	Oct 11	4.5	Sep 14	1.2	Jul 22 1994
INSTANTANEOUS PEAK FLOW			842	May 26	955	Jun 20 1994
INSTANTANEOUS PEAK STAGE			7.15	May 26	a7.36	Jun 20 1994
ANNUAL RUNOFF (AC-FT)	41820		48310		48490	
10 PERCENT EXCEEDS	205		280		223	
50 PERCENT EXCEEDS	13		9.1		11	
90 PERCENT EXCEEDS	7.0		5.6		4.3	

e Estimated.
a Maximum gage height, 7.43 ft, May 18, 1996 and May 17, 1997.

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1990 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1990 to current year.
WATER TEMPERATURE: April 1990 to current year.
SUSPENDED-SEDIMENT DISCHARGE: April 1990 to September 1993 (revised).

INSTRUMENTATION.--Water-quality monitor from April 1990 to current year.

REMARKS.--Records for specific conductance are rated good. Records for water temperature are rated good. Daily data that are not published are either missing or of unacceptable quality.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,010 microsiemens, Aug. 19, 1997; minimum, 88 microsiemens, May 20, 1994.
WATER TEMPERATURE: Maximum, 26.7°C, July 7, 1999; minimum, 0.0°C, on many days during winter.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 800 microsiemens, July 11; minimum, 102 microsiemens, May 31.
WATER TEMPERATURE: Maximum, 26.2°C, July 14; minimum, 0.0°C, on many days during winter.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT												
13...	1500	4.6	573	8.6	11.1	2.8	9.3	--	--	250	63.1	22.0
NOV												
09...	1545	6.6	503	8.6	4.5	3.5	10.6	--	--	230	59.6	19.6
DEC												
15...	1400	6.2	573	8.2	.1	3.1	10.6	K5	--	260	69.2	21.5
JAN												
13...	0930	4.1	466	8.4	.3	3.0	9.2	<1	--	200	53.6	16.7
FEB												
24...	0915	7.5	465	7.7	.2	4.6	9.9	41	--	200	53.9	16.2
MAR												
14...	1435	11	507	8.3	.1	2.6	10.7	65	33	220	57.3	18.4
APR												
11...	1145	73	559	8.0	3.0	30	11.5	21	<1	230	60.3	19.3
MAY												
09...	1425	409	195	8.4	7.3	47	8.9	30	<1	86	25.1	5.63
JUN												
06...	1505	184	236	8.3	17.0	5.4	7.3	--	<1	100	29.6	7.51
JUL												
07...	1145	7.2	694	8.4	19.0	2.3	6.7	>120	49	320	89.2	24.8
AUG												
22...	1400	21	499	8.4	18.0	6.0	7.8	130	<1	230	63.9	16.5
SEP												
06...	1430	5.9	456	8.6	17.5	.6	7.3	100	39	200	54.2	15.2

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT												
13...	25.9	.7	2.2	157	149	2.2	.2	7.4	390	367	.53	4.81
NOV												
09...	21.5	.6	2.2	150	122	2.2	.2	9.2	343	327	.47	6.14
DEC												
15...	24.9	.7	2.2	179	136	2.1	.2	11.8	388	375	.53	6.52
JAN												
13...	19.6	.6	2.2	153	98.4	2.2	.2	12.0	311	297	.42	3.43
FEB												
24...	19.6	.6	1.9	153	96.9	1.8	.1	11.2	314	294	.43	6.34
MAR												
14...	23.7	.7	2.1	153	117	3.4	.2	11.0	343	326	.47	10.5
APR												
11...	24.6	.7	5.0	143	150	4.3	.1	8.4	386	359	.52	76.3
MAY												
09...	6.6	.3	1.4	77	27.8	1.0	.1	9.2	137	124	.19	151
JUN												
06...	8.2	.3	1.3	84	37.8	1.0	<.1	10.1	166	146	.23	82.5
JUL												
07...	29.4	.7	2.0	250	133	2.5	.3	10.4	459	441	.62	8.92
AUG												
22...	21.1	.6	2.8	155	109	2.5	.2	8.7	332	319	.45	18.8
SEP												
06...	16.0	.5	2.0	144	94.1	1.8	.2	6.1	298	276	.41	4.75

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)
OCT 13...	2	<.010	<.050	<.020	--	.25	.21	<.050	<.050	<.010	4.4	.2
NOV 09...	--	<.010	<.050	<.020	--	.18	.17	<.050	<.050	<.010	--	--
DEC 15...	2	<.010	<.050	<.020	--	.25	.15	<.050	<.050	<.010	3.6	.2
JAN 13...	--	<.010	.086	.030	--	.24	E.10	<.050	<.050	<.010	--	--
FEB 24...	--	<.010	.111	.055	.19	.30	.24	<.050	<.050	<.010	--	--
MAR 14...	--	<.010	.131	.034	--	--	--	<.050	<.050	<.010	--	--
APR 11...	--	<.010	.146	.253	.49	.95	.74	.205	.065	.050	--	--
MAY 09...	139	<.010	.059	<.020	--	.68	.32	.231	<.050	<.010	7.3	2.4
JUN 06...	--	<.010	<.050	<.020	--	.53	.38	.073	E.045	.022	--	--
JUL 07...	--	<.010	<.050	<.020	--	.49	.45	<.050	<.050	<.010	--	--
AUG 22...	22	<.010	<.050	<.020	--	.44	.35	E.037	<.050	<.010	5.8	.4
SEP 06...	--	<.010	<.050	<.020	--	.29	.23	<.050	<.050	<.010	--	--

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)
OCT 13...	--	--	--	--	--	--	--	--	--	--	--	--
NOV 09...	--	--	--	--	--	--	--	--	--	--	--	--
DEC 15...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 13...	--	--	--	--	--	--	--	--	--	--	--	--
FEB 24...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 14...	--	--	--	--	--	--	--	--	--	--	--	--
APR 11...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 09...	1590	E2	<2.0	78.6	37	<5	20	.5	<.1	2	<.8	2
JUN 06...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 07...	--	--	--	--	--	--	--	--	--	--	--	--
AUG 22...	216	<3	<2.0	81.0	77	<5	65	<.1	<.1	--	<.8	<1
SEP 06...	--	--	--	--	--	--	--	--	--	--	--	--

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT 13...	--	--	270	20	--	--	--	25	22	--	--
NOV 09...	--	--	300	E10	--	--	--	24	20	--	--
DEC 15...	--	--	310	E10	--	--	--	24	20	--	--
JAN 13...	--	--	340	10	--	--	--	23	18	--	--
FEB 24...	--	--	390	10	--	--	--	26	19	--	--
MAR 14...	--	--	430	20	--	--	--	38	33	--	--
APR 11...	--	--	1840	70	--	--	--	143	97	--	--
MAY 09...	10	2	3400	50	11	<1	8.2	90	17	<.3	<.2
JUN 06...	--	--	650	110	--	--	--	27	13	--	--
JUL 07...	--	--	310	30	--	--	--	46	40	--	--
AUG 22...	2	E1	560	E10	<1	<1	23.5	50	21	<.3	<.2
SEP 06...	--	--	330	20	--	--	--	38	22	--	--

DATE	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT 13...	--	--	--	--	--	--	--	--	--	--	--
NOV 09...	--	--	--	--	--	--	--	--	--	--	--
DEC 15...	--	--	--	--	--	--	--	--	--	--	--
JAN 13...	--	--	--	--	--	--	--	--	--	--	--
FEB 24...	--	--	--	--	--	--	--	--	--	--	--
MAR 14...	--	--	--	--	--	--	--	--	--	--	--
APR 11...	--	--	--	--	--	--	--	--	--	--	--
MAY 09...	1	2	7	E1	<3	<2.4	<1	<1	205	E21	<20
JUN 06...	--	--	--	--	--	--	--	--	--	--	--
JUL 07...	--	--	--	--	--	--	--	--	--	--	--
AUG 22...	3	3	2	2	1	<2.4	<1	<1	534	4	<20
SEP 06...	--	--	--	--	--	--	--	--	--	--	--

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT					
13...	1510	4.6	11.1	14	.17
NOV					
09...	1550	6.6	4.5	9	.17
DEC					
05...	1400	6.2	.1	26	.43
JAN					
12...	0930	22	2.7	4	.26
FEB					
24...	0916	7.5	.2	18	.35
MAR					
14...	1436	11	.1	9	.27
APR					
11...	1150	73	3.0	98	19
MAY					
09...	1620	409	7.3	378	417
JUN					
06...	1500	184	17.0	28	14
16...	1200	34	14.0	15	1.3
20...	1130	105	13.5	81	23
JUL					
05...	1345	8.7	19.2	33	.78
07...	1200	7.2	19.0	18	.34
AUG					
22...	1415	21	18.0	12	.70
SEP					
06...	1445	5.9	17.5	7	.11

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	459	445	453	531	499	515	---	---	---	---	---	---
2	450	442	446	540	501	516	---	---	---	---	---	---
3	453	440	446	548	504	523	---	---	---	---	---	---
4	462	447	454	545	506	522	---	---	---	---	---	---
5	469	453	462	540	505	518	---	---	---	---	---	---
6	483	465	473	532	504	512	---	---	---	---	---	---
7	497	475	485	534	507	518	---	---	---	---	---	---
8	493	486	489	533	499	517	---	---	---	---	---	---
9	492	482	487	531	490	508	---	---	---	---	---	---
10	502	485	494	---	---	---	---	---	---	---	---	---
11	543	501	519	---	---	---	---	---	---	---	---	---
12	569	543	554	---	---	---	---	---	---	---	---	---
13	591	559	573	---	---	---	---	---	---	---	---	---
14	605	587	595	---	---	---	---	---	---	---	---	---
15	607	597	602	---	---	---	---	---	---	---	---	---
16	617	582	602	---	---	---	---	---	---	---	---	---
17	625	594	613	---	---	---	---	---	---	---	---	---
18	667	586	613	---	---	---	---	---	---	---	---	---
19	606	566	584	---	---	---	---	---	---	---	---	---
20	609	556	572	---	---	---	---	---	---	---	---	---
21	579	538	555	---	---	---	---	---	---	---	---	---
22	567	534	546	---	---	---	---	---	---	---	---	---
23	548	523	536	---	---	---	---	---	---	---	---	---
24	548	525	537	---	---	---	---	---	---	---	---	---
25	555	534	543	---	---	---	---	---	---	---	---	---
26	556	535	543	---	---	---	---	---	---	---	---	---
27	547	532	539	---	---	---	---	---	---	---	---	---
28	554	529	539	---	---	---	---	---	---	---	---	---
29	548	511	528	---	---	---	---	---	---	---	---	---
30	562	519	537	---	---	---	---	---	---	---	---	---
31	536	504	520	---	---	---	---	---	---	---	---	---
MONTH	667	440	530	548	490	517	---	---	---	---	---	---

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	228	196	212
2	---	---	---	---	---	---	---	---	---	218	186	200
3	---	---	---	---	---	---	---	---	---	205	187	195
4	---	---	---	---	---	---	---	---	---	190	172	181
5	---	---	---	---	---	---	---	---	---	181	167	173
6	---	---	---	---	---	---	---	---	---	174	157	164
7	---	---	---	---	---	---	---	---	---	161	150	156
8	---	---	---	---	---	---	---	---	---	174	157	167
9	---	---	---	---	---	---	---	---	---	199	174	190
10	---	---	---	---	---	---	---	---	---	188	163	181
11	---	---	---	---	---	---	---	---	---	163	145	150
12	---	---	---	---	---	---	561	420	517	181	150	165
13	---	---	---	---	---	---	508	411	477	203	179	190
14	---	---	---	---	---	---	463	345	419	211	191	201
15	---	---	---	---	---	---	510	396	438	202	176	183
16	---	---	---	---	---	---	502	461	477	192	169	182
17	---	---	---	---	---	---	462	421	447	169	130	143
18	---	---	---	---	---	---	421	370	386	182	161	177
19	---	---	---	---	---	---	384	361	374	196	175	190
20	---	---	---	---	---	---	378	363	373	188	169	178
21	---	---	---	---	---	---	371	322	334	175	148	158
22	---	---	---	---	---	---	359	307	316	161	132	145
23	---	---	---	---	---	---	422	339	383	143	118	128
24	---	---	---	---	---	---	381	316	349	130	110	119
25	---	---	---	---	---	---	347	275	307	161	126	134
26	---	---	---	---	---	---	346	268	323	164	134	147
27	---	---	---	---	---	---	318	281	293	160	135	145
28	---	---	---	---	---	---	298	233	258	144	117	130
29	---	---	---	---	---	---	244	212	226	133	107	116
30	---	---	---	---	---	---	222	198	214	126	104	114
31	---	---	---	---	---	---	---	---	---	154	102	124
MONTH	---	---	---	---	---	---	561	198	364	228	102	163

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	167	135	149	655	632	643	542	511	527	451	418	437
2	190	160	172	679	655	668	517	502	512	419	411	417
3	205	167	184	750	673	688	506	488	498	439	419	428
4	216	189	202	691	678	684	501	487	494	456	439	444
5	219	202	209	708	680	689	521	488	507	458	450	454
6	256	219	230	726	706	716	517	494	505	465	457	461
7	249	226	235	727	689	705	497	492	494	467	459	463
8	316	244	270	707	690	698	506	491	497	466	461	464
9	321	298	313	789	686	735	511	500	506	479	465	474
10	---	---	---	736	696	711	513	503	509	483	479	481
11	---	---	---	800	700	740	513	499	507	486	481	484
12	---	---	---	700	684	689	551	507	529	491	484	488
13	---	---	---	715	670	687	569	543	552	494	488	490
14	---	---	---	721	697	706	573	544	561	498	491	494
15	---	---	---	710	680	695	544	534	540	501	496	499
16	---	---	---	695	677	685	538	519	530	504	497	499
17	---	---	---	682	638	661	521	501	513	506	500	503
18	---	---	---	691	636	661	557	506	537	509	502	506
19	---	---	---	668	602	629	567	554	563	512	497	505
20	---	---	---	624	590	610	567	542	553	507	497	503
21	530	417	468	616	587	604	551	462	488	514	480	504
22	567	530	546	630	598	616	514	477	501	480	309	412
23	579	567	573	622	603	609	496	484	490	309	240	256
24	599	573	581	615	583	600	504	491	496	301	263	282
25	579	568	573	603	570	586	514	504	511	338	301	319
26	579	568	573	598	550	574	513	458	479	368	338	352
27	680	579	629	602	572	581	498	454	469	402	368	387
28	692	673	684	654	602	632	484	467	477	425	402	413
29	673	626	658	651	606	631	485	467	480	431	422	425
30	632	621	625	609	563	591	483	464	474	452	431	442
31	---	---	---	565	542	559	471	451	459	---	---	---
MONTH	692	135	414	800	542	654	573	451	508	514	240	443
YEAR	800	102	449									

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.7	5.2	7.3	5.0	.6	2.7	---	---	---	---	---	---
2	9.2	4.0	6.5	3.8	.0	1.6	---	---	---	---	---	---
3	10.4	3.7	6.8	3.3	.0	1.2	---	---	---	---	---	---
4	11.0	3.5	6.9	3.4	.0	1.3	---	---	---	---	---	---
5	11.0	3.5	7.0	3.9	.0	1.5	---	---	---	---	---	---
6	10.1	6.0	7.8	3.9	.0	1.5	---	---	---	---	---	---
7	9.9	5.9	7.7	3.4	.0	1.3	---	---	---	---	---	---
8	11.4	4.4	7.7	3.9	.0	1.5	---	---	---	---	---	---
9	12.3	5.2	8.4	4.7	.0	1.8	---	---	---	---	---	---
10	12.5	5.5	8.8	---	---	---	---	---	---	---	---	---
11	12.4	5.2	8.7	---	---	---	---	---	---	---	---	---
12	11.8	5.0	8.4	---	---	---	---	---	---	---	---	---
13	11.9	4.5	8.1	---	---	---	---	---	---	---	---	---
14	11.2	4.2	7.7	---	---	---	---	---	---	---	---	---
15	8.5	3.6	6.3	---	---	---	---	---	---	---	---	---
16	5.9	1.5	3.7	---	---	---	---	---	---	---	---	---
17	4.8	.0	2.0	---	---	---	---	---	---	---	---	---
18	3.9	.6	2.0	---	---	---	---	---	---	---	---	---
19	4.9	.0	2.1	---	---	---	---	---	---	---	---	---
20	6.2	.0	2.7	---	---	---	---	---	---	---	---	---
21	6.9	.2	3.3	---	---	---	---	---	---	---	---	---
22	7.2	.5	3.6	---	---	---	---	---	---	---	---	---
23	7.2	.5	3.7	---	---	---	---	---	---	---	---	---
24	6.8	.4	3.4	---	---	---	---	---	---	---	---	---
25	6.6	.2	3.3	---	---	---	---	---	---	---	---	---
26	6.8	.5	3.5	---	---	---	---	---	---	---	---	---
27	6.3	.3	3.1	---	---	---	---	---	---	---	---	---
28	4.6	.3	2.6	---	---	---	---	---	---	---	---	---
29	4.5	1.3	3.1	---	---	---	---	---	---	---	---	---
30	6.2	1.2	3.3	---	---	---	---	---	---	---	---	---
31	6.2	.4	3.0	---	---	---	---	---	---	---	---	---
MONTH	12.5	.0	5.2	5.0	.0	1.6	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	9.6	1.9	6.0
2	---	---	---	---	---	---	---	---	---	10.4	2.9	6.9
3	---	---	---	---	---	---	---	---	---	10.5	3.2	7.1
4	---	---	---	---	---	---	---	---	---	10.7	3.2	7.2
5	---	---	---	---	---	---	---	---	---	10.8	3.2	7.2
6	---	---	---	---	---	---	---	---	---	10.0	3.4	7.0
7	---	---	---	---	---	---	---	---	---	8.5	4.0	6.3
8	---	---	---	---	---	---	---	---	---	6.6	4.0	5.1
9	---	---	---	---	---	---	---	---	---	9.6	3.4	6.3
10	---	---	---	---	---	---	---	---	---	11.1	5.0	8.2
11	---	---	---	---	---	---	---	---	---	9.2	4.6	6.6
12	---	---	---	---	---	---	7.8	.0	2.8	6.6	2.7	4.6
13	---	---	---	---	---	---	7.0	.0	2.9	8.6	.6	4.6
14	---	---	---	---	---	---	7.4	.0	3.0	9.9	4.3	7.4
15	---	---	---	---	---	---	3.0	.1	1.8	9.1	5.9	7.6
16	---	---	---	---	---	---	9.0	1.4	4.7	11.8	5.1	8.5
17	---	---	---	---	---	---	10.5	2.8	6.5	10.6	3.6	5.6
18	---	---	---	---	---	---	7.0	1.7	4.1	6.7	2.6	4.5
19	---	---	---	---	---	---	3.2	.6	1.9	11.7	4.0	7.6
20	---	---	---	---	---	---	9.8	2.2	5.3	11.8	6.4	9.3
21	---	---	---	---	---	---	7.9	2.3	5.7	11.3	5.4	8.7
22	---	---	---	---	---	---	6.4	1.8	3.4	11.7	5.5	8.9
23	---	---	---	---	---	---	7.0	2.2	4.3	13.0	5.7	9.7
24	---	---	---	---	---	---	7.6	1.7	4.7	11.4	6.1	7.9
25	---	---	---	---	---	---	8.9	1.6	5.4	9.0	5.7	7.7
26	---	---	---	---	---	---	9.9	2.7	6.6	8.9	5.6	7.0
27	---	---	---	---	---	---	10.4	3.1	7.2	10.9	4.6	7.6
28	---	---	---	---	---	---	9.4	2.6	6.3	12.0	6.2	9.4
29	---	---	---	---	---	---	7.9	2.6	5.5	12.9	8.1	10.8
30	---	---	---	---	---	---	8.2	3.0	5.6	13.4	8.0	10.8
31	---	---	---	---	---	---	---	---	---	14.1	8.7	11.4
MONTH	---	---	---	---	---	---	10.5	.0	4.6	14.1	.6	7.5

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.6	9.0	11.8	21.3	14.4	17.8	24.1	15.8	19.7	17.3	14.4	15.7
2	14.3	9.3	11.8	21.5	13.9	18.0	24.9	16.4	20.4	19.2	12.5	15.7
3	16.1	8.9	12.6	22.9	15.2	18.7	22.7	17.4	19.9	18.7	12.1	15.4
4	17.5	10.0	13.8	22.6	14.0	18.2	21.9	17.1	19.4	19.9	12.2	15.9
5	16.2	10.7	13.9	22.2	13.2	17.8	21.7	16.0	18.8	19.7	13.5	16.4
6	18.3	10.9	14.8	23.0	14.4	18.7	23.5	15.3	19.0	18.5	12.5	15.1
7	19.8	11.5	15.8	22.2	15.4	18.7	22.6	14.8	18.5	18.2	11.3	14.8
8	18.8	12.5	15.8	21.5	15.8	18.5	24.2	14.0	18.9	17.9	12.7	15.1
9	19.3	12.8	15.8	21.9	16.0	18.5	25.4	15.0	19.9	16.7	11.1	13.9
10	---	---	---	23.0	14.8	18.7	25.0	17.1	20.7	18.3	10.2	14.1
11	---	---	---	22.5	15.4	19.1	22.1	16.7	19.6	17.6	9.9	13.8
12	---	---	---	20.9	15.6	18.5	22.1	15.3	18.3	18.6	9.5	14.1
13	---	---	---	23.4	15.3	19.3	23.2	14.6	18.7	17.6	9.9	14.1
14	---	---	---	26.2	15.9	20.3	21.4	14.7	18.2	18.9	9.6	14.4
15	---	---	---	24.6	17.0	19.8	21.9	14.8	18.5	19.4	10.6	15.2
16	19.2	11.5	15.3	23.9	16.3	19.6	21.2	15.7	18.3	19.6	10.6	15.3
17	19.4	10.5	15.0	20.5	17.0	18.7	19.6	14.6	17.1	17.8	11.4	14.9
18	16.9	10.1	13.9	21.8	14.0	17.9	19.7	14.2	16.6	19.3	12.4	15.5
19	15.8	12.3	14.1	21.1	13.9	17.8	22.0	14.6	18.0	16.4	11.3	14.1
20	---	---	---	21.3	13.7	17.7	20.9	15.0	17.7	16.8	9.8	13.3
21	20.9	11.0	15.7	22.3	14.1	18.3	20.3	14.4	17.3	12.8	8.6	10.1
22	20.8	12.0	16.6	23.3	14.3	18.7	18.8	13.9	16.4	12.7	8.6	10.4
23	18.2	12.2	15.7	22.4	14.8	18.6	19.9	13.7	16.4	11.4	7.4	9.4
24	21.0	12.2	16.7	21.9	15.6	18.4	19.5	14.3	16.8	9.3	5.4	6.9
25	18.2	13.9	15.9	23.2	14.5	18.5	21.2	13.9	17.2	11.2	4.0	7.5
26	15.9	12.9	14.5	20.4	15.7	18.2	19.7	15.4	17.0	12.8	6.4	9.4
27	18.7	11.6	15.1	19.2	14.6	16.9	18.9	14.4	17.0	14.3	7.5	10.4
28	20.6	12.4	16.7	22.7	13.3	17.8	19.9	15.7	17.4	13.2	7.6	10.2
29	20.9	13.7	17.4	22.8	15.1	19.1	21.1	14.9	17.5	13.3	8.5	10.5
30	21.5	13.2	17.5	23.4	15.2	19.2	19.1	16.2	17.4	13.4	8.6	10.6
31	---	---	---	23.8	15.0	19.4	19.1	13.8	16.3	---	---	---
MONTH	21.5	8.9	15.1	26.2	13.2	18.6	25.4	13.7	18.2	19.9	4.0	13.1
YEAR	26.2	.0	11.6									

401110106244800 WOLFORD MOUNTAIN RESERVOIR AT INFLOW NEAR KREMMLING, CO

WATER-QUALITY RECORDS

LOCATION.--Lat. 40°11'10", long 106°24'48", in $NW^1/_4NW^1/_4$ sec.18, T.2 N, R.81 W., Grand County, Hydrologic Unit 14010001, 5 mi north of Kremmling.

DRAINAGE AREA.--270 mi^2.

PERIOD OF RECORD.--July 1995 to current year.

REMARKS.--Samples were collected at mid-depth at the upper inflow.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT						
22...	1120	.10	626	8.2	9.1	7.4
22...	1121	5.00	626	8.2	8.9	7.4
22...	1122	10.0	625	8.2	8.8	7.4
22...	1123	15.0	627	8.2	8.6	7.4
JUN						
08...	1106	.10	331	8.1	16.6	7.2
08...	1107	5.00	366	8.1	15.0	7.6
08...	1108	10.0	364	8.1	14.1	7.0
08...	1109	15.0	348	8.0	13.7	6.6
08...	1110	18.0	401	8.0	13.5	6.5
JUL						
06...	1130	.10	578	8.2	20.0	7.1
06...	1131	5.00	557	8.3	18.9	7.2
06...	1132	10.0	570	8.3	18.7	7.0
06...	1133	14.0	579	8.2	18.4	6.9
AUG						
24...	1115	.10	645	8.2	19.0	7.0
24...	1116	5.00	642	8.2	18.6	7.0
24...	1117	10.0	637	8.2	18.2	6.7

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
OCT											
22...	1145	626	8.2	8.9	1.9	110	7.4	270	66.5	24.7	25.4
JUN											
08...	1115	364	8.1	14.1	--	52.0	7.0	160	39.3	14.3	15.5
JUL											
06...	1140	557	8.3	18.9	2.8	85.0	7.1	250	60.3	23.0	24.0
AUG											
24...	1130	642	8.2	18.6	2.0	65.0	7.0	280	69.6	26.3	28.0

DATE	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
OCT											
22...	.7	2.2	131	193	2.1	.2	7.3	427	400	.58	<.010
JUN											
08...	.5	1.4	85	95.9	1.5	.1	8.9	248	228	.34	<.010
JUL											
06...	.7	1.9	122	158	1.8	.2	7.6	376	351	.51	<.010
AUG											
24...	.7	2.1	133	198	2.7	.1	7.5	434	414	.59	<.010

401110106244800 WOLFORD MOUNTAIN RESERVOIR AT INFLOW NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)
OCT										
22...	<.050	<.020	--	.35	.35	E.031	<.050	<.010	6.2	<.2
JUN										
08...	<.050	<.020	--	.44	.31	E.041	<.050	<.010	7.3	<.2
JUL										
06...	<.050	.031	.32	.42	.35	<.050	<.050	<.010	--	<.2
AUG										
24...	<.050	<.020	--	.51	.34	.051	<.050	<.010	15	<.2

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT										
22...	59	<3	<2.0	61.6	62	<5	<.1	<.1	<1	<.8
JUN										
08...	120	<3	<2.0	42.4	44	<5	<.1	<.1	<1	<.8
JUL										
06...	117	E2	<2.0	62.1	57	<15	<.1	<.1	<1	<.8
AUG										
24...	60	<3	<2.0	62.7	61	<5	<.1	<.1	--	<.8

DATE	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
OCT										
22...	<2	E1	E1	70	<10	<1	<1	23.9	15	8
JUN										
08...	<2	E1	E1	220	50	<1	<1	13.8	15	6
JUL										
06...	<2	1	E1	140	E20	<1	<1	23.6	37	24
AUG										
24...	<1	3	2	130	<10	<1	<1	25.4	31	21

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT										
22...	<.3	<.2	1	2	E2	2.7	<1	<1	<31	29
JUN										
08...	<.3	<.2	1	E1	<3	E1.8	<1	<1	<31	<20
JUL										
06...	<.3	<.2	2	E1	E2	E2.3	<1	<1	215	<60
AUG										
24...	<.3	<.2	2	2	2	1.9	<1	<1	1	<1

400841106240600 WOLFORD MOUNTAIN RESERVOIR AT MIDLAKE NEAR KREMMLING, CO

WATER-QUALITY RECORDS

LOCATION.--Lat. 40°08'41", long 106°24'06", in NW$^1/_4$NW$^1/_4$ sec.18, T.2 N, R.80 W., Grand County, Hydrologic Unit 14010001, 5 mi north of Kremmling.

DRAINAGE AREA.--270 mi^2.

PERIOD OF RECORD.--July 1995 to current year.

REMARKS.--Samples were collected at mid-depth at the upper inflow.

Note: The following remark codes may appear in the data tables below: e estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT						
22...	1040	.10	620	8.0	9.8	6.6
22...	1041	5.00	620	8.0	9.8	6.6
22...	1042	10.0	620	8.0	9.7	6.6
22...	1043	15.0	621	8.0	9.7	6.6
22...	1044	20.0	622	8.0	9.7	6.5
22...	1045	25.0	622	8.0	9.6	6.3
22...	1046	30.0	622	8.0	9.6	6.3
22...	1047	40.0	623	8.0	9.6	6.3
22...	1048	50.0	627	8.0	9.5	6.4
22...	1049	55.0	656	7.7	9.3	3.4
JUN						
08...	1030	.10	423	8.3	17.5	8.1
08...	1031	5.00	423	8.3	16.1	8.6
08...	1032	10.0	432	8.3	15.3	8.3
08...	1033	15.0	429	8.3	14.6	7.7
08...	1034	20.0	448	8.2	14.1	7.4
08...	1035	25.0	475	8.2	13.0	7.0
08...	1036	30.0	495	8.1	11.6	6.8
08...	1037	40.0	534	8.1	10.3	6.5
08...	1038	50.0	579	8.0	8.7	6.3
08...	1039	60.0	634	8.0	7.9	5.6
08...	1040	67.0	658	7.9	7.6	5.3
JUL						
06...	1010	.10	488	8.4	18.5	7.7
06...	1011	5.00	487	8.4	17.9	7.7
06...	1012	10.0	487	8.4	17.8	7.6
06...	1013	15.0	487	8.3	17.7	7.6
06...	1014	20.0	495	8.3	16.2	6.6
06...	1015	25.0	497	8.2	15.7	6.3
06...	1016	30.0	516	8.1	14.6	5.3
06...	1017	40.0	545	8.0	12.8	4.6
06...	1018	50.0	581	7.9	10.1	4.3
06...	1019	60.0	639	7.9	8.2	3.8
06...	1020	67.0	675	7.8	7.6	3.2
AUG						
24...	1030	.10	570	8.3	18.6	6.5
24...	1031	5.00	570	8.3	18.3	6.5
24...	1032	10.0	570	8.3	18.2	6.4
24...	1033	15.0	570	8.3	18.2	6.4
24...	1034	20.0	571	8.3	18.1	6.4
24...	1035	25.0	571	8.3	18.1	6.4
24...	1036	30.0	585	8.2	17.7	5.2
24...	1037	40.0	591	7.9	14.8	.8
24...	1038	50.0	597	7.8	12.2	.7
24...	1039	58.0	638	7.8	10.0	.4

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
OCT											
22...	1100	620	8.0	9.8	1.4	135	6.6	<1	--	260	65.1
22...	1115	656	7.7	9.3	2.2	--	3.4	--	--	260	65.9
JUN											
08...	1045	423	8.3	17.5	--	80.0	8.1	K1	K1	180	44.1
08...	1100	658	7.9	7.6	--	--	5.3	--	--	260	63.6
JUL											
06...	1030	488	8.4	18.5	1.6	118	7.7	K6	K1	210	52.9
06...	1045	675	7.8	7.6	5.1	--	3.2	--	--	280	66.3
AUG											
24...	1045	570	8.3	18.6	.4	109	6.5	<1	<1	250	63.1
24...	1100	638	7.8	10.0	.5	--	.4	--	--	260	65.6

400841106240600 WOLFORD MOUNTAIN RESERVOIR AT MIDLAKE NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
OCT											
22...	24.2	25.6	.7	2.3	131	192	2.2	.2	7.9	424	398
22...	24.4	25.7	.7	2.2	131	193	2.0	.2	7.5	424	400
JUN											
08...	16.1	17.9	.6	1.5	92	117	1.9	.1	8.2	283	263
08...	25.6	28.1	.8	2.1	121	194	3.3	.1	8.4	425	399
JUL											
06...	19.4	20.5	.6	1.9	104	139	2.1	.1	7.5	329	306
06...	27.3	30.3	.8	2.3	124	204	3.2	.2	8.4	445	417
AUG											
24...	22.0	22.3	.6	2.0	120	168	2.2	.1	7.6	380	360
24...	23.3	23.9	.6	2.0	120	178	2.4	<.1	8.9	396	377

DATE	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
OCT											
22...	.58	<.010	.059	<.020	--	.38	.35	<.050	<.050	<.010	.8
22...	.58	<.010	<.050	.027	.33	.38	.36	<.050	<.050	<.010	--
JUN											
08...	.38	<.010	<.050	<.020	--	.43	.29	<.050	<.050	<.010	.7
08...	.58	<.010	.195	.023	.31	.37	.33	E.034	<.050	<.010	--
JUL											
06...	.45	<.010	<.050	<.020	--	.38	.29	<.050	<.050	<.010	.7
06...	.61	<.010	.261	<.020	--	.37	.30	<.050	<.050	<.010	--
AUG											
24...	.52	<.010	<.050	<.020	--	.39	.31	<.050	<.050	<.010	.6
24...	.54	<.010	.173	<.020	--	.33	.31	E.031	<.050	<.010	--

DATE	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)
OCT											
22...	<.1	59	<3	E1.5	62.4	61	<5	<.1	<.1	<1	<.8
22...	--	83	<3	<2.0	61.7	61	<5	<.1	<.1	<1	<.8
JUN											
08...	<.1	94	<3	<2.0	43.8	45	<5	<.1	<.1	<1	<.8
08...	--	137	<3	<2.0	57.9	58	<5	<.1	<.1	<1	<.8
JUL											
06...	<.1	69	<3	<2.0	50.1	51	<5	<.1	<.1	<1	<.8
06...	--	163	<3	<2.0	60.8	60	<5	<.1	<.1	<1	<.8
AUG											
24...	<.1	39	<3	<2.0	57.1	54	<5	<.1	<.1	--	<.8
24...	--	68	<3	<2.0	55.8	54	<5	<.1	<.1	--	<.8

DATE	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
OCT										
22...	<2	<1	E1	50	<10	<1	<1	22.6	10	4
22...	<2	E1	E1	90	<10	<1	<1	25.1	18	5
JUN										
08...	<2	E1	E1	90	10	<1	<1	15.7	5	3
08...	<2	2	E1	190	<10	<1	<1	26.3	16	E1
JUL										
06...	<2	E1	<1	70	10	<1	<1	18.2	7	6
06...	<2	E1	<1	170	E10	<1	<1	26.6	36	3
AUG										
24...	<1	3	2	40	<10	<1	<1	22.3	3	<1
24...	<1	2	3	120	E10	<1	<1	22.5	18	4

400841106240600 WOLFORD MOUNTAIN RESERVOIR AT MIDLAKE NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
OCT										
22...	<.3	<.2	2	2	E2	3.2	<1	<1	<31	E12
22...	<.3	<.2	1	E2	E2	E2.1	<1	<1	<31	<20
JUN										
08...	<.3	<.2	1	E1	E2	E1.8	<1	<1	<31	<20
08...	<.3	<.2	2	2	E2	2.6	<1	<1	E15	<20
JUL										
06...	<.3	<.2	2	<2	<3	E1.9	<1	<1	<31	<20
06...	<.3	<.2	2	E1	3	2.5	<1	<1	<31	<20
AUG										
24...	<.3	<.2	2	1	2	2.1	<1	<1	1	<1
24...	<.3	<.2	2	2	2	2.0	<1	<1	2	2

400812106254800 ALKALI SLOUGH #2 AT WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°08'12", long 106°25'48", $NW^1/_4NW^1/_4$ sec.18, T.2 N., R.81 W., Grand County, Hydrologic Unit 14010001, 5 mi north of Kremmling.

PERIOD OF RECORD.--July 1996 to current year.

REMARKS.--Samples were collected approximately 100 yards from mouth.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
OCT												
13...	1300	.50	2700	7.6	10.3	2.9	8.3	1800	548	98.1	29.3	.3
JUL												
12...	1045	.50	2400	7.8	12.2	2.0	9.0	1700	571	77.2	24.5	.3

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT												
13...	5.8	188	1580	6.4	.9	9.9	2550	2390	3.47	3.44	11	<.010
JUL												
12...	4.4	239	1480	5.3	.9	10.2	2540	2320	3.46	3.43	13	<.010

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)
OCT											
13...	<.050	.030	.25	.28	.28	<.050	<.050	<.010	6.9	.2	73
JUL											
12...	<.050	.023	.37	.45	.40	<.050	<.050	.024	7.3	<.2	83

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)
OCT											
13...	<3	<2.0	20.3	18	<5	224	<.1	<.1	2	<1.0	<2
JUL											
12...	<3	<2.0	20.6	20	<5	199	E.1	<.1	3	<1.0	<2

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT											
13...	1	E1	400	<30	<1	<1	81.1	47	33	<.3	<.1
JUL											
12...	2	E1	460	<10	<1	<1	58.4	35	37	<.3	<.2

400812106254800 ALKALI SLOUGH #2 AT WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT											
13...	10	10	14	14	11	7.6	<1	<1	5550	<31	<60
JUL											
12...	8	8	16	16	40	24.1	<1	<1	5180	<31	<60

09041395 WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO

LOCATION.--Lat. 40°06'46", long 106°24'52", in $SW^1/_4NE^1/_4$ sec.25, T.2 N, R.81 W., Grand County, Hydrologic Unit 14010001, in outlet tower at dam, 5 mi north of Kremmling.

RESERVOIR ELEVATIONS AND CONTENTS RECORDS

DRAINAGE AREA.--270 mi^2.

PERIOD OF RECORD.--May 1995 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,500.00 ft above sea level; gage readings have been reduced to elevations above sea level.

REMARKS.--Reservoir is formed by an earth-filled dam. Storage began May 1995; dam completed May 1995. Usable capacity, 65,870 acre-ft, at elevation 7,489 ft, crest of spillway. No dead storage. Figures given represent total contents. Water-quality sampling at three sites in reservoir.

COOPERATION.--Colorado River Water Conservation District.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents 68,160 acre-ft, June 3, 1997, elevation, 7,490.62 ft; minimum observed since appreciable storage was first obtained, 27,750 acre-ft, Nov. 10, 17, 1995, elevation 7,455.90 ft.

EXTREMES (AT 2400) FOR CURRENT YEAR.--Maximum contents, 67,700 acre-ft, May 26, elevation, 7,490.21 ft; minimum, 47,400 acre ft, Sept. 30, elevation 7,475.46 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	7,483.89	58,400	-
Oct. 31	7,478.11	50,700	-7,700
Nov. 30	7,477.31	49,700	-1,000
Dec. 31	7,476.80	49,100	-600
CAL YR 1999	-	-	+700
Jan. 31	7,476.50	48,700	-400
Feb. 29	7,476.24	48,400	-300
Mar. 31	7,476.54	48,700	+300
Apr. 30	7,483.61	58,000	+9,300
May 31	7,489.65	66,900	+8,900
June 30	7,488.77	65,500	-1,400
July 31	7,485.89	61,300	-4,200
Aug. 31	7,479.27	52,200	-9,100
Sept. 30	7,475.46	47,400	-4,800
WTR YR 2000	-	-	-11,000

09041395 WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1995 to current year.

REMARKS.--Samples were collected near-surface and near-bottom, near dam.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT						
22...	0945	.10	616	8.0	9.8	7.0
22...	0946	5.00	616	8.0	9.8	6.9
22...	0947	10.0	616	8.0	9.8	6.9
22...	0948	15.0	616	8.0	9.7	6.8
22...	0949	20.0	616	8.0	9.7	6.8
22...	0950	25.0	616	8.0	9.7	6.8
22...	0951	30.0	616	8.0	9.7	6.8
22...	0952	40.0	624	7.9	9.6	5.9
22...	0953	50.0	632	7.9	9.4	5.5
22...	0954	60.0	647	7.6	9.2	2.2
22...	0955	70.0	678	7.5	8.3	.2
22...	0956	80.0	721	7.5	8.1	.2
22...	0957	90.0	892	7.3	8.1	.2
JUN						
08...	0940	.10	441	8.3	16.8	7.9
08...	0941	5.00	440	8.3	16.6	8.0
08...	0942	10.0	436	8.3	16.4	8.0
08...	0943	15.0	437	8.3	16.2	8.0
08...	0944	20.0	456	8.2	14.6	7.5
08...	0945	25.0	495	8.1	12.3	7.0
08...	0946	30.0	511	8.1	11.5	6.9
08...	0947	40.0	543	8.0	10.0	6.7
08...	0948	50.0	598	8.0	8.5	6.6
08...	0949	60.0	637	8.0	8.0	6.0
08...	0950	70.0	652	7.9	7.1	5.4
08...	0951	80.0	733	7.9	6.7	4.8
08...	0952	90.0	763	7.8	6.5	4.5
08...	0953	100	799	7.8	6.3	4.3
JUL						
06...	0915	.10	482	8.3	17.4	7.6
06...	0916	5.00	482	8.3	17.0	7.6
06...	0917	10.0	481	8.3	16.7	7.5
06...	0918	15.0	481	8.3	16.6	7.5
06...	0919	20.0	481	8.3	16.5	7.5
06...	0920	25.0	481	8.3	16.4	7.4
06...	0921	30.0	501	8.1	14.4	5.4
06...	0922	40.0	523	8.0	12.4	4.5
06...	0923	50.0	591	8.0	9.1	4.9
06...	0924	60.0	633	8.0	8.2	4.6
06...	0925	70.0	676	8.0	7.5	4.1
06...	0926	80.0	712	7.9	7.1	3.7
06...	0927	90.0	743	7.9	6.9	3.4
06...	0928	100	777	7.8	6.9	3.3
AUG						
24...	0935	.10	563	8.2	18.0	6.4
24...	0936	5.00	563	8.2	18.0	6.4
24...	0937	10.0	563	8.2	17.9	6.4
24...	0938	15.0	563	8.2	17.9	7.0
24...	0939	20.0	564	8.2	17.9	7.0
24...	0940	25.0	564	8.2	17.8	6.0
24...	0941	30.0	574	8.1	17.3	3.9
24...	0942	40.0	576	7.9	15.6	1.4
24...	0943	50.0	605	7.8	10.7	1.6
24...	0944	60.0	654	7.8	9.1	1.3
24...	0945	70.0	700	7.8	8.0	.9
24...	0946	80.0	736	7.7	7.7	.9
24...	0947	88.0	773	7.7	7.7	.8

09041395 WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT											
22...	1005	616	8.0	9.8	6.4	141	7.0	<1	--	260	65.0
22...	1020	892	7.3	8.1	1.4	--	.2	--	--	310	78.9
JUN											
08...	1000	441	8.3	16.8	--	136	7.9	K1	K1	190	46.3
08...	1015	799	7.8	6.3	--	--	4.3	--	--	330	77.3
JUL											
06...	0935	482	8.3	17.4	1.9	103	7.6	K4	K1	210	51.8
06...	0950	777	7.8	6.9	3.5	--	3.3	--	--	340	81.1
AUG											
24...	1000	563	8.2	18.0	.4	108	6.4	K1	K1	250	63.3
24...	1015	773	7.7	7.7	1.6	--	.8	--	--	320	77.0

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
OCT											
22...	24.0	24.9	.7	2.2	139	189	2.2	.2	7.7	419	399
22...	28.1	28.7	.7	2.5	130	239	2.8	.2	10.2	497	469
JUN											
08...	17.1	18.8	.6	1.6	95	124	2.4	.1	8.1	296	275
08...	33.5	37.0	.9	2.3	134	258	3.9	.2	<.1	538	494
JUL											
06...	19.1	20.4	.6	1.9	103	138	2.2	.1	7.4	324	303
06...	32.5	34.2	.8	2.5	132	257	3.3	.2	8.5	534	500
AUG											
24...	22.0	22.6	.6	1.9	119	167	2.3	.1	7.6	374	359
24...	30.3	33.3	.8	2.4	132	242	3.5	<.1	9.2	507	478

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)
OCT											
22...	.57	<.010	.056	<.020	--	.43	.34	E.034	<.050	<.010	.8
22...	.68	<.010	.207	.078	.40	.37	.48	<.050	<.050	<.010	--
JUN											
08...	.40	<.010	<.050	.021	.28	.35	.30	<.050	<.050	<.010	1.4
08...	.73	<.010	.268	.021	.32	.34	.34	<.050	<.050	<.010	--
JUL											
06...	.44	<.010	<.050	<.020	--	.38	.30	<.050	<.050	<.010	1.4
06...	.73	<.010	.359	.020	.28	.38	.30	<.050	<.050	<.010	--
AUG											
24...	.51	<.010	<.050	<.020	--	.36	.32	<.050	<.050	<.010	1.1
24...	.69	<.010	.304	<.020	--	.34	.31	<.050	<.050	<.010	--

DATE	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT											
22...	<.1	164	<3	<2.0	63.6	61	<5	.1	<.1	<1	<.8
22...	--	35	<3	<2.0	61.3	61	<5	<.1	<.1	<1	<.8
JUN											
08...	<.1	89	<3	<2.0	45.5	47	<5	<.1	<.1	<1	<.8
08...	--	112	<3	<2.0	61.1	63	<5	<.1	<.1	<1	E.4
JUL											
06...	<.1	66	<3	<2.0	50.1	50	<5	<.1	<.1	<1	<.8
06...	--	110	<3	<2.0	61.4	62	<5	<.1	<.1	<1	<.8
AUG											
24...	<.1	37	<3	<2.0	56.6	55	<5	<.1	<.1	--	<.8
24...	--	44	<3	<2.0	59.5	62	<5	<.1	<.1	--	<.8

09041395 WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
OCT										
22...	<2	E1	E1	230	<10	<1	<1	25.8	--	--
22...	<2	E1	E1	50	E10	<1	<1	24.7	--	--
JUN										
08...	<2	1	E1	90	10	<1	<1	17.1	4	3
08...	<2	1	E1	150	<10	<1	<1	32.6	27	E2
JUL										
06...	E1	1	<1	70	20	<1	<1	18.5	6	4
06...	<2	E1	<1	110	<10	<1	<1	30.5	65	4
AUG										
24...	<1	3	2	50	<10	<1	<1	21.9	3	<1
24...	<1	3	2	80	<10	<1	<1	28.0	65	2

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT										
22...	<.3	<.2	2	3	4	E2.3	<1	<1	<31	<20
22...	<.3	<.2	1	2	E2	3.9	<1	<1	<31	<20
JUN										
08...	<.3	<.2	2	E1	3	E2.0	<1	<1	<31	<20
08...	<.3	E.1	2	2	5	3.2	<1	<1	<31	<20
JUL										
06...	<.3	<.2	<1	E1	E2	E1.7	<1	<1	<31	<20
06...	<.3	<.2	3	E2	3	3.5	<1	<1	<31	<20
AUG										
24...	<.3	<.2	2	2	2	2.2	<1	<1	1	<1
24...	<.3	<.2	3	2	3	3.0	<1	<1	2	1

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO

LOCATION.--Lat 40°06'31", long 106°24'48", in $NW^1/_4SE^1/_4$ sec. 25, T.2 N., R.81 W., Grand County, Hydrologic Unit 14010001, on left bank 1,500 ft downstream from Wolford Mountain Reservoir, and 4 mi northwest of Kremmling.

DRAINAGE AREA.--270 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1995 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,380 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow is entirely regulated by Wolford Mountain Reservoir.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	67	25	23	22	21	33	59	381	78	203	33
2	47	41	24	23	22	21	33	83	353	78	234	74
3	47	30	23	23	22	21	33	83	338	77	234	141
4	47	30	23	22	22	21	32	85	307	77	233	140
5	46	17	23	22	22	21	29	87	275	78	233	99
6	46	23	23	22	22	21	50	106	239	77	231	35
7	46	29	23	22	22	21	87	164	235	77	231	39
8	46	29	23	22	22	21	109	199	215	78	230	81
9	45	30	23	22	21	21	108	239	180	79	223	115
10	45	31	23	22	21	21	88	272	174	78	190	114
11	63	29	23	22	21	21	43	558	158	78	157	114
12	134	29	23	22	21	21	27	782	152	78	157	115
13	171	30	23	22	21	21	26	672	138	77	157	116
14	198	29	23	22	21	21	27	617	115	77	157	116
15	201	29	23	22	21	22	27	478	111	77	157	115
16	203	30	23	22	21	22	27	314	138	77	157	115
17	204	30	23	22	21	22	26	267	129	50	157	115
18	203	30	23	22	21	22	27	268	128	33	157	115
19	202	30	23	22	21	21	28	196	138	32	156	115
20	201	30	23	22	21	21	27	144	143	40	157	116
21	201	29	23	22	21	21	27	192	134	59	125	97
22	200	30	23	22	21	21	28	226	122	86	85	53
23	201	29	23	22	21	21	28	341	111	134	82	30
24	202	22	23	22	21	21	27	473	105	162	78	31
25	202	28	23	22	21	21	27	591	102	162	77	29
26	177	27	23	22	21	21	27	699	113	174	76	28
27	107	27	23	22	21	21	26	720	118	184	75	27
28	107	27	23	22	21	21	26	644	117	184	77	22
29	108	27	23	22	21	19	27	597	119	183	76	38
30	108	26	23	22	---	19	27	561	91	183	49	22
31	109	---	23	22	---	27	---	485	---	182	32	---
TOTAL	3996	895	716	685	617	657	1157	11202	5179	3089	4643	2400
MEAN	129	29.8	23.1	22.1	21.3	21.2	38.6	361	173	99.6	150	80.0
MAX	204	67	25	23	22	27	109	782	381	184	234	141
MIN	45	17	23	22	21	19	26	59	91	32	32	22
AC-FT	7930	1780	1420	1360	1220	1300	2290	22220	10270	6130	9210	4760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	87.7	31.8	22.1	23.5	26.0	44.3	102	333	263	81.1	93.6	112
MAX	172	46.5	32.7	32.3	34.4	75.8	249	454	492	99.6	153	189
(WY)	1998	1998	1998	1998	1998	1997	1996	1998	1997	2000	1996	1998
MIN	35.3	23.7	7.07	15.8	21.0	21.2	38.6	113	164	60.4	39.3	51.2
(WY)	1997	1997	1996	1996	1996	2000	2000	1999	1996	1996	1995	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	28996		35236			
ANNUAL MEAN	79.4		96.3		104	
HIGHEST ANNUAL MEAN					129	1997
LOWEST ANNUAL MEAN					73.2	1999
HIGHEST DAILY MEAN	496	Jun 1	782	May 12	992	Jun 3 1997
LOWEST DAILY MEAN	17	Nov 5	17	Nov 5	2.8	Dec 3 1995
ANNUAL SEVEN-DAY MINIMUM	22	Jan 12	20	Mar 24	3.4	Dec 2 1995
INSTANTANEOUS PEAK FLOW			889	May 12	1030	Jun 2 1997
INSTANTANEOUS PEAK STAGE			7.83	May 12	8.39	Jun 2 1997
ANNUAL RUNOFF (AC-FT)	57510		69890		75330	
10 PERCENT EXCEEDS	197		207		226	
50 PERCENT EXCEEDS	56		33		53	
90 PERCENT EXCEEDS	23		21		22	

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1995 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1995 to current year.
WATER TEMPERATURE: October 1995 to current year.
DISSOLVED OXYGEN: October 1995 to current year.

INSTRUMENTATION.--Water-quality monitor from Oct. 1995 to current year.

REMARKS.--Water temperature records are rated good. Specific conductance record is rated good except for the periods: Mar. 15 to Apr. 11 and June 7 to July 5 which are rated fair. Dissolved oxygen records are rated fair except for the periods: Dec. 21 to Mar. 14, May 10 to July. 5, and July 13 to Aug. 22 which are rated poor.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum 1,910 microsiemens, Oct. 20, 1996; minimum, 281 microsiemens, June 10, 1997.
WATER TEMPERATURE: Maximum 19.2°C, June 24, 1997; minimum 1.1°C, Feb. 2, 1996.
DISSOLVED OXYGEN: Maximum, 11.9 mg/L, July 3, 1998; minimum, 4.9 mg/L, July 31, 1996.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1450 microsiemens, Nov. 6; minimum, 445 microsiemens, June 15.
WATER TEMPERATURE: Maximum, 17.4°C, June 14-15; minimum, 1.4°C, Dec. 15, 25-27.
DISSOLVED OXYGEN: Maximum, 11.4 mg/L, Dec. 15; minimum, 5.4 mg/L, Nov. 4.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT												
13...	1200	150	600	8.3	11.4	1.3	8.6	--	--	270	68.2	24.1
NOV												
16...	1015	28	639	8.3	7.0	1.7	7.5	--	--	290	71.7	26.8
DEC												
16...	1115	24	656	8.4	2.1	.8	9.1	<1	--	300	75.2	26.8
JAN												
12...	1250	22	666	8.2	2.7	.7	8.8	<1	--	290	71.9	27.4
FEB												
23...	1245	22	682	8.1	3.4	.7	9.0	<1	<1	300	74.7	28.0
MAR												
14...	1215	20	676	8.3	3.4	.4	8.7	<1	<1	300	74.0	28.2
APR												
11...	1440	28	713	8.1	5.8	.6	10.3	<1	<1	310	74.5	29.4
MAY												
09...	1300	252	648	8.6	7.5	--	9.5	<1	<1	290	69.6	27.3
JUN												
06...	1220	254	445	8.4	15.1	3.3	8.4	--	<1	190	46.4	16.9
JUL												
12...	1225	78	667	8.2	9.2	3.1	9.4	<1	<1	290	70.6	27.5
AUG												
22...	1100	90	604	8.4	12.8	.9	8.5	<1	--	270	66.5	24.3
SEP												
06...	1120	37	625	8.3	12.8	1.5	8.3	<1	<1	260	64.5	25.0

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
OCT												
13...	24.6	.7	2.0	129	187	2.0	.2	7.4	420	393	.57	170
NOV												
16...	28.1	.7	2.2	133	210	2.5	.2	7.6	455	430	.62	34.5
DEC												
16...	28.9	.7	2.2	136	217	2.5	.2	7.7	467	442	.64	29.8
JAN												
12...	28.8	.7	2.5	137	223	3.0	.2	7.6	479	447	.65	28.8
FEB												
23...	29.7	.7	2.2	138	218	2.9	.2	7.4	466	446	.63	27.9
MAR												
14...	30.2	.8	2.3	136	224	3.6	.2	7.5	482	453	.66	26.5
APR												
11...	31.1	.8	2.5	138	244	3.1	.1	7.3	515	476	.70	38.4
MAY												
09...	31.0	.8	2.5	132	212	3.1	.2	7.8	463	434	.63	315
JUN												
06...	18.6	.6	1.8	97	128	1.9	.1	8.0	299	280	.41	205
JUL												
12...	30.6	.8	2.3	125	214	3.5	.2	8.1	465	433	.63	97.6
AUG												
22...	26.8	.7	2.2	122	191	2.9	.2	8.3	420	397	.57	102
SEP												
06...	27.0	.7	2.2	125	197	2.9	.2	8.2	438	403	.60	43.8

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L AS C) (00689)
OCT												
13...	3	<.010	<.050	.020	.29	.39	.31	<.050	E.036	<.010	7.0	<.2
NOV												
16...	--	<.010	.082	.025	.34	.40	.36	<.050	<.050	<.010	--	--
DEC												
16...	<1	<.010	.058	<.020	--	.54	.32	<.050	<.050	<.010	6.4	.2
JAN												
12...	--	<.010	.084	.028	.29	.49	.32	<.050	<.050	.016	--	--
FEB												
23...	--	<.010	.121	<.020	--	.39	.32	<.050	<.050	<.010	--	--
MAR												
14...	--	<.010	.147	<.020	--	.36	.59	<.050	<.050	<.010	--	--
APR												
11...	--	<.010	.223	<.020	--	.36	.32	<.050	<.050	<.010	--	--
MAY												
09...	--	<.010	.160	<.020	--	.40	.26	<.050	<.050	<.010	--	--
JUN												
06...	--	<.010	.056	.024	.29	.38	.32	<.050	<.050	<.010	--	--
JUL												
12...	<10	<.010	.144	<.020	--	.37	.33	<.050	<.050	.026	6.8	<.2
AUG												
22...	<10	<.010	.171	<.020	--	.35	.32	<.050	<.050	<.010	6.3	<.2
SEP												
06...	--	<.010	.188	<.020	--	.38	.32	<.050	<.050	<.010	--	--

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)
OCT 13...	--	--	--	--	--	--	--	--	--	--	--	--
NOV 16...	--	--	--	--	--	--	--	--	--	--	--	--
DEC 16...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 12...	--	--	--	--	--	--	--	--	--	--	--	--
FEB 23...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 14...	--	--	--	--	--	--	--	--	--	--	--	--
APR 11...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 09...	--	--	--	--	--	--	--	--	--	--	--	--
JUN 06...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 12...	77	<3	<2.0	58.0	58	<5	53	<.1	<.1	<1	<.8	<2
AUG 22...	55	<3	<2.0	56.6	57	<5	63	<.1	<.1	--	<.8	<1
SEP 06...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT 13...	--	--	60	<10	--	--	--	7	3	--	--
NOV 16...	--	--	70	<10	--	--	--	14	7	--	--
DEC 16...	--	--	20	E10	--	--	--	17	14	--	--
JAN 12...	--	--	20	<10	--	--	--	13	10	--	--
FEB 23...	--	--	<20	E10	--	--	--	7	7	--	--
MAR 14...	--	--	<20	E10	--	--	--	6	4	--	--
APR 11...	--	--	120	<10	--	--	--	5	4	--	--
MAY 09...	--	--	240	<10	--	--	--	13	E1	--	--
JUN 06...	--	--	110	10	--	--	--	5	4	--	--
JUL 12...	1	E1	100	<10	<1	<1	26.1	14	E2	<.3	<.2
AUG 22...	2	E1	90	<10	<1	<1	25.5	17	6	<.3	<.2
SEP 06...	--	--	80	E10	--	--	--	19	5	--	--

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT											
13...	--	--	--	--	--	--	--	--	--	--	--
NOV											
16...	--	--	--	--	--	--	--	--	--	--	--
DEC											
16...	--	--	--	--	--	--	--	--	--	--	--
JAN											
12...	--	--	--	--	--	--	--	--	--	--	--
FEB											
23...	--	--	--	--	--	--	--	--	--	--	--
MAR											
14...	--	--	--	--	--	--	--	--	--	--	--
APR											
11...	--	--	--	--	--	--	--	--	--	--	--
MAY											
09...	--	--	--	--	--	--	--	--	--	--	--
JUN											
06...	--	--	--	--	--	--	--	--	--	--	--
JUL											
12...	3	1	2	2	E2	E2.3	<1	<1	606	<3	<20
AUG											
22...	2	2	2	2	2	E1.9	<1	<1	581	3	<20
SEP											
06...	--	--	--	--	--	--	--	--	--	--	--

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.9	6.8	7.3	9.2	8.3	8.7	8.9	6.8	7.5	9.3	8.5	8.8
2	7.5	6.7	7.0	9.2	6.2	8.1	9.0	6.9	7.5	9.2	8.4	8.8
3	7.3	6.6	6.9	8.0	5.7	6.4	9.2	6.9	7.7	9.2	8.6	8.8
4	7.4	6.6	6.9	6.8	5.4	5.9	9.2	7.3	7.9	9.4	8.7	8.9
5	7.6	6.8	7.1	---	---	---	9.2	7.4	8.0	9.4	8.5	8.8
6	7.5	6.8	7.0	9.0	6.5	7.8	9.4	7.4	8.0	9.2	8.5	8.8
7	7.4	6.6	6.9	8.9	7.7	8.1	9.0	7.4	7.9	9.2	8.3	8.7
8	7.6	6.8	7.1	8.8	7.7	8.0	9.3	7.5	8.2	9.0	8.4	8.7
9	7.6	6.7	7.1	---	---	---	9.5	7.8	8.3	9.1	8.5	8.7
10	7.6	6.7	7.0	---	---	---	9.4	7.7	8.3	8.9	8.1	8.5
11	7.8	6.8	7.4	---	---	---	9.5	7.9	8.5	8.7	8.0	8.3
12	8.3	7.4	7.9	---	---	---	9.7	8.2	8.7	9.2	7.9	8.3
13	---	---	---	---	---	---	9.7	8.2	8.7	8.8	8.2	8.4
14	---	---	---	7.3	5.5	5.5	9.6	8.1	8.6	8.9	8.2	8.5
15	8.6	8.4	8.5	7.9	5.5	5.5	9.8	8.2	8.8	8.9	8.3	8.5
16	8.7	8.5	8.6	---	---	---	---	---	---	8.8	8.2	8.4
17	8.9	8.6	8.8	7.7	5.6	6.2	---	---	---	8.9	8.2	8.4
18	8.8	8.7	8.7	8.0	5.6	6.4	---	---	---	8.7	8.2	8.4
19	8.9	8.7	8.8	8.1	5.9	6.6	---	---	---	8.7	8.0	8.3
20	8.9	8.7	8.8	8.2	5.9	6.5	9.2	7.8	8.3	8.5	7.8	8.1
21	8.9	8.8	8.8	8.3	5.9	6.6	9.2	8.2	8.6	8.3	7.6	7.9
22	9.0	8.8	8.9	8.3	6.0	6.8	9.1	8.1	8.5	8.4	7.5	7.9
23	9.0	8.8	8.9	8.4	6.2	6.9	9.0	8.0	8.5	8.4	7.6	8.0
24	9.0	8.8	8.9	---	---	---	9.0	8.0	8.4	8.5	7.7	8.0
25	9.1	8.9	9.0	8.7	6.7	7.2	9.0	8.0	8.4	8.4	7.7	8.0
26	9.1	8.5	8.9	8.7	6.6	7.3	9.1	8.0	8.5	8.5	7.7	8.0
27	---	---	---	8.8	6.6	7.3	9.2	8.0	8.6	8.9	7.8	8.3
28	8.9	8.3	8.6	8.9	6.7	7.4	9.2	8.4	8.7	8.7	8.0	8.3
29	8.8	8.3	8.6	8.8	6.8	7.4	9.3	8.5	8.8	8.8	8.0	8.3
30	9.0	8.7	8.8	8.9	6.8	7.5	9.3	8.5	8.8	8.7	7.9	8.3
31	9.1	8.7	8.8	---	---	---	9.3	8.5	8.8	8.6	7.8	8.2
MONTH	9.1	6.6	8.1	9.2	5.4	7.0	9.8	6.8	8.4	9.4	7.5	8.4

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.5	7.9	8.2	8.5	7.6	8.0	10.6	9.9	10.2	9.4	7.9	8.9
2	8.3	7.8	8.0	8.7	7.5	8.1	10.2	9.7	10.0	9.5	9.2	9.4
3	8.2	7.6	7.8	8.8	7.7	8.2	10.4	9.8	10.1	9.7	9.3	9.5
4	8.2	7.6	7.8	8.8	7.9	8.2	10.3	9.6	9.9	9.6	9.4	9.5
5	8.3	7.4	7.8	9.1	7.8	8.3	10.0	9.2	9.6	9.5	9.2	9.4
6	8.4	7.6	7.8	8.9	7.8	8.3	10.5	9.5	9.9	9.6	9.1	9.3
7	8.2	7.6	7.8	9.0	7.8	8.2	10.7	10.3	10.5	9.6	9.1	9.4
8	8.2	7.5	7.8	9.2	7.7	8.4	10.8	10.5	10.7	9.7	9.2	9.5
9	8.2	7.6	7.9	9.4	8.0	8.6	10.7	10.4	10.5	9.7	9.2	9.5
10	8.2	7.6	7.9	9.3	8.2	8.7	10.7	10.4	10.5	9.6	8.9	9.1
11	8.3	7.7	7.9	9.6	8.3	8.9	10.6	9.7	10.2	9.8	9.2	9.5
12	8.3	7.6	7.9	9.7	8.2	8.9	10.4	9.7	10.0	9.7	9.5	9.6
13	8.3	7.4	7.8	9.3	8.1	8.6	10.3	9.6	10.0	9.9	9.7	9.8
14	8.3	7.6	7.9	9.1	8.2	8.6	10.2	9.4	9.8	9.9	9.7	9.8
15	8.1	7.4	7.7	8.9	8.1	8.5	10.1	9.5	9.8	---	---	---
16	8.1	7.3	7.7	9.0	8.1	8.5	10.2	9.4	9.8	9.8	9.5	9.7
17	8.1	7.2	7.6	9.1	8.1	8.5	10.1	9.2	9.7	9.7	9.4	9.5
18	8.1	7.4	7.7	8.9	8.2	8.5	10.0	9.3	9.6	9.8	9.6	9.7
19	8.1	7.4	7.7	8.8	8.1	8.4	10.2	9.4	9.6	9.9	9.3	9.6
20	8.2	7.5	7.8	8.9	7.9	8.2	10.1	9.1	9.6	9.6	9.2	9.4
21	8.1	7.4	7.7	8.7	7.9	8.2	9.8	9.0	9.4	9.4	9.1	9.3
22	8.1	7.5	7.7	8.5	7.8	8.1	9.7	9.0	9.2	9.4	9.1	9.2
23	8.3	7.4	7.7	8.6	7.7	8.1	9.8	9.0	9.3	9.3	9.0	9.1
24	8.2	7.5	7.9	8.4	7.7	8.0	9.7	8.9	9.3	9.4	9.0	9.2
25	8.5	7.6	8.0	8.5	7.7	8.1	9.5	8.7	9.1	9.7	9.3	9.5
26	8.3	7.5	7.8	8.4	7.6	7.9	9.4	8.4	8.9	---	---	---
27	8.4	7.4	7.8	8.4	7.5	7.8	9.1	8.3	8.7	---	---	---
28	8.3	7.5	7.8	8.0	7.0	7.5	9.1	8.3	8.6	---	---	---
29	8.5	7.6	7.9	9.6	6.9	8.2	9.0	8.0	8.6	---	---	---
30	---	---	---	10.0	9.3	9.5	8.7	7.9	8.3	---	---	---
31	---	---	---	10.8	9.3	10.0	---	---	---	9.9	9.3	9.6
MONTH	8.5	7.2	7.8	10.8	6.9	8.4	10.8	7.9	9.6	9.9	7.9	9.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.7	8.6	9.2	9.8	8.0	8.7	8.8	7.9	8.3	7.9	6.8	7.2
2	9.2	8.7	8.9	10.0	8.2	9.0	8.4	7.9	8.2	9.1	6.8	7.9
3	8.9	8.3	8.7	10.0	8.2	9.0	8.3	7.6	8.0	8.8	8.3	8.6
4	8.6	7.8	8.3	10.2	8.3	9.1	9.0	7.8	8.3	8.6	8.2	8.4
5	8.5	7.9	8.2	10.6	8.3	9.2	8.7	8.2	8.5	8.6	7.3	8.1
6	---	---	---	10.1	8.3	9.1	9.1	8.5	8.8	8.6	7.2	7.8
7	---	---	---	10.1	8.2	8.9	9.1	8.2	8.6	8.4	7.6	7.9
8	---	---	---	10.0	8.2	8.9	8.7	7.9	8.4	8.3	7.6	8.0
9	---	---	---	9.7	8.2	8.8	8.8	7.1	8.4	8.3	8.0	8.1
10	8.7	8.1	8.4	9.5	8.2	8.7	9.4	8.7	9.1	8.3	7.9	8.1
11	8.5	7.9	8.2	9.5	8.2	8.7	9.0	8.3	8.6	8.3	7.9	8.0
12	8.4	7.8	8.2	9.2	7.7	8.4	9.0	8.1	8.5	8.2	7.8	8.0
13	8.3	7.0	7.9	9.1	7.7	8.4	9.0	7.9	8.5	8.4	7.9	8.2
14	7.7	6.3	7.1	9.0	7.8	8.4	8.9	8.2	8.5	8.3	7.9	8.1
15	7.3	6.3	6.7	8.9	7.8	8.2	8.7	8.1	8.4	8.3	7.9	8.1
16	7.7	6.3	7.1	8.8	7.7	8.2	9.4	8.5	8.9	8.3	7.9	8.1
17	7.9	7.0	7.4	8.6	6.7	7.8	9.2	8.7	8.9	8.3	7.9	8.1
18	7.6	6.8	7.3	8.6	6.7	7.5	8.9	8.3	8.6	8.3	7.8	8.1
19	7.9	7.1	7.4	8.7	6.7	7.6	8.8	8.3	8.6	8.2	7.8	8.0
20	7.9	6.5	7.3	8.4	6.6	7.5	9.2	8.5	8.9	8.3	7.8	8.0
21	7.7	6.7	7.2	8.4	7.1	7.7	9.4	8.3	8.8	8.0	7.6	7.8
22	7.9	6.7	7.4	8.8	7.2	7.9	9.1	8.1	8.4	8.2	7.0	7.7
23	8.2	7.0	7.6	8.8	7.7	8.2	8.8	8.2	8.5	8.1	6.9	7.4
24	8.5	7.5	7.9	8.3	7.8	8.1	8.8	8.2	8.4	8.1	7.1	7.5
25	8.7	7.5	8.0	8.6	7.6	8.0	8.8	8.2	8.5	8.4	7.0	7.6
26	8.8	7.9	8.3	8.9	7.4	8.3	8.6	8.1	8.3	8.6	7.0	7.5
27	9.2	7.8	8.5	8.8	8.2	8.6	8.5	8.0	8.2	8.5	7.0	7.6
28	9.2	8.1	8.7	8.9	8.2	8.5	8.3	7.8	8.0	---	---	---
29	9.3	8.1	8.7	8.6	8.0	8.2	8.0	7.2	7.7	8.6	7.2	8.0
30	9.7	7.9	8.8	9.0	8.2	8.4	8.1	6.7	7.6	8.6	7.2	7.7
31	---	---	---	9.2	8.1	8.7	7.8	6.7	7.2	---	---	---
MONTH	9.7	6.3	8.0	10.6	6.6	8.4	9.4	6.7	8.4	9.1	6.8	7.9
YEAR	10.8	5.4	8.3									

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	607	599	603	637	631	634	662	659	661	672	670	671
2	607	603	605	649	636	641	663	660	661	672	670	671
3	608	604	606	645	642	644	663	660	661	671	669	670
4	607	604	605	649	644	646	662	660	661	670	669	670
5	612	604	607	1300	---	---	662	660	661	670	668	669
6	616	607	610	1450	1130	1350	662	660	661	670	668	669
7	614	606	609	1130	846	942	662	659	661	672	669	671
8	610	605	608	846	671	778	661	659	660	672	670	671
9	609	605	607	---	---	---	661	658	660	671	668	670
10	610	605	607	---	---	---	661	659	660	669	667	668
11	611	606	608	---	---	---	660	659	660	668	667	668
12	606	599	604	---	---	---	660	659	660	676	667	672
13	609	599	605	---	---	---	661	659	660	677	675	676
14	613	608	610	656	653	654	664	660	662	679	677	678
15	614	607	610	666	654	657	664	662	663	679	677	678
16	610	607	608	658	655	657	666	662	665	679	676	677
17	611	608	610	658	653	657	666	664	665	677	675	676
18	613	610	611	659	657	658	665	660	664	677	675	676
19	614	610	612	659	657	658	666	664	665	680	672	677
20	615	613	613	659	657	658	667	665	666	682	675	676
21	620	614	616	659	655	658	668	665	666	675	670	674
22	624	620	622	658	655	657	666	665	665	674	673	674
23	626	621	623	659	656	658	666	664	665	676	673	674
24	627	624	625	---	---	---	666	664	665	676	674	675
25	629	623	626	660	657	659	667	664	665	677	675	676
26	630	626	629	660	658	659	667	665	666	677	675	676
27	---	---	---	661	658	660	668	665	666	676	674	675
28	651	628	636	660	658	660	668	665	667	677	674	675
29	647	629	633	660	658	659	670	667	669	678	676	677
30	632	629	631	661	659	660	670	667	669	681	678	679
31	634	630	632	---	---	---	672	668	670	683	680	681
MONTH	651	599	614	1450	631	703	672	658	664	683	667	674

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	683	681	682	682	680	681	686	682	685	679	659	669
2	682	680	681	681	679	680	687	678	682	669	659	662
3	681	679	680	681	679	680	687	682	685	667	658	661
4	682	679	681	681	679	680	689	682	685	677	658	666
5	682	680	681	681	676	680	706	683	690	682	652	664
6	681	679	680	682	679	681	710	700	705	696	650	669
7	682	679	681	684	669	682	708	695	701	689	645	667
8	682	680	681	684	681	682	711	701	707	689	640	666
9	682	681	682	681	678	680	713	700	707	676	655	661
10	682	680	681	681	679	680	716	705	712	710	628	665
11	681	678	680	681	679	680	721	711	717	732	611	667
12	680	679	679	683	680	681	721	712	714	658	612	635
13	680	678	679	681	680	680	720	704	711	670	640	655
14	680	676	679	684	680	682	782	693	726	671	648	661
15	681	676	679	685	678	683	778	708	733	---	---	---
16	681	679	680	685	682	684	708	683	691	694	629	651
17	680	676	679	685	683	684	728	684	705	658	608	623
18	681	679	680	687	684	685	750	715	726	640	629	634
19	681	678	680	686	684	685	751	719	734	634	610	624
20	681	678	680	687	685	686	719	696	707	635	606	623
21	683	680	681	688	685	686	714	693	699	617	585	599
22	682	678	681	687	685	686	714	701	710	612	583	596
23	688	680	682	688	684	686	723	712	720	594	570	584
24	680	679	679	689	685	688	718	694	710	579	558	567
25	680	678	679	690	688	689	696	688	692	567	543	557
26	680	679	680	693	689	690	694	686	692	---	---	---
27	682	680	681	695	691	693	697	686	691	---	---	---
28	682	680	681	695	692	693	724	687	703	---	---	---
29	682	680	681	695	690	692	722	671	696	---	---	---
30	---	---	---	692	682	688	671	660	664	---	---	---
31	---	---	---	687	684	685	---	---	---	579	526	546
MONTH	688	676	680	695	669	684	782	660	703	732	526	635

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	541	469	495	---	---	---	662	601	634	602	580	591
2	470	464	467	---	---	---	620	596	609	622	573	588
3	465	459	462	---	---	---	620	590	609	618	597	609
4	459	450	452	---	---	---	620	588	606	616	595	609
5	476	447	453	---	---	---	620	596	604	627	600	614
6	---	---	---	680	648	667	620	597	606	640	616	626
7	---	---	---	674	654	667	621	598	606	634	617	626
8	---	---	---	679	631	660	618	581	604	635	614	625
9	---	---	---	668	647	657	611	587	605	630	616	624
10	512	455	466	678	653	667	614	598	606	631	613	622
11	465	454	458	679	652	667	616	589	604	629	609	622
12	508	451	469	668	658	664	616	592	603	632	618	622
13	496	455	470	676	659	669	617	591	603	632	623	627
14	457	450	453	678	646	664	611	593	604	629	621	625
15	470	445	451	677	658	669	611	596	605	630	624	626
16	554	469	491	672	645	664	821	591	623	631	624	627
17	557	532	547	673	656	666	610	601	605	633	624	629
18	571	538	556	687	655	664	613	595	604	633	620	628
19	589	541	570	668	637	653	614	594	605	633	625	629
20	566	538	551	654	633	644	614	602	607	636	625	630
21	554	530	543	649	622	637	612	603	609	633	625	630
22	557	531	546	642	616	629	615	603	609	648	630	638
23	639	546	591	649	617	628	610	599	604	646	628	637
24	655	614	643	641	607	627	616	605	610	636	623	629
25	663	633	647	641	605	627	620	597	607	637	634	636
26	666	641	657	638	601	624	617	605	611	639	634	636
27	670	626	653	634	598	622	616	601	607	638	624	631
28	662	645	653	632	609	622	621	605	613	---	---	---
29	667	637	655	626	599	616	614	601	608	626	616	620
30	---	---	---	646	611	626	622	604	615	626	623	625
31	---	---	---	673	614	652	618	591	609	---	---	---
MONTH	670	445	536	687	598	648	821	581	608	648	573	623
YEAR	1450	445	649									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	12.9	11.9	12.3	8.9	7.8	8.2	5.4	4.3	4.7	2.8	1.6	2.1
2	12.8	11.6	12.2	9.3	7.4	8.0	5.3	4.3	4.6	2.7	1.9	2.1
3	12.6	11.4	12.0	9.0	7.7	8.1	4.6	3.8	4.2	2.8	1.8	2.0
4	12.6	11.2	11.8	8.9	7.7	8.1	4.8	3.7	4.0	2.9	1.6	2.1
5	12.3	11.0	11.5	---	---	---	4.4	3.4	3.7	2.6	1.8	2.1
6	12.2	11.1	11.4	8.2	6.6	7.3	4.5	3.2	3.6	2.7	1.5	1.9
7	11.7	11.0	11.3	8.2	6.8	7.4	3.8	3.2	3.4	2.8	1.5	1.9
8	11.9	10.9	11.3	8.3	6.8	7.4	3.6	2.6	3.2	2.8	1.8	2.2
9	12.0	10.7	11.2	---	---	---	3.3	2.4	2.7	2.8	1.8	2.2
10	12.1	10.7	11.2	---	---	---	3.2	2.3	2.6	2.5	1.9	2.2
11	11.8	10.6	11.1	8.1	---	---	2.9	2.0	2.3	3.2	2.0	2.4
12	11.5	10.9	11.2	---	---	---	2.8	1.7	2.1	3.0	1.9	2.4
13	11.5	11.0	11.2	---	---	---	2.5	1.5	2.0	3.1	1.8	2.2
14	11.3	10.8	11.1	7.8	6.6	7.0	2.4	1.5	1.8	3.1	1.9	2.3
15	11.3	10.8	11.1	7.9	6.4	6.9	2.5	1.4	1.9	3.3	1.9	2.4
16	11.0	10.5	10.8	7.6	6.5	6.8	2.4	1.9	2.1	3.0	2.4	2.5
17	10.5	10.2	10.3	7.6	6.3	6.8	2.9	1.9	2.2	3.3	2.3	2.6
18	10.4	10.1	10.2	6.8	6.0	6.4	2.8	1.8	2.2	2.8	2.4	2.6
19	10.1	9.9	10.0	6.9	5.9	6.2	3.0	2.1	2.4	3.6	2.2	2.7
20	10.1	9.8	10.0	6.7	5.8	6.1	2.5	1.8	2.1	3.9	2.3	2.7
21	10.0	9.6	9.8	6.6	5.5	6.0	2.6	1.6	1.9	3.1	2.4	2.7
22	9.8	9.4	9.6	6.1	5.4	5.7	2.2	1.6	1.9	3.2	2.2	2.5
23	9.7	9.3	9.4	6.0	5.0	5.4	2.7	1.6	2.0	3.3	2.1	2.5
24	9.6	9.2	9.4	---	---	---	2.6	1.5	1.9	3.0	2.1	2.5
25	9.5	9.2	9.3	5.3	4.6	4.9	2.5	1.4	1.8	3.0	2.4	2.6
26	9.4	8.9	9.2	5.9	4.8	5.2	2.5	1.4	1.8	3.2	2.5	2.7
27	---	---	---	5.7	4.8	5.1	2.6	1.4	1.8	2.9	1.8	2.3
28	9.1	8.7	8.8	5.7	4.6	5.0	2.8	1.7	2.1	2.9	1.7	2.2
29	8.9	8.5	8.7	5.6	4.6	4.9	2.9	1.8	2.1	3.0	1.7	2.1
30	8.8	8.3	8.5	5.5	4.5	4.8	2.7	1.6	2.0	2.9	1.5	2.0
31	9.0	8.2	8.4	---	---	---	2.6	1.6	2.0	3.0	1.6	2.1
MONTH	12.9	8.2	10.5	9.3	4.5	6.4	5.4	1.4	2.6	3.9	1.5	2.3

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.0	1.6	2.1	3.3	1.9	2.4	4.1	2.4	3.1	7.8	6.6	7.3
2	3.1	1.8	2.3	3.7	2.3	2.8	3.6	2.7	3.0	7.5	6.4	6.8
3	3.4	1.8	2.3	3.9	2.1	2.7	4.1	2.4	3.1	7.5	6.2	6.8
4	3.1	1.9	2.3	3.9	1.9	2.7	4.6	2.5	3.4	7.4	6.2	6.7
5	3.0	1.8	2.3	3.9	2.0	2.6	5.1	3.2	4.0	7.9	6.0	6.8
6	3.6	1.9	2.4	3.9	2.1	2.8	5.0	3.4	3.9	7.9	5.8	6.7
7	3.5	1.9	2.4	4.3	2.3	2.8	4.2	3.6	3.8	7.8	6.0	6.8
8	3.1	1.8	2.3	3.4	2.3	2.7	4.4	3.5	3.9	8.2	6.3	7.2
9	2.8	1.9	2.3	3.4	2.3	2.7	4.7	3.6	4.1	7.7	6.5	7.2
10	3.1	2.2	2.6	3.6	2.1	2.6	4.9	3.7	4.2	9.0	6.0	7.8
11	3.2	2.3	2.6	3.6	2.0	2.6	5.8	3.8	4.5	8.9	5.7	7.4
12	3.3	2.3	2.5	3.9	2.3	2.8	5.5	3.5	4.3	8.7	7.8	8.3
13	3.1	2.2	2.6	3.9	2.3	2.8	5.6	3.6	4.4	8.5	7.7	8.0
14	3.5	2.3	2.6	3.7	2.1	2.8	5.4	3.3	4.2	8.3	7.7	7.9
15	3.8	2.1	2.7	3.0	2.1	2.5	4.4	3.3	3.9	---	---	---
16	3.2	1.9	2.5	4.0	1.7	2.6	5.9	3.8	4.6	8.4	7.3	7.9
17	3.2	2.2	2.6	4.0	2.0	2.6	6.0	3.9	4.7	8.6	7.7	8.3
18	3.6	2.1	2.6	4.0	2.0	2.7	5.5	3.6	4.2	8.3	8.1	8.2
19	3.5	1.8	2.4	4.0	1.9	2.7	4.3	3.5	3.9	8.8	8.1	8.5
20	3.2	1.6	2.2	3.4	2.3	2.6	6.2	4.1	4.9	9.5	8.2	8.8
21	3.7	1.9	2.5	4.1	2.0	2.7	6.2	4.3	5.0	10.2	8.7	9.5
22	2.6	1.9	2.3	3.3	2.0	2.6	4.8	4.1	4.5	10.7	9.6	10.0
23	3.7	2.1	2.7	4.1	2.3	2.8	5.6	4.3	4.7	11.8	10.2	10.9
24	3.7	2.0	2.5	4.0	2.4	2.9	6.0	4.1	4.9	11.8	10.9	11.4
25	3.1	2.0	2.4	3.9	2.2	2.9	6.8	4.7	5.6	11.1	10.3	10.7
26	3.4	2.0	2.5	4.3	2.5	3.0	7.3	5.0	6.1	---	---	---
27	3.8	2.0	2.6	4.6	2.4	3.3	7.6	5.5	6.4	---	---	---
28	3.7	2.1	2.6	4.2	2.8	3.4	7.5	5.1	6.1	---	---	---
29	3.7	2.1	2.7	5.1	2.8	3.5	7.7	4.9	6.3	11.9	---	---
30	---	---	---	4.2	2.6	3.1	9.2	7.2	8.0	---	---	---
31	---	---	---	3.5	2.5	3.0	---	---	---	12.2	9.3	10.8
MONTH	3.8	1.6	2.5	5.1	1.7	2.8	9.2	2.4	4.6	12.2	5.7	8.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.4	10.3	13.3	9.5	7.7	8.4	10.9	8.8	9.7	13.4	11.9	12.4
2	15.5	14.0	14.8	9.2	7.8	8.3	11.2	10.6	10.9	13.3	11.9	12.4
3	16.1	14.5	15.3	9.1	8.1	8.5	11.5	10.6	11.0	13.4	12.4	13.0
4	17.0	14.9	16.0	9.8	7.9	8.5	11.7	10.7	11.2	13.5	12.6	13.1
5	16.5	13.3	15.5	9.1	7.6	8.4	11.7	10.9	11.3	13.4	12.1	13.0
6	---	---	---	9.1	7.9	8.4	11.6	10.5	11.2	13.8	11.8	12.4
7	---	---	---	8.8	7.9	8.4	11.6	10.6	11.3	13.5	11.9	12.7
8	---	---	---	9.1	8.3	8.7	11.9	10.8	11.5	13.4	12.2	12.7
9	14.8	---	---	9.3	8.3	8.7	11.8	11.2	11.5	13.1	12.5	12.7
10	15.4	11.5	14.1	9.2	7.9	8.5	11.9	11.1	11.6	13.2	12.5	12.9
11	16.1	13.8	14.9	9.1	8.1	8.6	12.1	11.2	11.8	13.3	12.7	13.0
12	16.7	12.4	14.7	9.4	8.1	8.5	12.7	11.1	11.7	13.7	12.5	13.1
13	16.4	12.7	14.7	9.3	8.1	8.6	12.8	11.5	12.0	13.4	12.6	13.0
14	17.4	15.1	16.2	9.5	8.3	8.7	12.3	11.5	11.9	13.6	12.6	13.0
15	17.4	14.6	16.3	9.4	8.2	8.6	12.5	11.6	12.1	13.5	12.7	13.0
16	14.7	11.7	14.0	9.5	8.5	8.9	12.7	11.4	12.1	13.6	12.6	13.0
17	12.8	11.2	12.0	10.2	8.4	9.0	12.5	11.8	12.2	13.5	12.8	13.1
18	12.1	10.6	11.3	10.7	8.4	9.2	12.8	11.6	12.4	13.7	13.0	13.3
19	11.2	9.9	10.5	10.2	8.0	9.0	13.2	11.6	12.4	13.5	12.9	13.2
20	12.1	10.3	11.3	10.2	8.0	8.9	12.8	12.1	12.4	13.4	12.9	13.2
21	13.3	10.8	12.0	9.7	8.0	8.8	12.9	12.1	12.5	13.3	12.7	12.9
22	12.5	11.2	11.9	9.4	8.0	8.7	13.0	12.1	12.7	14.0	12.2	12.9
23	11.3	9.0	10.1	9.2	8.0	8.6	13.3	12.1	12.5	13.0	11.6	12.5
24	9.7	8.2	9.0	9.1	8.2	8.6	13.2	12.1	12.6	13.0	11.9	12.4
25	8.9	8.3	8.6	9.1	8.2	8.7	13.6	12.2	12.8	13.2	11.4	12.2
26	8.4	7.9	8.2	9.2	8.4	8.7	13.5	12.3	12.8	13.3	11.7	12.2
27	8.6	7.9	8.2	9.3	8.6	8.8	13.6	12.4	12.8	14.0	11.5	12.6
28	8.7	7.7	8.2	9.1	8.5	8.9	13.3	12.1	12.8	---	---	---
29	8.9	7.7	8.1	9.6	8.7	9.0	14.4	12.4	13.1	14.4	13.0	13.5
30	9.9	7.6	8.5	9.4	8.6	9.0	13.6	12.3	12.7	14.1	12.8	13.2
31	---	---	---	9.3	8.8	9.1	13.5	11.9	12.5	---	---	---
MONTH	17.4	7.6	12.2	10.7	7.6	8.7	14.4	8.8	12.0	14.4	11.4	12.8
YEAR	17.4	1.4	7.1									

09041900 MONTE CRISTO DIVERSION NEAR HOOSIER PASS, CO

LOCATION.--Lat 39°22'51", long 106°04'15", in $NE^1/_4SE^1/_4$ sec.2, T.8 S., R.78W., Summit County, Hydrologic Unit 14010002, on left bank at entrance to Hoosier Pass tunnel, 2,200 ft downstream from diversion point, 1.4 mi northwest of Hoosier Pass, and 7 mi southwest of Breckenridge.

PERIOD OF RECORD.--October 1957 to current year (seasonal records only).

GAGE.--Water-stage recorder with satellite telemetry, and Parshall flume. Elevation of gage is 10,986 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. This is a transmountain diversion from Monte Cristo Creek in Blue River basin through Hoosier Pass tunnel to South Platte River basin from which it is again diverted to South Catamount Creek in the Arkansas River basin. Water is for municipal use by city of Colorado Springs. Diversion point is in $SW^1/_4NE^1/_4$ sec.2, T.8 S., R.78 W. The entire flow is regulated by diversion gates.

COOPERATION.--Gage-height record collected in cooperation with city of Colorado Springs.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 73 ft^3/s, Sept. 29, 1994; no flow for most of each year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	---	---	---	---	---	---	e.00	6.9	1.6	33	e.00
2	32	---	---	---	---	---	---	e.00	6.5	e.50	33	e.00
3	35	---	---	---	---	---	---	e.00	6.1	e.00	e34	e.00
4	38	---	---	---	---	---	---	e.00	5.5	e.00	34	e.00
5	37	---	---	---	---	---	---	e.00	5.1	e1.2	33	e.00
6	36	---	---	---	---	---	---	e.00	4.9	6.5	33	e.00
7	35	---	---	---	---	---	---	e6.9	4.8	8.1	32	e.00
8	34	---	---	---	---	---	---	7.0	4.7	8.8	32	e.00
9	33	---	---	---	---	---	---	4.4	4.3	9.4	31	e.00
10	32	---	---	---	---	---	---	5.1	3.5	4.7	31	e.00
11	30	---	---	---	---	---	---	6.3	3.1	9.2	32	e.00
12	28	---	---	---	---	---	---	4.8	2.8	12	35	e.00
13	27	---	---	---	---	---	---	3.2	2.7	11	35	e.00
14	25	---	---	---	---	---	---	2.9	2.3	11	34	e.00
15	23	---	---	---	---	---	---	3.0	2.1	11	33	e.00
16	21	---	---	---	---	---	---	4.2	2.0	3.2	32	e.00
17	25	---	---	---	---	---	---	3.9	2.0	1.1	34	e.00
18	27	---	---	---	---	---	---	2.8	1.8	.60	36	e.00
19	e6.4	---	---	---	---	---	---	2.6	2.2	5.1	34	e.00
20	e.00	---	---	---	---	---	---	2.8	3.5	e6.4	32	e.00
21	e.00	---	---	---	---	---	---	3.4	2.8	e.00	31	e.00
22	e.00	---	---	---	---	---	---	5.7	2.4	e.00	22	e.00
23	e.00	---	---	---	---	---	---	8.5	2.0	e.00	13	e.00
24	e.00	---	---	---	---	---	---	9.3	1.8	e16	9.7	e.00
25	e.00	---	---	---	---	---	---	8.5	1.7	40	4.4	e.00
26	e.00	---	---	---	---	---	---	6.3	1.9	39	e2.0	e.00
27	e.00	---	---	---	---	---	---	4.7	2.0	36	e.00	e.00
28	e.00	---	---	---	---	---	---	6.5	2.0	35	e.00	e.00
29	e.00	---	---	---	---	---	---	10	1.8	35	e.00	e.00
30	e.00	---	---	---	---	---	---	9.6	1.7	34	e.00	e.00
31	e.00	---	---	---	---	---	---	8.3	---	34	e.00	---
TOTAL	558.40	---	---	---	---	---	---	140.70	96.9	380.40	745.10	0.00
MEAN	18.0	---	---	---	---	---	---	4.54	3.23	12.3	24.0	.000
MAX	38	---	---	---	---	---	---	10	6.9	40	36	.00
MIN	.00	---	---	---	---	---	---	.00	1.7	.00	.00	.00
AC-FT	1110	---	---	---	---	---	---	279	192	755	1480	.00

e Estimated.

09044300 BEMROSE-HOOSIER DIVERSION NEAR HOOSIER PASS, CO

LOCATION.--Lat 39°22'50", long 106°04'13", in NE $^1/_4$ SE $^1/_4$ sec.2, T.8 S., R.78 W., Summit County, Hydrologic Unit 14010002, on right bank at entrance to Hoosier Pass tunnel, 1.4 mi northwest of Hoosier Pass, 1.6 mi downstream from diversion point on Bemrose Creek, and 7 mi southwest of Breckenridge.

PERIOD OF RECORD.--October 1957 to current year (seasonal records only).

GAGE.--Water-stage recorder with satellite telemetry, and Parshall flume. Elevation of gage is 10,986 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. This is a transmountain diversion from Bemrose and Hoosier Creeks in Blue River basin through Hoosier Pass tunnel to South Platte River basin from which it is again diverted to South Catamount Creek in the Arkansas River basin. Water is for municipal use by city of Colorado Springs. Diversion points are in SW $^1/_4$ SW $^1/_4$ sec.6, T.8 S., R.77 W., and in sec.12, T.8 S., R.78 W. The entire flow is regulated by diversion gates.

COOPERATION.--Gage-height record collected in cooperation with City of Colorado Springs.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 44 ft^3/s, June 21, 1965; no flow for most of each year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e.00	20	6.3	1.4	e.00
2	---	---	---	---	---	---	---	e.00	19	6.2	1.4	e.00
3	---	---	---	---	---	---	---	e.00	18	6.4	e.50	e.00
4	---	---	---	---	---	---	---	e.00	17	5.9	e.00	e.00
5	---	---	---	---	---	---	---	e.00	16	5.2	e.00	e.00
6	---	---	---	---	---	---	---	e.00	16	5.3	e.00	e.00
7	---	---	---	---	---	---	---	4.0	15	5.6	e.00	e.00
8	---	---	---	---	---	---	---	4.9	14	5.3	e.00	e.00
9	---	---	---	---	---	---	---	3.8	13	4.3	e.00	e.00
10	---	---	---	---	---	---	---	5.7	12	3.9	e.00	e.00
11	---	---	---	---	---	---	---	6.8	11	3.7	e.00	e.00
12	---	---	---	---	---	---	---	5.0	10	e1.5	e.00	e.00
13	---	---	---	---	---	---	---	3.9	10	e.20	e.00	e.00
14	---	---	---	---	---	---	---	4.2	9.1	e.80	e.00	e.00
15	---	---	---	---	---	---	---	4.5	9.1	e.00	e.00	e.00
16	---	---	---	---	---	---	---	5.8	8.7	e.00	e.00	e.00
17	---	---	---	---	---	---	---	4.7	8.1	e.00	e.00	e.00
18	---	---	---	---	---	---	---	3.7	7.5	e.00	e.00	e.00
19	---	---	---	---	---	---	---	4.0	8.0	e.00	e.00	e.00
20	---	---	---	---	---	---	---	4.2	8.4	e.00	e.00	e.00
21	---	---	---	---	---	---	---	5.0	7.1	e.00	e.00	e.00
22	---	---	---	---	---	---	---	7.3	6.8	e.00	e.00	e.00
23	---	---	---	---	---	---	---	12	7.2	e.00	e.00	e.00
24	---	---	---	---	---	---	---	17	7.5	e.80	e.00	e.00
25	---	---	---	---	---	---	---	15	7.4	1.7	e.00	e.00
26	---	---	---	---	---	---	---	12	7.2	1.6	e.00	e.00
27	---	---	---	---	---	---	---	11	7.5	1.7	e.00	e.00
28	---	---	---	---	---	---	---	15	7.0	1.7	e.00	e.00
29	---	---	---	---	---	---	---	22	6.6	1.6	e.00	e.00
30	---	---	---	---	---	---	---	23	6.3	1.5	e.00	e.00
31	---	---	---	---	---	---	---	21	---	1.5	e.00	---
TOTAL	---	---	---	---	---	---	---	225.50	320.5	72.70	3.30	0.00
MEAN	---	---	---	---	---	---	---	7.27	10.7	2.35	.11	.000
MAX	---	---	---	---	---	---	---	23	20	6.4	1.4	.00
MIN	---	---	---	---	---	---	---	.00	6.3	.00	.00	.00
AC-FT	---	---	---	---	---	---	---	447	636	144	6.5	.00

e Estimated.

09044800 MCCULLOUGH-SPRUCE-CRYSTAL DIVERSION NEAR HOOSIER PASS, CO

LOCATION.--Lat 39°22'51", long 106°04'14", in $NE^{1}/_{4}SE^{1}/_{4}$ sec.2, T.8 S., R.78 W., Summit County, Hydrologic Unit 14010002, on left bank at entrance to Hoosier Pass tunnel, 1.4 mi northwest of Hoosier Pass, 1.6 mi downstream from diversion point on McCullough Gulch, and 7 mi southwest of Breckenridge.

PERIOD OF RECORD.--October 1957 to current year (seasonal records only). Prior to October 1961, published as McCullough Diversion near Hoosier Pass.

GAGE.--Water-stage recorder with satellite telemetry, and Parshall flume. Elevation of gage is 10,986 ft, above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. This is a transmountain diversion from McCullough Gulch and Spruce and Crystal Creeks in Blue River basin through Hoosier Pass tunnel to South Platte River basin from which it is again diverted to South Catamount Creek in the Arkansas River basin. Water is for municipal use by city of Colorado Springs. Diversion points are in secs.14, 23, and 26, T.7 S., R.78 W. The entire flow is regulated by diversion gates.

COOPERATION.--Gage-height record collected in cooperation with City of Colorado Springs.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 132 ft^3/s, June 22, 1996; no flow for most of each year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e.00	77	25	e.00	e.00
2	---	---	---	---	---	---	---	e.00	75	26	e.00	e.00
3	---	---	---	---	---	---	---	e.00	75	26	e.00	e.00
4	---	---	---	---	---	---	---	e.00	73	21	e.00	e.00
5	---	---	---	---	---	---	---	e.00	72	18	e.00	e.00
6	---	---	---	---	---	---	---	e.00	70	19	e.00	e.00
7	---	---	---	---	---	---	---	e.00	75	19	e.00	e.00
8	---	---	---	---	---	---	---	e4.6	76	21	e.00	e.00
9	---	---	---	---	---	---	---	8.0	69	28	e.00	e.00
10	---	---	---	---	---	---	---	13	56	21	e.00	e.00
11	---	---	---	---	---	---	---	20	50	18	e.00	e.00
12	---	---	---	---	---	---	---	17	50	17	e.00	e.00
13	---	---	---	---	---	---	---	12	45	15	e.00	e.00
14	---	---	---	---	---	---	---	11	35	16	e.00	e.00
15	---	---	---	---	---	---	---	12	42	16	e.00	e.00
16	---	---	---	---	---	---	---	17	44	20	e.00	e.00
17	---	---	---	---	---	---	---	20	37	24	e.00	e.00
18	---	---	---	---	---	---	---	11	35	11	e.00	e.00
19	---	---	---	---	---	---	---	9.1	47	14	e.00	e.00
20	---	---	---	---	---	---	---	9.1	47	e10	e.00	e.00
21	---	---	---	---	---	---	---	11	37	e.00	e.00	e.00
22	---	---	---	---	---	---	---	22	38	e.00	e.00	e.00
23	---	---	---	---	---	---	---	47	38	e.00	e.00	e.00
24	---	---	---	---	---	---	---	69	37	e.00	e.00	e.00
25	---	---	---	---	---	---	---	63	42	e.00	e.00	e.00
26	---	---	---	---	---	---	---	45	49	e.00	e.00	e.00
27	---	---	---	---	---	---	---	32	39	e.00	e.00	e.00
28	---	---	---	---	---	---	---	50	22	e.00	e.00	e.00
29	---	---	---	---	---	---	---	95	23	e.00	e.00	e.00
30	---	---	---	---	---	---	---	98	24	e.00	e.00	e.00
31	---	---	---	---	---	---	---	89	---	e.00	e.00	---
TOTAL	---	---	---	---	---	---	---	784.80	1499	385.00	0.00	0.00
MEAN	---	---	---	---	---	---	---	25.3	50.0	12.4	.000	.000
MAX	---	---	---	---	---	---	---	98	77	28	.00	.00
MIN	---	---	---	---	---	---	---	.00	22	.00	.00	.00
AC-FT	---	---	---	---	---	---	---	1560	2970	764	.00	.00

09046490 BLUE RIVER AT BLUE RIVER, CO

LOCATION.--Lat 39°27'21", long 106°01'52", in NE1/4SE1/4 sec.7, T.7 S, R.77 W., Summit County, Hydrologic Unit 14010002 on left bank, 350 ft downstream from spillway of Goose Pasture Tarn Dam and 2.0 mi southeast of Breckenridge.

DRAINAGE AREA.--42.4 mi^2 .

PERIOD OF RECORD.--October 1983 to current year.

REVISED RECORDS.--WDR CO-95-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 9,835 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Transmountain diversions upstream from station by Boreas Pass ditch and Hoosier Pass tunnel. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	14	9.9	5.5	6.7	9.8	4.4	71	116	40	28	66
2	20	13	9.8	6.0	6.7	19	5.0	61	107	40	28	61
3	19	13	11	6.3	6.4	21	5.5	62	101	47	28	54
4	18	12	12	6.4	6.2	20	5.8	81	93	56	29	49
5	19	12	12	6.3	6.1	20	5.9	101	87	51	28	45
6	19	11	11	6.2	6.2	20	5.9	29	82	46	26	45
7	23	11	11	6.3	6.4	19	6.8	54	77	44	24	46
8	22	11	10	6.3	6.2	18	6.9	83	72	49	23	41
9	22	11	12	6.4	6.4	16	7.0	59	68	58	22	39
10	21	11	12	6.6	6.3	9.7	5.1	51	63	57	21	33
11	19	11	13	6.3	5.9	4.6	3.2	61	58	48	21	28
12	18	10	13	6.5	5.6	5.2	3.3	60	53	39	23	26
13	17	10	13	6.4	5.7	4.9	3.2	49	52	38	23	23
14	17	9.9	13	6.4	5.6	4.2	3.2	52	49	37	21	22
15	16	9.9	13	6.3	4.9	3.5	3.2	49	45	37	21	21
16	16	9.9	12	6.2	4.6	3.6	3.0	50	42	47	24	20
17	17	10	13	6.4	4.6	3.6	3.1	59	40	64	29	19
18	20	9.9	12	6.7	4.2	3.7	3.2	51	38	86	30	19
19	18	12	12	7.0	3.8	3.9	3.3	48	39	57	29	19
20	23	11	12	6.9	3.6	3.8	3.3	48	48	39	27	19
21	24	12	11	6.5	3.8	3.9	3.4	45	37	41	29	21
22	19	13	12	6.4	4.0	3.9	3.4	51	32	42	35	36
23	16	14	10	6.4	4.3	4.0	3.3	67	30	39	34	29
24	15	14	8.7	6.6	5.2	4.1	3.6	93	29	38	37	31
25	15	14	8.8	6.6	5.6	4.0	3.7	104	29	38	43	28
26	14	13	7.8	6.7	5.4	4.0	3.7	100	31	37	57	27
27	14	11	7.0	6.6	5.3	4.0	3.7	90	35	37	75	25
28	14	9.9	6.5	6.5	5.3	4.0	35	88	45	34	58	23
29	15	10	6.1	6.3	5.6	4.1	67	112	43	32	80	22
30	14	10	5.7	6.4	---	4.1	76	126	41	30	85	22
31	14	---	5.5	6.6	---	4.1	---	123	---	29	69	---
TOTAL	557	343.5	325.8	199.0	156.6	257.7	293.1	2178	1682	1377	1107	959
MEAN	18.0	11.4	10.5	6.42	5.40	8.31	9.77	70.3	56.1	44.4	35.7	32.0
MAX	24	14	13	7.0	6.7	21	76	126	116	86	85	66
MIN	14	9.9	5.5	5.5	3.6	3.5	3.0	29	29	29	21	19
AC-FT	1100	681	646	395	311	511	581	4320	3340	2730	2200	1900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	19.5	13.3	9.96	7.12	5.66	5.40	11.3	61.7	125	88.1	46.0	26.8
MAX	32.2	26.5	18.9	14.3	8.11	8.31	21.9	128	276	327	120	44.3
(WY)	1985	1985	1985	1985	1985	2000	1989	1996	1995	1995	1995	1984
MIN	13.5	8.62	6.96	4.67	4.12	3.66	5.53	26.0	56.1	23.0	18.0	14.2
(WY)	1992	1992	1995	1995	1991	1999	1993	1995	2000	1991	1986	1986

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1984 - 2000	
ANNUAL TOTAL	14583.1		9435.7			
ANNUAL MEAN	40.0		25.8		35.1	
HIGHEST ANNUAL MEAN					70.4	1995
LOWEST ANNUAL MEAN					20.5	1990
HIGHEST DAILY MEAN	306	Jun 25	126	May 30	578	Jul 12 1995
LOWEST DAILY MEAN	3.0	Mar 16	3.0	Apr 16	a3.0	Mar 16 1999
ANNUAL SEVEN-DAY MINIMUM	3.2	Mar 14	3.2	Apr 11	3.2	Mar 14 1999
INSTANTANEOUS PEAK FLOW			141	May 29	681	Jun 18 1995
INSTANTANEOUS PEAK STAGE			1.86	May 29	3.23	Jun 18 1995
ANNUAL RUNOFF (AC-FT)	28930		18720		25420	
10 PERCENT EXCEEDS	123		60		88	
50 PERCENT EXCEEDS	13		16		15	
90 PERCENT EXCEEDS	4.0		4.1		5.1	

a Also occurred many times many years.

09046530 FRENCH GULCH AT BRECKENRIDGE, CO

LOCATION.--Lat. 39°29'35", long. 106°02'39", in $SE^{1}/_{4}SW^{1}/_{4}$, sec.30, T.6 S, R.77 W, Summit County, Hydrologic Unit 14010002, on left bank, 300 ft south of Summit Co. Rd. 450, 200 ft upstream from bridge on Hwy. 9, in Breckenridge.

DRAINAGE AREA.--10.9 mi^2.

PERIOD OF RECORD.--October 1995 to current year. Water-quality data available, October 1995 to September 1999. Daily water temperature record available, October 1996 to September 1998.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,510 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversion or regulation upstream from gage. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	3.9	2.8	1.9	e1.6	e1.6	1.9	7.7	66	14	6.7	6.9
2	5.1	3.6	2.8	1.9	e1.5	1.6	1.8	8.4	61	14	6.6	6.5
3	5.0	3.5	2.8	2.0	e1.5	1.7	1.9	10	58	14	6.4	6.3
4	4.9	3.5	e2.6	e1.9	e1.6	e1.7	1.9	13	53	13	6.3	6.1
5	4.8	3.4	e2.5	1.8	e1.6	1.7	2.3	16	49	12	6.2	5.9
6	4.8	3.3	2.8	1.7	1.7	1.7	2.6	20	45	12	6.0	5.8
7	5.5	3.3	e2.6	e1.6	e1.6	1.8	2.6	22	44	12	5.8	5.8
8	5.4	3.4	e2.5	1.7	e1.7	1.7	2.6	21	41	12	5.7	5.6
9	5.4	3.4	e2.5	1.7	1.8	1.7	3.2	18	38	13	5.5	5.5
10	5.6	3.1	e2.3	e1.7	1.7	1.7	3.4	18	35	12	5.4	5.2
11	5.4	3.1	e2.3	1.9	1.8	e1.6	3.4	23	32	11	5.4	5.0
12	5.2	3.0	2.4	1.8	1.6	e1.6	3.5	22	29	11	5.5	4.8
13	5.1	3.0	e2.2	1.6	1.6	e1.6	3.8	18	28	11	6.0	4.6
14	5.0	3.0	e2.2	1.7	e1.6	1.7	4.1	17	26	10	5.8	4.3
15	4.9	3.0	e2.3	1.6	1.6	1.7	4.0	16	25	10	5.9	4.3
16	4.8	3.0	e2.2	1.6	e1.6	e1.6	3.8	17	24	10	5.8	4.2
17	4.4	3.1	2.3	1.6	1.6	e1.7	4.0	20	22	12	6.1	4.0
18	4.6	3.1	e2.1	1.6	1.6	e1.7	4.3	17	20	11	6.6	4.2
19	4.6	2.6	e2.1	1.6	e1.6	e1.6	4.4	16	20	10	6.4	4.2
20	4.4	2.6	e2.2	1.7	e1.6	1.7	4.0	16	21	9.9	6.1	4.3
21	4.4	2.7	e2.1	1.6	1.7	e1.8	4.2	16	19	9.4	6.0	4.6
22	4.3	2.7	e2.1	1.6	1.6	1.8	4.4	18	18	8.9	6.1	5.4
23	4.3	2.5	e2.0	e1.5	1.7	1.9	4.3	26	17	8.5	6.2	4.3
24	4.1	2.2	e2.1	e1.6	e1.6	2.0	4.4	41	17	8.2	6.1	4.4
25	3.8	2.6	e2.0	1.7	1.6	1.9	4.2	46	17	8.0	6.0	4.2
26	3.8	2.6	2.1	1.8	e1.6	2.0	4.7	43	17	7.8	6.4	4.3
27	3.7	2.7	2.0	1.7	e1.6	2.0	5.5	38	18	8.0	6.5	4.2
28	3.7	2.9	2.0	e1.6	1.7	2.1	6.4	39	16	7.7	6.2	4.1
29	3.9	2.9	2.0	e1.5	1.7	2.1	7.6	57	15	7.4	7.7	4.1
30	3.8	2.9	1.9	e1.6	---	2.0	8.3	70	15	7.1	7.4	4.1
31	3.8	---	1.9	e1.6	---	2.0	---	70	---	6.9	7.2	---
TOTAL	143.7	90.6	70.7	52.4	47.3	55.0	117.5	800.1	906	321.8	192.0	147.2
MEAN	4.64	3.02	2.28	1.69	1.63	1.77	3.92	25.8	30.2	10.4	6.19	4.91
MAX	5.6	3.9	2.8	2.0	1.8	2.1	8.3	70	66	14	7.7	6.9
MIN	3.7	2.2	1.9	1.5	1.5	1.6	1.8	7.7	15	6.9	5.4	4.0
AC-FT	285	180	140	104	94	109	233	1590	1800	638	381	292

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.90	3.31	2.50	1.90	1.86	1.94	3.36	22.0	49.9	19.4	9.84	6.20
MAX	5.15	3.78	2.74	2.10	2.04	2.09	4.07	38.8	75.0	27.3	12.4	7.05
(WY)	1996	1999	1996	1998	1996	1997	1997	1996	1997	1999	1997	1999
MIN	4.64	3.02	2.28	1.69	1.63	1.77	2.48	10.8	22.0	10.4	6.19	4.91
(WY)	2000	2000	2000	2000	2000	2000	1998	1998	1998	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	4369.9		2944.3			
ANNUAL MEAN	12.0		8.04		10.6	
HIGHEST ANNUAL MEAN					13.0	1997
LOWEST ANNUAL MEAN					7.23	1998
HIGHEST DAILY MEAN	91	Jun 25	70	May 30	115	Jun 5 1997
LOWEST DAILY MEAN	e1.5	Mar 3	e1.5	Jan 23	e1.3	Mar 7 1997
ANNUAL SEVEN-DAY MINIMUM	1.6	Feb 28	e1.6	Jan 28	1.4	Mar 2 1997
INSTANTANEOUS PEAK FLOW			83	May 30	124	Jun 5 1997
INSTANTANEOUS PEAK STAGE			6.75	May 30	7.09	Jun 5 1997
ANNUAL RUNOFF (AC-FT)	8670		5840		7680	
10 PERCENT EXCEEDS	41		18		26	
50 PERCENT EXCEEDS	3.7		4.2		4.2	
90 PERCENT EXCEEDS	1.9		1.6		1.8	

e Estimated.

09046600 BLUE RIVER NEAR DILLON, CO

LOCATION.--Lat 39°34'00", long 106°02'56", in $SW^1/_4SE^1/_4$ sec.31, T.5 S., R.77 W., Summit County, Hydrologic Unit 14010002, on left bank 0.3 mi upstream from Dillon Reservoir, and 5.0 mi south of Dillon.

DRAINAGE AREA.--121 mi^2.

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WSP 2124: Drainage area. WDR CO-95-2: 1994.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,020 ft above sea level, from topographic map. Prior to Aug. 6, 1992, at site 1.4 mi upstream at different datum. Aug. 6, 1992 to Oct. 20, 1994, at site 200 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station by Boreas Pass ditch and Hoosier Pass tunnel (see elsewhere in this report). Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	39	e29	e23	e24	e28	e27	171	457	133	69	112
2	53	39	e29	e23	e24	e33	e26	168	444	129	68	106
3	53	39	e29	e24	e24	e37	e27	178	e429	133	67	97
4	53	38	e29	e24	e24	e37	e27	217	e398	136	67	88
5	52	37	e29	e24	e24	e37	e29	276	e368	134	67	81
6	52	36	e29	e24	e24	e37	32	285	e344	125	65	79
7	54	35	e29	e24	e24	e37	34	249	e327	120	62	78
8	58	35	e29	e24	e24	e35	35	286	e311	121	59	76
9	61	35	e29	e24	e24	e33	38	259	e295	132	57	75
10	60	34	e29	e24	e24	e29	42	233	279	133	55	71
11	58	34	e29	e24	e23	e28	44	260	262	125	55	65
12	55	33	e29	e24	e22	e27	44	261	245	121	56	61
13	53	33	e29	e24	e22	e27	46	224	234	112	57	57
14	51	32	e29	e24	e22	e27	49	205	221	108	57	55
15	49	32	e29	e24	e21	e27	51	198	208	106	56	53
16	48	31	e29	e24	e21	e27	49	203	199	112	57	51
17	46	31	e28	e24	e21	e27	49	231	189	129	59	48
18	43	31	e28	e24	e21	e27	52	212	178	157	65	47
19	44	31	e28	e24	e21	e27	54	199	179	139	72	47
20	46	29	e28	e24	e19	e27	51	195	209	115	69	47
21	46	30	e28	e24	e20	e27	52	182	181	103	65	49
22	48	30	e28	e24	e21	e27	54	192	161	99	65	56
23	48	e29	e28	e24	e22	e27	52	237	150	96	74	68
24	46	e29	e27	e24	e22	e27	50	326	142	90	72	65
25	43	e29	e26	e24	e23	e27	50	381	140	87	72	64
26	42	e29	e26	e24	e23	e27	53	374	143	86	75	63
27	40	e29	e24	e24	e23	e27	58	342	150	86	98	61
28	40	e29	e23	e24	e23	e28	72	332	148	83	104	57
29	40	e29	e22	e24	e23	e28	110	386	143	80	112	55
30	40	e29	e22	e24	---	e28	176	464	137	76	130	54
31	39	---	e23	e24	---	e27	---	468	---	73	122	---
TOTAL	1515	976	853	742	653	914	1533	8194	7271	3479	2228	1986
MEAN	48.9	32.5	27.5	23.9	22.5	29.5	51.1	264	242	112	71.9	66.2
MAX	61	39	29	24	24	37	176	468	457	157	130	112
MIN	39	29	22	23	19	27	26	168	137	73	55	47
AC-FT	3010	1940	1690	1470	1300	1810	3040	16250	14420	6900	4420	3940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	52.2	38.9	31.3	26.3	24.3	23.8	40.2	179	343	205	106	68.0
MAX	101	74.4	54.0	40.3	36.0	32.5	77.7	461	661	644	241	143
(WY)	1985	1985	1984	1984	1983	1983	1985	1996	1995	1995	1984	1983
MIN	30.6	23.8	21.7	17.0	17.2	17.0	23.0	65.1	72.0	73.7	55.1	40.5
(WY)	1978	1978	1978	1995	1992	1995	1964	1981	1963	1966	1977	1962

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1958 - 2000	
ANNUAL TOTAL	39081		30344			
ANNUAL MEAN	107		82.9		a108	
HIGHEST ANNUAL MEAN					168	1984
LOWEST ANNUAL MEAN					45.8	1963
HIGHEST DAILY MEAN	593	Jun 24	468	May 31	b1160	Jun 26 1983
LOWEST DAILY MEAN	e17	Mar 17	e19	Feb 20	c16	Feb 12 1993
ANNUAL SEVEN-DAY MINIMUM	e19	Mar 13	e21	Feb 15	16	Mar 3 1995
INSTANTANEOUS PEAK FLOW			485	May 31	1390	Jun 18 1995
INSTANTANEOUS PEAK STAGE			6.16	May 31	6.91	Jun 18 1995
ANNUAL RUNOFF (AC-FT)	77520		60190		a78250	
10 PERCENT EXCEEDS	371		208		247	
50 PERCENT EXCEEDS	42		48		45	
90 PERCENT EXCEEDS	26		24		23	

e Estimated.
a Adjusted for diversions to Hoosier Pass tunnel.
b Also occurred Jun 18, 1995.
c Also occurred Feb 13-14, 1993, Jan 9, and Mar 3-21, 1995.

09047500 SNAKE RIVER NEAR MONTEZUMA, CO

LOCATION.--Lat 39°36'20", long 105°56'33", in $NW^1/_4$ sec.19, T.5 S., R.76 W. (projected), Summit County, Hydrologic Unit 14010002, on right bank 200 ft downstream from North Fork and 4.5 mi northwest of Montezuma.

DRAINAGE AREA.--57.7 mi^2.

PERIOD OF RECORD.--July 1942 to September 1946, October 1951 to current year.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,320 ft above sea level, from topographic map. Prior to Oct. 14, 1943, nonrecording gage at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Small diversions upstream from station for irrigation and domestic use. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	28	e17	e14	e11	e11	e12	50	407	112	42	51
2	38	24	e17	e14	e11	e11	e12	67	371	110	41	46
3	37	23	e16	e14	e11	e11	e12	91	352	107	46	43
4	36	24	e16	e14	e11	e11	e12	114	339	101	47	41
5	36	26	e15	e14	e11	e11	e14	141	320	96	43	41
6	36	24	e15	e13	e11	e11	e14	166	307	93	40	43
7	42	24	e15	e13	e11	e11	e14	173	289	91	38	41
8	42	24	e15	e12	e11	e11	e15	153	276	93	37	41
9	42	23	e15	e12	e11	e11	e16	123	258	97	36	41
10	40	21	e15	e12	e11	e11	e17	139	238	92	35	38
11	38	22	e15	e12	e11	e11	e17	170	221	86	34	36
12	35	22	e15	e12	e11	e11	e17	148	213	86	34	34
13	34	19	e15	e12	e11	e11	e19	124	205	84	34	34
14	34	21	e15	e12	e11	e11	e21	112	185	84	33	33
15	33	20	e15	e12	e11	e11	e21	115	185	83	36	31
16	31	23	e15	e12	e11	e11	e21	143	175	89	36	29
17	34	26	e15	e12	e11	e11	e19	147	162	99	36	30
18	33	e24	e15	e12	e11	e12	e26	117	151	78	49	31
19	32	e23	e15	e12	e11	e12	e26	107	165	72	43	30
20	32	e22	e15	e12	e11	e12	e26	110	183	68	39	30
21	31	e21	e14	e12	e11	e12	e26	119	147	64	39	35
22	30	e19	e14	e12	e11	e12	e27	159	142	60	40	44
23	29	e18	e14	e12	e11	e12	e28	247	137	57	44	35
24	29	e17	e14	e12	e11	e12	e28	318	131	55	44	36
25	28	e17	e14	e12	e11	e12	e25	307	131	53	50	36
26	28	e19	e14	e12	e11	e12	e31	262	138	54	47	36
27	28	e19	e14	e12	e11	e12	e37	235	138	54	45	34
28	27	e18	e14	e11	e11	e12	e46	287	126	51	44	33
29	28	e17	e14	e11	e11	e12	54	393	120	47	66	33
30	26	e17	e14	e11	---	e12	53	443	116	45	55	33
31	29	---	e14	e11	---	e12	---	438	---	43	53	---
TOTAL	1037	645	460	380	319	355	706	5718	6328	2404	1306	1099
MEAN	33.5	21.5	14.8	12.3	11.0	11.5	23.5	184	211	77.5	42.1	36.6
MAX	42	28	17	14	11	12	54	443	407	112	66	51
MIN	26	17	14	11	11	11	12	50	116	43	33	29
AC-FT	2060	1280	912	754	633	704	1400	11340	12550	4770	2590	2180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	27.6	19.8	15.5	12.1	10.7	10.7	18.1	99.8	287	148	66.8	38.2
MAX	66.9	39.5	25.9	18.0	16.4	17.0	35.4	216	520	385	177	90.7
(WY)	1985	1985	1985	1985	1997	1997	1946	1958	1997	1995	1984	1984
MIN	16.1	11.8	9.90	7.03	7.00	7.40	8.34	28.7	101	50.9	24.4	18.0
(WY)	1945	1965	1978	1963	1946	1973	1973	1995	1966	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1943 - 2000	
ANNUAL TOTAL	28289.5		20757			
ANNUAL MEAN	77.5		56.7		62.9	
HIGHEST ANNUAL MEAN					95.8	1997
LOWEST ANNUAL MEAN					35.1	1954
HIGHEST DAILY MEAN	499	Jun 24	443	May 30	870	Jun 22 1995
LOWEST DAILY MEAN	e9.0	Feb 12	e11	Jan 28	5.0	Feb 26 1964
ANNUAL SEVEN-DAY MINIMUM	e9.1	Feb 12	e11	Jan 28	6.0	Jan 9 1963
INSTANTANEOUS PEAK FLOW			560	May 29	1250	Jun 10 1952
INSTANTANEOUS PEAK STAGE			3.00	May 29	a3.51	Jun 10 1952
ANNUAL RUNOFF (AC-FT)	56110		41170		45580	
10 PERCENT EXCEEDS	250		147		176	
50 PERCENT EXCEEDS	24		28		23	
90 PERCENT EXCEEDS	9.4		11		10	

e Estimated.
a Maximum gage height, 3.88 ft, Jun 6, 1972.

09047700 KEYSTONE GULCH NEAR DILLON, CO

LOCATION.--Lat 39°35'40", long 105°58'19", in NE$^1/_4$NE$^1/_4$ sec.26, T.5 S., R.77 W., Summit County, Hydrologic Unit 14010002, on right bank 0.7 mi upstream from mouth, and 4.7 mi southeast of Dillon.

DRAINAGE AREA.--9.10 mi^2.

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 9,350 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No known diversion upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	e4.9	e3.4	e2.8	e2.5	e2.5	e2.7	e14	35	7.3	3.8	3.7
2	3.9	e5.2	e3.4	e2.8	e2.5	e2.5	e2.7	e13	31	7.2	3.7	3.3
3	3.8	e5.2	e3.4	e2.8	e2.5	e2.5	e2.7	14	28	7.3	3.7	3.1
4	3.8	e5.2	e3.4	e2.8	e2.5	e2.5	e2.7	18	25	6.8	3.8	3.0
5	3.7	e5.2	e3.1	e2.8	e2.5	e2.5	e3.0	23	24	6.5	3.6	3.0
6	3.9	e5.2	e3.1	e2.8	e2.5	e2.5	e3.1	25	22	6.4	3.4	3.2
7	4.3	e5.2	e3.1	e2.8	e2.5	e2.5	e3.0	23	21	6.3	3.2	3.1
8	4.2	e5.2	e3.1	e2.8	e2.5	e2.5	e3.0	21	20	6.3	3.1	3.0
9	4.3	e5.0	e3.1	e2.8	e2.5	e2.5	e3.2	19	19	6.6	3.0	2.9
10	4.2	e5.0	e3.1	e2.8	e2.5	e2.5	e3.4	24	17	6.2	2.9	2.7
11	4.1	e5.0	e3.1	e2.8	e2.5	e2.5	e3.6	28	16	6.0	2.9	2.6
12	3.9	e4.8	e3.1	e2.8	e2.5	e2.5	e3.6	23	14	6.0	3.2	2.5
13	3.8	e4.8	e3.1	e2.8	e2.5	e2.5	e4.0	21	13	5.9	3.3	2.5
14	3.8	e4.8	e3.1	e2.8	e2.5	e2.5	e4.4	20	12	6.1	3.0	2.4
15	3.7	e4.8	e2.8	e2.8	e2.5	e2.5	e4.2	21	12	6.6	3.1	2.3
16	3.7	e4.8	e2.8	e2.8	e2.5	e2.5	e4.0	25	11	6.8	3.3	2.5
17	3.5	e4.5	e2.8	e2.8	e2.5	e2.5	e4.7	22	11	7.1	3.7	2.4
18	2.8	e4.3	e2.8	e2.8	e2.5	e2.6	e5.2	19	10	6.0	6.2	2.7
19	2.1	e4.0	e2.8	e2.8	e2.5	e2.7	e4.8	19	11	5.5	5.3	2.6
20	2.1	e3.8	e2.8	e2.8	e2.5	e2.7	e4.5	19	12	5.2	4.3	2.7
21	2.1	e3.7	e2.8	e2.8	e2.5	e2.7	e4.7	19	9.7	5.0	3.9	3.2
22	2.6	e3.5	e2.8	e2.8	e2.5	e2.7	e4.8	24	9.1	4.7	4.8	4.3
23	3.9	e3.4	e2.8	e2.8	e2.5	e2.7	e4.8	35	8.7	4.5	5.7	3.1
24	3.8	e3.4	e2.8	e2.8	e2.5	e2.7	e4.9	37	8.4	4.4	4.6	3.3
25	3.8	e3.4	e2.8	e2.8	e2.5	e2.7	e5.0	34	8.3	4.3	4.3	3.7
26	3.8	e3.4	e2.8	e2.8	e2.5	e2.7	e6.0	31	8.9	5.2	4.2	3.6
27	3.7	e3.4	e2.8	e2.8	e2.5	e2.7	e7.0	32	8.8	5.8	4.0	3.2
28	3.5	e3.4	e2.8	e2.6	e2.5	e2.7	e8.6	35	8.0	4.8	3.8	3.1
29	3.7	e3.4	e2.8	e2.6	e2.5	e2.7	e13	41	7.6	4.3	5.0	3.0
30	e3.8	e3.4	e2.8	e2.6	---	e2.7	e15	39	7.6	4.1	4.2	2.9
31	e4.5	---	e2.8	e2.6	---	e2.7	---	38	---	3.9	4.0	---
TOTAL	112.6	131.3	92.2	86.0	72.5	80.2	146.3	776	449.1	179.1	121.0	89.6
MEAN	3.63	4.38	2.97	2.77	2.50	2.59	4.88	25.0	15.0	5.78	3.90	2.99
MAX	4.5	5.2	3.4	2.8	2.5	2.7	15	41	35	7.3	6.2	4.3
MIN	2.1	3.4	2.8	2.6	2.5	2.5	2.7	13	7.6	3.9	2.9	2.3
AC-FT	223	260	183	171	144	159	290	1540	891	355	240	178

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3.38	3.01	2.56	2.23	2.08	2.10	3.13	12.9	24.8	10.3	5.34	3.79
MAX	6.12	4.38	3.68	2.89	2.90	3.00	6.19	40.8	58.8	31.2	15.5	7.97
(WY)	1985	2000	1966	1997	1997	1986	1986	1996	1995	1995	1984	1984
MIN	2.02	1.77	1.37	1.39	1.40	1.40	1.44	5.49	4.49	2.55	2.19	1.83
(WY)	1982	1964	1964	1964	1961	1973	1973	1981	1963	1963	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1958 - 2000	
ANNUAL TOTAL	2332.6		2335.9			
ANNUAL MEAN	6.39		6.38		6.31	
HIGHEST ANNUAL MEAN					13.1	1984
LOWEST ANNUAL MEAN					3.10	1963
HIGHEST DAILY MEAN	29	Jun 17	41	May 29	153	Jun 18 1995
LOWEST DAILY MEAN	e1.8	Apr 9	2.1	Oct 19	1.1	Feb 26 1964
ANNUAL SEVEN-DAY MINIMUM	e2.1	Apr 7	2.5	Sep 11	1.3	Nov 28 1963
INSTANTANEOUS PEAK FLOW			62	May 23	a311	Jun 17 1995
INSTANTANEOUS PEAK STAGE			2.77	May 23	3.47	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	4630		4630		4570	
10 PERCENT EXCEEDS	17		18		15	
50 PERCENT EXCEEDS	3.8		3.5		3.1	
90 PERCENT EXCEEDS	2.3		2.5		1.9	

e Estimated.
a From rating curve extended above 65 ft^3/s.

09050100 TENMILE CREEK BELOW NORTH TENMILE CREEK AT FRISCO, CO

LOCATION.--Lat 39°34'31", long 106°06'36", in SE $^1/_4$ NW $^1/_4$ sec.34, T.5 S., R.78 W., Summit County, Hydrologic Unit 14010002, on right bank 220 ft upstream from bridge on U.S. Highway 6, 160 ft downstream from North Tenmile Creek, and 0.6 mi west of Frisco.

DRAINAGE AREA.--93.3 mi^2.

PERIOD OF RECORD.--October 1957 to current year. Prior to October 1971, published as "below North Fork, at Frisco."

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,100 ft above sea level, from topographic map. Prior to Apr. 21, 1981 at site 720 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by a few small diversions upstream from station for irrigation and municipal use, and transbasin diversion from Robinson Reservoir, capacity, 2,520 acre-ft, in Eagle River basin. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	39	e26	e25	e25	e27	e26	e130	770	157	46	71
2	51	36	e26	e25	e25	e27	e26	e160	698	149	46	64
3	49	36	e26	e25	e25	e27	e26	e200	668	145	47	58
4	47	35	e26	e25	e25	e27	e26	282	626	137	50	54
5	45	34	e26	e25	e25	e27	e28	370	592	128	45	52
6	44	33	e26	e25	e25	e27	e31	415	564	122	43	55
7	54	33	e26	e25	e25	e27	e32	406	545	118	41	57
8	56	33	e26	e25	e25	e27	e32	359	509	123	39	54
9	56	32	e25	e25	e26	e27	e34	275	460	153	36	59
10	54	30	e25	e25	e27	e27	e36	329	409	152	34	51
11	51	30	e25	e25	e27	e27	e36	449	364	127	36	48
12	49	29	e25	e25	e27	e27	e34	395	338	121	41	46
13	47	29	e25	e25	e27	e27	e39	296	303	120	45	44
14	45	30	e25	e25	e27	e27	e45	277	277	116	41	42
15	44	28	e25	e25	e27	e27	e45	283	283	118	44	41
16	41	28	e25	e25	e27	e27	e39	357	271	143	52	39
17	43	28	e25	e25	e27	e27	e44	377	242	185	56	38
18	44	28	e25	e25	e27	e27	e54	288	229	152	61	38
19	42	e26	e25	e25	e27	e26	e54	259	263	126	61	38
20	41	e26	e25	e25	e27	e26	e50	260	308	111	54	38
21	41	e26	e25	e25	e27	e26	e50	274	244	100	52	46
22	40	e26	e25	e25	e27	e26	e50	362	224	91	54	73
23	40	e26	e25	e25	e27	e26	e50	566	209	83	62	56
24	39	e26	e25	e25	e27	e26	e50	697	198	77	63	54
25	38	e26	e25	e25	e27	e26	e50	683	193	73	71	51
26	36	e26	e25	e25	e27	e26	e58	544	201	67	68	52
27	38	e26	e25	e25	e27	e26	e72	473	211	62	66	48
28	37	e26	e25	e25	e27	e26	e110	572	187	56	60	47
29	40	e26	e25	e25	e27	e26	e130	819	174	53	95	47
30	37	e26	e25	e24	---	e26	e150	944	166	51	87	47
31	39	---	e25	e23	---	e26	---	863	---	49	78	---
TOTAL	1380	883	783	772	766	824	1507	12964	10726	3465	1674	1508
MEAN	44.5	29.4	25.3	24.9	26.4	26.6	50.2	418	358	112	54.0	50.3
MAX	56	39	26	25	27	27	150	944	770	185	95	73
MIN	36	26	25	23	25	26	26	130	166	49	34	38
AC-FT	2740	1750	1550	1530	1520	1630	2990	25710	21280	6870	3320	2990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	32.6	25.1	19.7	17.1	17.4	19.4	38.3	255	482	196	74.7	44.8
MAX	77.7	76.2	34.5	34.0	33.8	46.0	95.0	493	818	607	251	127
(WY)	1985	1985	1994	1994	1983	1983	1962	1996	1997	1995	1984	1984
MIN	13.0	9.83	11.7	11.0	9.55	9.20	13.7	96.5	156	44.9	25.3	21.8
(WY)	1978	1978	1978	1963	1978	1976	1973	1995	1963	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1958 - 2000	
ANNUAL TOTAL	42416		37252			
ANNUAL MEAN	116		102		102	
HIGHEST ANNUAL MEAN					183	1984
LOWEST ANNUAL MEAN					47.0	1977
HIGHEST DAILY MEAN	728	Jun 17	944	May 30	1480	Jun 17 1965
LOWEST DAILY MEAN	e17	Feb 12	e23	Jan 31	5.3	Oct 14 1994
ANNUAL SEVEN-DAY MINIMUM	e18	Feb 6	e25	Jan 25	7.9	Mar 8 1960
INSTANTANEOUS PEAK FLOW			1160	May 29	a1910	Jun 16 1965
INSTANTANEOUS PEAK STAGE			4.53	May 29	6.15	Jun 16 1965
ANNUAL RUNOFF (AC-FT)	84130		73890		73880	
10 PERCENT EXCEEDS	406		283		320	
50 PERCENT EXCEEDS	39		40		31	
90 PERCENT EXCEEDS	19		25		14	

e Estimated.
a From rating curve extended above 750 ft^3/s.

09050700 BLUE RIVER BELOW DILLON, CO

LOCATION.--Lat 39°37'32", long 106°03'57", in $SE^1/_4SE^1/_4$ sec.12, T.5 S., R.78 W., Summit County, Hydrologic Unit 14010002, on right bank 0.3 mi downstream from Dillon Dam, 0.1 mi upstream from Straight Creek, and 1.1 mi west of Dillon.

DRAINAGE AREA.--335 mi^2.

PERIOD OF RECORD.--January 1960 to current year. Statistical summary computed for 1963 to current year.

GAGE.--Water-stage recorder with satellite telemetry, and concrete control. Elevation of gage is 8,760 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since Sept. 3, 1963, by Dillon Reservoir, 0.3 mi upstream (station 09050600). Natural flow of stream affected by transmountain diversions, transbasin diversions, and diversions upstream from station for irrigation of about 400 acres of hay meadows. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	156	126	110	106	104	102	101	115	1400	287	113	75
2	153	110	110	104	104	103	101	92	1400	250	113	75
3	149	110	110	104	104	102	101	68	1340	226	113	75
4	146	110	110	104	104	103	101	106	1190	202	112	74
5	143	110	110	104	104	101	102	124	1060	183	110	75
6	162	110	110	105	104	101	101	121	945	162	109	75
7	208	110	109	104	104	101	101	122	897	139	107	73
8	305	110	107	104	104	100	101	124	879	127	107	71
9	357	110	106	104	104	101	101	121	816	123	107	75
10	359	110	108	106	104	101	101	119	750	122	107	75
11	358	110	107	105	104	101	101	117	668	121	107	75
12	369	110	107	106	104	101	101	113	581	123	107	75
13	366	110	107	101	104	101	105	113	503	110	107	75
14	359	110	107	103	104	99	110	113	434	69	107	73
15	359	110	107	104	103	101	110	112	384	57	93	74
16	359	110	107	104	104	101	110	112	343	58	81	74
17	359	110	107	104	104	102	110	113	308	89	82	74
18	359	110	107	104	104	104	101	113	318	118	82	72
19	359	110	107	104	104	103	110	113	388	145	82	72
20	358	109	107	104	102	102	111	113	522	174	83	72
21	359	110	107	104	102	103	111	113	557	193	82	72
22	359	110	107	103	104	102	112	113	501	206	78	72
23	359	110	107	104	104	103	112	113	448	213	74	72
24	359	110	107	104	104	102	111	113	398	214	73	72
25	359	110	107	104	104	102	112	152	339	211	75	72
26	359	110	106	104	104	102	113	272	309	193	74	73
27	357	108	107	104	103	102	115	437	335	176	76	72
28	359	108	107	104	102	102	114	564	359	151	75	71
29	368	110	103	104	103	102	113	865	364	134	75	71
30	276	110	107	104	---	101	113	1270	336	120	75	68
31	187	---	107	104	---	101	---	1370	---	113	75	---
TOTAL	9444	3311	3332	3227	3007	3152	3206	7626	19072	4809	2861	2194
MEAN	305	110	107	104	104	102	107	246	636	155	92.3	73.1
MAX	369	126	110	106	104	104	115	1370	1400	287	113	75
MIN	143	108	103	101	102	99	101	68	308	57	73	68
AC-FT	18730	6570	6610	6400	5960	6250	6360	15130	37830	9540	5670	4350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	122	101	86.3	76.9	79.6	84.5	128	320	737	445	255	161
MAX	305	268	193	158	155	269	742	1101	1813	1476	999	348
(WY)	2000	1985	1985	1966	1997	1996	1996	1984	1984	1984	1984	1983
MIN	.000	23.2	44.6	31.0	47.6	48.6	39.3	24.0	32.3	51.5	51.7	18.6
(WY)	1964	1964	1989	1984	1986	1986	1965	1965	1965	1981	1981	1963

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1963 - 2000	
ANNUAL TOTAL	111088		65241			
ANNUAL MEAN	304		178		217	
HIGHEST ANNUAL MEAN					538	1984
LOWEST ANNUAL MEAN					65.5	1981
HIGHEST DAILY MEAN	1810	Jun 24	1400	Jun 1	1940	May 24 1984
LOWEST DAILY MEAN	50	Mar 28	57	Jul 15	a.00	Sep 4 1963
ANNUAL SEVEN-DAY MINIMUM	52	Apr 22	71	Sep 24	.00	Sep 4 1963
INSTANTANEOUS PEAK FLOW			1500	May 31	2010	May 25 1984
INSTANTANEOUS PEAK STAGE			3.31	May 31	b3.88	May 25 1984
ANNUAL RUNOFF (AC-FT)	220300		129400		157000	
10 PERCENT EXCEEDS	914		359		484	
50 PERCENT EXCEEDS	110		107		104	
90 PERCENT EXCEEDS	69		75		51	

a Also occurred Sept 5 to Nov 19, 1963.
b Maximum gage height for period of record, 3.95 ft, Jun 22, 1983.

09051050 STRAIGHT CREEK BELOW LASKEY GULCH, NEAR DILLON, CO

LOCATION.--Lat 39°38'23", long 106°02'23", in SW$^{1}/_{4}$SW$^{1}/_{4}$ sec.5, T.5 S., R.77 W., Summit County, Hydrologic Unit 14010002, on right bank, 120 ft upstream from culverts on Deer Trail Drive, in the community of Dillon Valley, 0.9 mi north of Dillon, 1.1 mi downstream of Laskey Gulch, and 1.8 mi upstream from mouth.

DRAINAGE AREA.--18.3 mi^2.

PERIOD OF RECORD.--October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 9,070 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion upstream from station for municipal purposes downstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	7.0	e5.0	e5.0	e4.7	e4.7	3.7	11	114	21	10	10
2	7.3	6.4	e5.0	e5.0	e4.7	e4.7	3.8	15	108	20	9.7	8.6
3	7.2	e5.0	e5.0	e5.0	e4.7	e4.7	3.6	19	107	20	9.6	8.1
4	7.2	e5.0	e5.0	e5.0	e4.7	e4.7	4.2	24	104	e18	9.6	7.9
5	7.0	e5.0	e5.0	e5.0	e4.7	e4.7	4.5	27	97	e16	8.8	8.1
6	7.6	e5.0	e5.0	e5.0	e4.7	e4.7	4.5	29	84	e15	e7.9	9.0
7	10	e5.0	e5.0	e5.0	e4.7	e4.7	4.5	26	84	e15	e7.0	8.7
8	9.9	e5.0	e5.0	e5.0	e4.7	e4.5	5.6	24	78	e16	e6.5	8.9
9	9.4	e5.0	e5.0	e5.0	e4.7	e4.4	6.4	20	74	e15	6.0	8.5
10	8.6	e5.0	e5.0	e5.0	e4.7	e4.0	6.1	24	64	e15	6.0	7.7
11	8.3	e5.0	e5.0	e5.0	e4.7	e3.9	5.4	28	57	e14	6.1	7.4
12	7.7	e5.0	e5.0	e5.0	e4.7	e3.9	6.7	24	52	e14	6.2	7.0
13	7.4	e5.0	e5.0	e5.0	e4.7	e3.9	7.7	23	47	e14	6.1	6.9
14	7.2	e5.0	e5.0	e5.0	e4.7	e3.9	7.4	20	44	e15	6.3	6.7
15	7.2	e5.0	e5.0	e5.0	e4.7	e3.8	6.8	21	42	e16	7.5	6.7
16	6.2	e5.0	e5.0	e5.0	e4.7	e3.7	6.3	24	38	e18	7.8	6.3
17	6.5	e5.0	e5.0	e5.0	e4.7	e3.5	8.0	23	35	e19	8.3	5.4
18	8.0	e5.0	e5.0	e5.0	e4.7	e3.4	8.3	20	33	e15	10	4.8
19	8.0	e5.0	e5.0	e5.0	e4.7	e3.4	7.2	19	37	e15	8.9	4.3
20	8.2	e5.0	e5.0	e5.0	e4.7	e3.4	7.4	19	40	e14	8.3	4.0
21	7.8	e5.0	e5.0	e5.0	e4.7	e3.4	7.6	19	31	e13	8.2	5.7
22	7.2	e5.0	e5.0	e5.0	e4.7	e3.4	6.9	24	28	e12	8.0	7.7
23	7.2	e5.0	e5.0	e5.0	e4.7	e3.4	7.4	44	26	e11	7.4	5.3
24	7.1	e5.0	e5.0	e5.0	e4.7	e3.4	7.0	63	25	e11	14	5.7
25	6.9	e5.0	e5.0	e5.0	e4.7	e3.4	7.6	69	26	e12	13	5.8
26	6.7	e5.0	e5.0	e5.0	e4.7	e3.4	9.3	58	30	e12	9.3	5.5
27	6.8	e5.0	e5.0	e5.0	e4.7	e3.4	12	50	28	10	8.8	5.2
28	6.6	e5.0	e5.0	e4.9	e4.7	e3.4	13	69	24	10	8.9	5.1
29	6.4	e5.0	e5.0	e4.8	e4.7	e3.4	13	100	23	11	14	4.9
30	6.9	e5.0	e5.0	e4.7	---	3.7	12	118	22	11	9.5	4.7
31	7.9	---	e5.0	e4.7	---	e3.5	---	122	---	10	9.9	---
TOTAL	234.1	153.4	155.0	154.1	136.3	120.4	213.9	1176	1602	448	267.6	200.6
MEAN	7.55	5.11	5.00	4.97	4.70	3.88	7.13	37.9	53.4	14.5	8.63	6.69
MAX	10	7.0	5.0	5.0	4.7	4.7	13	122	114	21	14	10
MIN	6.2	5.0	5.0	4.7	4.7	3.4	3.6	11	22	10	6.0	4.0
AC-FT	464	304	307	306	270	239	424	2330	3180	889	531	398

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	7.47	5.92	4.69	4.03	3.91	4.08	6.28	26.6	67.2	31.8	13.0	8.32
MAX	12.2	8.77	6.99	5.54	6.40	7.32	9.99	63.1	119	89.0	23.6	13.3
(WY)	1996	1996	1996	1996	1996	1996	1989	1996	1996	1995	1995	1995
MIN	4.08	3.86	3.71	2.43	2.39	3.14	3.55	9.45	36.2	11.7	8.63	4.31
(WY)	1990	1990	1995	1992	1992	1992	1995	1995	1987	1994	2000	1989

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1987 - 2000	
ANNUAL TOTAL	5692.8		4861.4			
ANNUAL MEAN	15.6		13.3		15.3	
HIGHEST ANNUAL MEAN					25.5	1996
LOWEST ANNUAL MEAN					10.9	1987
HIGHEST DAILY MEAN	110	Jun 23	122	May 31	226	Jun 17 1995
LOWEST DAILY MEAN	e3.3	Feb 12	e3.4	Mar 18	1.8	Jan 31 1992
ANNUAL SEVEN-DAY MINIMUM	e3.4	Feb 12	e3.4	Mar 18	1.9	Jan 26 1992
INSTANTANEOUS PEAK FLOW			177	May 30	a416	Jun 17 1995
INSTANTANEOUS PEAK STAGE			5.27	May 30	5.78	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	11290		9640		11070	
10 PERCENT EXCEEDS	42		26		40	
50 PERCENT EXCEEDS	6.0		6.4		6.6	
90 PERCENT EXCEEDS	3.4		4.7		3.5	

e Estimated.
a From rating curve extended above 150 ft^3/s.

09057500 BLUE RIVER BELOW GREEN MOUNTAIN RESERVOIR, CO

LOCATION.--Lat 39°52'49", long 106°20'00", in $SW^1/_4NE^1/_4$ sec.15, T.2 S., R.80 W., Summit County, Hydrologic Unit 14010002, on left bank 0.3 mi upstream from Elliott Creek, 0.3 mi downstream from Green Mountain Dam, and 13 mi southeast of Kremmling.

DRAINAGE AREA.--599 mi^2, includes 15.3 mi^2 of Elliott Creek above diversion for Elliott Creek feeder canal.

PERIOD OF RECORD.--October 1937 to current year. Prior to October 1943, published as Blue River below Green Mountain Reservoir, near Kremmling. Statistical summary computed for 1943 to current year. Water-quality data available, January 1986 to September 1987. Daily specific conductance and water temperature record available, October 1986 to September 1987 and October 1995 to September 1999.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,682.66 ft above sea level, (levels by U.S. Bureau of Reclamation). Prior to Oct. 1, 1951, water-stage recorder at site 3.7 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Green Mountain Reservoir since November 1942 (station 09057000). Diversions for irrigation of about 5,000 acres upstream from station. Transmountain diversions upstream from station (see elsewhere in this report). Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	569	758	284	e280	277	302	286	213	106	679	577	501
2	568	697	281	e280	276	299	286	213	103	679	609	630
3	567	599	280	e280	276	295	312	209	103	717	671	722
4	246	501	278	e280	275	295	381	211	102	681	663	719
5	224	345	278	284	275	295	370	212	96	590	655	690
6	410	277	279	282	275	294	367	213	110	538	674	639
7	665	278	278	283	275	292	336	214	109	497	693	e634
8	662	280	276	283	275	290	292	215	102	474	696	630
9	660	281	281	283	276	293	291	217	102	475	770	631
10	660	280	e280	286	276	292	240	217	100	443	863	627
11	658	280	e280	283	276	291	203	218	102	355	916	626
12	658	279	e280	281	276	291	207	218	101	398	907	641
13	660	280	e281	281	276	290	215	219	142	380	912	684
14	693	281	e279	280	279	288	217	218	314	380	888	726
15	721	281	e280	280	282	287	209	216	478	380	826	813
16	771	284	e280	279	276	287	211	215	595	382	878	901
17	772	283	e278	279	283	286	215	209	765	352	870	e897
18	766	284	e279	279	287	285	216	204	766	334	832	e914
19	764	281	e278	279	287	283	216	204	726	333	798	e921
20	768	282	e280	279	286	282	216	213	1290	332	648	e904
21	757	282	e281	279	285	279	215	217	1080	334	629	864
22	758	282	e281	279	289	279	215	217	1010	380	638	760
23	755	283	e280	278	295	278	216	218	1020	416	640	625
24	756	283	e280	278	294	276	218	174	884	417	619	625
25	754	283	e280	277	292	276	217	102	851	453	645	526
26	758	283	e280	276	291	276	211	102	857	479	640	397
27	757	282	e280	277	295	274	207	103	975	478	636	413
28	773	282	e280	276	293	283	210	103	961	475	679	e386
29	773	283	e280	276	292	286	209	104	809	496	756	e388
30	764	286	e280	276	---	286	210	105	713	587	634	e389
31	762	---	e280	277	---	286	---	107	---	582	492	---
TOTAL	20829	9940	8672	8670	8190	8896	7414	5820	15472	14496	22354	19823
MEAN	672	331	280	280	282	287	247	188	516	468	721	661
MAX	773	758	284	286	295	302	381	219	1290	717	916	921
MIN	224	277	276	276	275	274	203	102	96	332	492	386
AC-FT	41310	19720	17200	17200	16240	17650	14710	11540	30690	28750	44340	39320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	383	296	315	309	296	319	394	528	752	806	626	501
MAX	1258	800	580	566	559	864	1286	1557	2134	2536	1547	846
(WY)	1963	1963	1947	1948	1962	1962	1996	1952	1984	1984	1984	1990
MIN	144	82.5	.72	.46	.19	.61	47.2	55.7	54.4	131	270	192
(WY)	1950	1943	1943	1943	1943	1943	1943	1969	1981	1981	1964	1946

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1943 - 2000	
ANNUAL TOTAL	171045		150576			
ANNUAL MEAN	469		411			
HIGHEST ANNUAL MEAN					946	1984
LOWEST ANNUAL MEAN					200	1964
HIGHEST DAILY MEAN	1740	Jul 3	1290	Jun 20	4010	Jul 12 1995
LOWEST DAILY MEAN	97	Mar 17	96	Jun 5	a,b.00	Dec 6 1942
ANNUAL SEVEN-DAY MINIMUM	98	Mar 14	103	Jun 4	.00	Jan 5 1943
INSTANTANEOUS PEAK FLOW			1420	Jun 21	4040	Jul 12 1995
INSTANTANEOUS PEAK STAGE			7.10	Jun 21	10.85	Jul 12 1995
ANNUAL RUNOFF (AC-FT)	339300		298700			
10 PERCENT EXCEEDS	880		764		854	
50 PERCENT EXCEEDS	281		286		371	
90 PERCENT EXCEEDS	100		213		126	

e Estimated.
a No flow at times in 1943.
b Minimum daily discharge (prior to Green Mountain Reservoir), 80 ft^3/s, Feb 18-24, 1938, Feb 18-19, 1940.

09058000 COLORADO RIVER NEAR KREMMLING, CO

LOCATION.--Lat 40°02'12", long 106°26'22", in $NE^1/_4SW^1/_4$ sec.23, T.1 N., R.81 W., Grand County, Hydrologic Unit 14010001, on right bank at upstream end of Gore Canyon, 3.0 mi southwest of Kremmling and 3.8 mi downstream from Blue River.

DRAINAGE AREA.--2,382 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1904 to September 1918 (published as Grand River near Kremmling), October 1961 to September 1970, October 1971 to current year. Statistical summary computed for 1962 to current year.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,320 ft above sea level, from topographic map. See WSP 1313 for history of changes prior to Oct. 1, 1961.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, diversions for irrigation of about 40,000 acres upstream from station, and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1410	1280	577	e575	e550	600	670	1230	2990	1410	1140	1090
2	1350	1150	572	e570	e550	617	655	1310	3040	1310	1250	1130
3	1340	1010	572	e570	e540	607	655	1430	2790	1390	1380	1320
4	1200	885	550	e560	e540	606	725	1590	2050	1370	1370	1340
5	1030	804	539	e570	540	620	743	1760	1790	1220	1360	1330
6	1220	656	535	e550	549	627	859	1950	1780	1080	1360	1200
7	1480	663	527	e540	547	624	925	2100	1630	1030	1360	1140
8	1460	660	539	e560	538	622	860	2190	1470	1020	1340	1060
9	1460	668	529	573	536	620	869	2180	1390	1060	1340	1020
10	1450	668	552	558	543	616	918	1970	1270	1060	1330	1010
11	1440	650	553	558	565	613	783	1910	1220	1000	1340	1010
12	1290	672	559	557	595	622	801	2140	1210	967	1330	1020
13	1190	652	542	558	591	611	787	2160	1140	904	1350	1020
14	1250	662	e540	560	589	614	807	2000	1450	890	1320	1050
15	1280	665	e546	560	615	631	827	1860	1570	877	1270	1070
16	1330	655	555	561	602	613	796	1380	1560	888	1290	1200
17	1340	633	561	566	613	603	758	1160	1710	942	1360	1210
18	1320	667	598	573	608	605	775	1190	1620	931	1350	1230
19	1320	642	634	602	597	601	796	1170	1660	839	1360	1240
20	1350	604	656	590	593	610	768	1020	2260	799	1250	1240
21	1320	600	596	580	601	597	736	1010	2560	808	1200	1230
22	1310	633	557	565	607	610	760	1020	2000	843	1090	1300
23	1310	578	572	556	605	622	835	1080	2040	979	1090	1120
24	1310	541	572	556	597	631	927	1340	1780	1010	1050	1120
25	1310	526	e560	552	595	647	947	1720	1710	1020	1070	1080
26	1380	584	e540	563	593	665	914	1980	1710	1110	1190	785
27	1390	593	e540	565	596	681	1040	2250	1750	1070	1250	755
28	1330	592	e560	e540	595	712	1060	2210	1880	1060	1240	748
29	1350	585	e570	e540	597	718	1160	2110	1710	1040	1350	757
30	1430	573	e575	e540	---	715	1180	2210	1550	1120	1340	752
31	1380	---	e570	e540	---	704	---	2540	---	1130	1100	---
TOTAL	41330	20751	17448	17408	16787	19584	25336	53170	54290	32177	39420	32577
MEAN	1333	692	563	562	579	632	845	1715	1810	1038	1272	1086
MAX	1480	1280	656	602	615	718	1180	2540	3040	1410	1380	1340
MIN	1030	526	527	540	536	597	655	1010	1140	799	1050	748
AC-FT	81980	41160	34610	34530	33300	38840	50250	105500	107700	63820	78190	64620

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	759	651	582	561	553	656	1033	1916	2211	1591	1096	872
MAX	1413	1030	1067	1000	1025	1394	3297	6200	7160	5840	2321	1366
(WY)	1963	1985	1985	1985	1962	1962	1962	1984	1984	1983	1984	1984
MIN	547	352	277	278	294	331	536	477	379	539	630	733
(WY)	1989	1978	1964	1964	1964	1977	1964	1977	1966	1963	1963	1969

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1962 - 2000	
ANNUAL TOTAL	397802		370278			
ANNUAL MEAN	1090		1012		1042	
HIGHEST ANNUAL MEAN					2378	1984
LOWEST ANNUAL MEAN					568	1964
HIGHEST DAILY MEAN	3950	Jun 5	3040	Jun 2	a12700	May 26 1984
LOWEST DAILY MEAN	391	Mar 9	526	Nov 25	b250	Dec 13 1963
ANNUAL SEVEN-DAY MINIMUM	405	Mar 6	539	Dec 4	264	Dec 20 1963
INSTANTANEOUS PEAK FLOW			3110	Jun 1	c13600	May 26 1984
INSTANTANEOUS PEAK STAGE			9.41	Jun 1	16.60	May 26 1984
ANNUAL RUNOFF (AC-FT)	789000		734400		755000	
10 PERCENT EXCEEDS	2250		1640		1910	
50 PERCENT EXCEEDS	668		909		769	
90 PERCENT EXCEEDS	507		557		430	

e Estimated.
a Maximum daily discharge for period of record, 20000 ft^3/s, Jun 7, 1912.
b Minimum discharge observed for period of record, 166 ft^3/s, Dec 19, 1907.
c Maximum discharge observed for period of record, 21500 ft^3/s, Jun 7, 1912, gage height, 21.8 ft, datum then in use, from rating curve extended above 14000 ft^3/s.

09058000 COLORADO RIVER NEAR KREMMLING, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1989 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT 14...	0920	1250	233	8.4	8.5	8.7	K3	19	96	28.9	5.62	7.2
NOV 09...	1200	617	222	8.3	6.0	9.4	<1	K1	90	27.9	4.90	7.8
APR 12...	0945	818	215	8.2	6.0	9.0	14	<1	83	25.0	5.01	9.3
MAY 10...	1015	1990	235	8.2	8.8	8.4	24	K14	77	22.0	5.38	8.5
JUN 07...	1050	1650	201	8.0	12.6	7.1	--	25	82	23.9	5.34	8.6
AUG 23...	1000	1120	212	8.3	14.5	7.4	K8	25	94	28.5	5.41	7.6

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT 14...	.3	1.6	63	48.0	3.5	.3	6.4	148	140	.20	500	<.010
NOV 09...	.4	1.7	67	40.1	3.0	.4	8.5	145	135	.20	242	<.010
APR 12...	.4	2.3	73	30.6	3.7	.2	9.6	143	130	.19	316	<.010
MAY 10...	.4	1.5	59	35.1	2.5	.2	10.9	133	122	.18	715	<.010
JUN 07...	.4	1.4	69	27.8	1.7	.2	11.5	130	122	.18	579	<.010
AUG 23...	.3	1.6	66	35.0	3.3	.3	6.8	135	129	.18	410	.001

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
OCT 14...	.073	<.020	.14	<.050	<.050	<.010	38	<2	<8.0	<14.0	<13
NOV 09...	.054	<.020	.11	<.050	<.050	<.010	35	<2	<8.0	<14.0	E6
APR 12...	.068	<.020	.41	.054	<.050	.015	30	<2	--	<14.0	<13
MAY 10...	.054	<.020	.36	.075	.014	<.010	28	<2	--	<14.0	<13
JUN 07...	<.050	<.020	.31	.048	.017	.011	31	<2	--	<14.0	<13
AUG 23...	.060	.003	.22	.028	.007	.002	38	<2	<.1	<.8	<1

09058000 COLORADO RIVER NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
OCT											
14...	<10	10	<100	7.9	11	E21	<40	<7	170	<10	<20
NOV											
09...	<10	30	<100	8.9	49	E33	<40	<7	176	<10	<20
APR											
12...	<10	110	<100	7.7	31	<34	<40	<7	167	<10	E13
MAY											
10...	<10	50	<100	6.2	18	<34	<40	<7	167	<10	<20
JUN											
07...	<10	60	<100	4.7	42	<34	<40	<7	165	<10	<20
AUG											
23...	<1	20	<1	6.1	15	20	1	<1	161	<1	1

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)
SEP									
07...	1055	1160	188	12.0					

09058500 PINEY RIVER BELOW PINEY LAKE NEAR MINTURN, CO

LOCATION.--Lat 39°42'29", long 106°25'34", Eagle County, Hydrologic Unit 14010001, on left bank 1.4 mi upstream from Dickson Creek, 2.0 mi downstream from Piney Lake, and 8.5 mi north of Minturn.

DRAINAGE AREA.--13.0 mi^2.

PERIOD OF RECORD.--October 1947 to September 1954, October 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 9,145.25 ft above sea level, levels by U.S. Bureau of Reclamation. Prior to October 1963, water-stage recorder at site 15 ft upstream at present datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversions upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	e3.3	e2.4	e2.1	e2.3	e2.2	e2.7	51	e190	51	6.5	12
2	6.0	e3.2	e2.4	e2.2	e2.5	e2.2	e2.8	66	186	47	6.1	9.5
3	5.7	e3.2	e2.2	e2.1	e2.4	e2.3	e3.1	94	179	44	6.3	7.3
4	5.4	e3.1	e2.0	e2.0	e2.5	e2.4	e3.5	133	182	41	6.0	6.4
5	5.3	e3.0	e1.9	e1.9	e2.5	e2.5	e4.0	168	176	37	6.0	5.9
6	5.1	e3.0	e2.0	e1.8	e2.5	e2.5	e5.0	187	160	34	5.9	5.8
7	5.9	e3.0	e2.1	e2.0	e2.4	e2.5	e5.4	154	180	32	5.5	6.2
8	7.1	e3.0	e2.0	e2.1	e2.3	e2.5	e6.0	121	183	29	5.2	6.7
9	7.9	e3.0	e2.0	e2.3	e2.4	e2.5	e7.2	78	168	35	4.9	10
10	7.4	e2.9	e2.0	e2.2	e2.4	e2.3	e9.0	79	142	32	4.4	8.6
11	6.5	e2.8	e2.1	e2.3	e2.5	e2.3	e8.8	126	114	27	4.3	7.0
12	5.9	e2.8	e2.0	e2.3	e2.4	e2.5	e10	98	108	24	4.2	6.3
13	5.5	e2.8	e2.0	e2.2	e2.4	e2.3	e13	63	99	21	4.3	5.8
14	5.3	e2.8	e2.0	e2.1	e2.4	e2.3	e16	49	70	20	4.3	5.3
15	4.9	e2.7	e1.9	e2.3	e2.4	e2.3	e14	48	92	19	4.8	5.2
16	4.6	e2.7	e1.9	e2.4	e2.4	e2.3	e12	62	100	19	4.9	4.8
17	3.8	e2.7	e2.0	e2.3	e2.4	e2.3	e14	83	81	28	5.0	4.6
18	3.6	e2.9	e2.0	e2.2	e2.3	e2.2	e16	57	69	32	8.7	4.3
19	4.0	e2.8	e2.1	e2.4	e2.2	e2.2	e17	48	86	21	10	4.1
20	4.0	e2.8	e2.0	e2.3	e2.0	e2.2	19	53	125	17	8.5	4.0
21	3.9	e2.8	e2.0	e2.2	e2.1	e2.2	23	53	84	15	7.6	4.5
22	3.7	e2.8	e2.1	e2.1	e2.2	e2.1	22	74	75	13	6.7	11
23	3.7	e2.8	e2.1	e2.1	e2.2	e2.2	23	155	71	11	6.0	14
24	3.4	e2.5	e2.1	e2.1	e2.2	e2.3	19	228	60	11	5.5	12
25	3.3	e2.5	e2.0	e2.2	e2.0	e2.4	16	218	66	10	5.7	11
26	3.2	e2.6	e2.1	e2.4	e1.9	e2.5	19	158	70	9.5	6.0	13
27	3.0	e2.7	e2.1	e2.3	e2.2	e2.7	33	124	96	8.5	6.2	11
28	2.9	e2.6	e2.1	e2.1	e2.2	e3.0	48	127	61	8.0	5.9	9.9
29	3.3	e2.5	e2.0	e2.3	e2.2	e3.1	52	e200	57	7.4	7.4	8.5
30	e3.0	e2.5	e1.9	e2.1	---	e3.0	50	e250	55	6.8	8.6	9.6
31	e3.1	---	e2.0	e2.2	---	e2.8	---	e210	---	6.7	16	---
TOTAL	146.9	84.8	63.5	67.6	66.8	75.1	493.5	3615	3385	716.9	197.4	234.3
MEAN	4.74	2.83	2.05	2.18	2.30	2.42	16.5	117	113	23.1	6.37	7.81
MAX	7.9	3.3	2.4	2.4	2.5	3.1	52	250	190	51	16	14
MIN	2.9	2.5	1.9	1.8	1.9	2.1	2.7	48	55	6.7	4.2	4.0
AC-FT	291	168	126	134	132	149	979	7170	6710	1420	392	465

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6.30	4.05	2.82	2.25	2.04	2.59	11.2	66.7	125	57.7	14.9	7.34
MAX	15.1	8.82	6.41	4.00	4.01	5.52	23.0	117	202	146	45.3	14.8
(WY)	1985	1985	1999	1952	1996	1995	1952	2000	1952	1995	1984	1984
MIN	1.71	1.23	1.04	.79	.83	.84	2.12	26.6	52.1	8.70	3.69	2.16
(WY)	1980	1980	1980	1975	1975	1975	1973	1968	1954	1977	1954	1974

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1948 - 2000	
ANNUAL TOTAL	8441.0		9146.8			
ANNUAL MEAN	23.1		25.0		25.3	
HIGHEST ANNUAL MEAN					41.2	1984
LOWEST ANNUAL MEAN					12.9	1977
HIGHEST DAILY MEAN	171	Jun 26	e250	May 30	362	Jun 9 1985
LOWEST DAILY MEAN	e1.9	Dec 5	e1.8	Jan 6	.40	Oct 6 1975
ANNUAL SEVEN-DAY MINIMUM	2.0	Dec 12	2.0	Dec 12	.62	Mar 28 1975
INSTANTANEOUS PEAK FLOW			a285	May 25	560	Jun 8 1985
INSTANTANEOUS PEAK STAGE			a4.47	May 25	b5.12	Jun 8 1985
ANNUAL RUNOFF (AC-FT)	16740		18140		18340	
10 PERCENT EXCEEDS	82		83		86	
50 PERCENT EXCEEDS	6.5		4.7		4.9	
90 PERCENT EXCEEDS	2.6		2.1		1.6	

e Estimated.
a Maximum recorded, may have been higher during period of no gage-height record, May 29 to Jun 1.
b Maximum gage height for period of record, 6.44 ft, Apr 13, 1977.

09058610 DICKSON CREEK NEAR VAIL, CO

LOCATION.--Lat 39°42'14", long 106°27'25", Eagle County, Hydrologic Unit 14010001, on right bank 0.6 mi upstream from Freemam Creek, 1.0 mi upstream from mouth, and 6 mi northwest of Vail.

DRAINAGE AREA.--3.41 mi^2.

PERIOD OF RECORD.--October 1971 to current year. Prior to October 1972, published as "near Minturn."

GAGE.--Water-stage recorder. Elevation of gage is 9,245 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion by Willy N. ditch 75 ft upstream for irrigation of hay meadows downstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.2	e1.0	e.90	e1.0	e.90	e.90	6.8	16	3.5	1.9	1.5
2	1.3	1.2	e1.1	e1.0	e1.0	e.80	e.90	9.0	14	3.4	1.9	1.3
3	1.3	1.2	e1.1	e.90	e1.1	e.90	e.90	11	13	3.3	2.1	1.3
4	1.3	1.2	e.90	e.90	e1.1	e.90	e.90	13	12	3.2	2.0	1.2
5	1.3	1.2	e.80	e.90	e1.0	e.90	e1.0	15	12	3.2	1.8	1.2
6	1.4	1.2	e.90	e.70	e1.0	e.90	e1.2	15	11	3.0	2.3	2.4
7	1.5	1.2	e.90	e.90	e1.0	e.90	e1.2	14	9.8	3.1	1.5	1.1
8	1.3	1.2	e.80	e1.0	e1.0	e1.0	e1.2	14	9.2	3.2	1.6	1.5
9	1.2	e1.2	e.80	e1.0	e1.0	e.90	e1.3	11	9.0	3.7	1.6	1.7
10	1.3	e1.1	e.80	e1.0	e1.1	e.90	e1.5	12	8.2	3.4	1.7	1.3
11	1.2	e1.1	e.90	e1.0	e1.0	e.90	e1.5	15	7.5	2.6	1.8	1.2
12	1.2	e1.1	e.90	e1.0	e1.0	e.90	e1.5	13	6.9	2.6	1.8	1.2
13	1.2	e1.1	e.90	e.90	e1.0	e.90	e1.6	11	6.6	2.7	1.6	1.2
14	1.2	e1.0	e.80	e1.0	e1.0	e.80	e1.8	9.9	6.2	2.6	1.6	1.1
15	1.2	e1.0	e.80	e1.1	e1.0	e.90	e2.0	9.8	5.8	2.5	1.6	1.1
16	1.2	e1.0	e1.0	e1.1	e1.0	e.90	e1.9	11	5.5	4.0	1.5	3.0
17	1.2	e1.1	e1.0	e1.1	e1.0	e.80	e1.7	12	5.4	2.4	1.4	.81
18	1.3	e1.1	e.90	e1.2	e1.0	e.80	e1.9	11	5.1	2.5	1.7	1.0
19	1.2	e1.0	e1.0	e1.2	e.90	e.80	e1.8	10	6.3	2.3	1.9	1.1
20	1.2	e1.0	e1.0	e1.1	e.90	e.90	1.8	10	6.5	2.3	1.5	1.3
21	1.2	e1.1	e1.0	e1.1	e1.0	e.90	2.3	10	4.8	2.3	1.4	2.3
22	1.2	e1.1	e.90	e1.1	e1.0	e.90	2.6	11	4.5	2.9	1.3	3.2
23	1.2	e1.0	e1.0	e1.0	e.90	e.90	2.2	14	4.3	3.0	1.3	2.3
24	1.1	e.80	e.90	e1.0	e.90	e.90	1.9	18	4.2	1.7	1.2	1.8
25	1.1	e1.0	e.90	e1.1	e.90	e.90	1.8	19	4.2	2.0	1.3	1.7
26	1.2	e1.1	e1.0	e1.1	e.80	e.90	2.6	20	4.9	2.2	3.1	1.7
27	1.2	e1.1	e1.0	e1.1	e.90	e.90	4.1	19	4.8	2.2	2.4	1.7
28	1.2	e1.0	e.90	e1.0	e.90	e1.0	5.4	17	4.0	2.0	1.1	2.6
29	1.3	e1.1	e1.0	e.90	e.90	e1.1	6.1	18	3.9	2.0	1.4	1.3
30	1.7	e1.1	e.90	e.80	---	e1.0	6.2	19	3.7	1.9	1.4	1.2
31	1.3	---	e.90	e.90	---	e.90	---	18	---	1.9	1.4	---
TOTAL	39.0	32.80	28.70	31.00	28.30	27.90	63.70	416.5	219.3	83.6	52.1	47.31
MEAN	1.26	1.09	.93	1.00	.98	.90	2.12	13.4	7.31	2.70	1.68	1.58
MAX	1.7	1.2	1.1	1.2	1.1	1.1	6.2	20	16	4.0	3.1	3.2
MIN	1.1	.80	.80	.70	.80	.80	.90	6.8	3.7	1.7	1.1	.81
AC-FT	77	65	57	61	56	55	126	826	435	166	103	94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1.20	.99	.81	.73	.69	.77	1.52	7.74	10.8	3.47	1.70	1.40
MAX	2.22	1.96	1.60	1.65	1.45	1.23	6.10	20.1	29.1	12.0	3.83	2.81
(WY)	1996	1996	1996	1996	1996	1985	1979	1996	1997	1995	1995	1995
MIN	.007	.002	.000	.000	.000	.000	.000	1.22	.91	.73	.17	.042
(WY)	1984	1984	1984	1984	1984	1984	1984	1977	1977	1977	1982	1972

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1972 - 2000	
ANNUAL TOTAL	1056.86		1070.21			
ANNUAL MEAN	2.90		2.92		2.66	
HIGHEST ANNUAL MEAN					5.73	1997
LOWEST ANNUAL MEAN					.58	1977
HIGHEST DAILY MEAN	16	May 25	20	May 26	48	Jun 2 1997
LOWEST DAILY MEAN	e.80	Nov 24	e.70	Jan 6	a.00	Aug 12 1972
ANNUAL SEVEN-DAY MINIMUM	.84	Dec 4	.84	Dec 4	.00	Sep 12 1972
INSTANTANEOUS PEAK FLOW			24	May 26	52	Jun 1 1997
INSTANTANEOUS PEAK STAGE			3.04	May 26	b3.29	Jun 1 1997
ANNUAL RUNOFF (AC-FT)	2100		2120		1930	
10 PERCENT EXCEEDS	7.5		9.4		6.5	
50 PERCENT EXCEEDS	1.3		1.2		1.2	
90 PERCENT EXCEEDS	.90		.90		.50	

e Estimated.
a No flow at times some years.
b Maximum gage height, 4.89 ft, May 9, 1984, backwater from ice.

09058700 FREEMAN CREEK NEAR MINTURN, CO

LOCATION.--Lat 39°41'54", long 106°26'42", Eagle County, Hydrologic Unit 14010001, on right bank 0.8 mi upstream from mouth and 7.5 mi north of Minturn.

DRAINAGE AREA.--2.94 mi^2.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 9,335 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No regulation or diversion upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.31	e.20	e.16	e.16	e.18	e.16	e.17	4.0	e10	.74	.34	.39
2	.31	e.20	e.17	e.16	e.17	e.15	e.16	5.6	e7.4	.75	.36	.35
3	.31	e.20	e.17	e.15	e.18	e.16	e.17	7.9	e6.4	.73	.39	.33
4	.30	e.19	e.15	e.12	e.17	e.16	e.18	9.5	e6.0	.62	.47	.34
5	.30	e.18	e.14	e.11	e.17	e.16	e.20	11	e6.0	.60	.43	.33
6	.33	e.18	e.15	e.10	e.17	e.15	e.28	12	e5.2	.57	.40	.37
7	.40	e.18	e.16	e.11	e.16	e.15	e.33	11	e4.4	.58	.39	.43
8	.40	e.18	e.15	e.13	e.16	e.16	e.33	9.3	e3.6	.57	.38	.47
9	.34	e.16	e.13	e.17	e.17	e.15	e.36	7.8	e3.5	.81	.35	.53
10	.31	e.16	e.13	e.17	e.18	e.14	e.46	11	e2.7	.61	.36	.36
11	.29	e.17	e.12	e.16	e.17	e.15	e.54	13	e2.4	.54	.39	.35
12	.28	e.17	e.15	e.15	e.17	e.16	e.52	9.0	e2.0	.55	.39	.34
13	.27	e.17	e.14	e.13	e.17	e.15	e.58	7.6	1.8	.53	.37	.33
14	.26	e.16	e.12	e.15	e.17	e.14	e.66	7.3	1.7	.50	.37	.33
15	.25	e.16	e.11	e.17	e.16	e.15	e.76	7.7	1.5	.48	.37	.33
16	.24	e.16	e.15	e.18	e.16	e.15	e.70	9.2	1.4	.55	.38	.28
17	.24	e.16	e.18	e.19	e.17	e.14	e.64	8.0	1.3	.56	.41	.30
18	.24	e.17	e.15	e.20	e.17	e.14	e.80	6.9	1.2	.57	.52	.33
19	.24	e.16	e.16	e.18	e.14	e.13	.89	7.3	2.5	.49	.52	.33
20	.23	e.15	e.17	e.18	e.15	e.14	.92	7.2	2.8	.49	.44	.33
21	.23	e.18	e.15	e.18	e.16	e.14	1.0	6.9	1.3	.48	.39	.56
22	.22	e.18	e.16	e.18	e.16	e.13	1.0	7.7	1.1	.45	.39	.69
23	.22	e.16	e.16	e.17	e.15	e.13	1.0	9.3	.98	.40	.38	.47
24	.22	e.13	e.16	e.18	e.16	e.13	1.0	11	.93	.42	.35	.48
25	.22	e.12	e.16	e.19	e.15	e.14	1.0	12	.96	.42	.37	.47
26	.20	e.15	e.17	e.20	e.13	e.14	1.0	e16	1.8	.38	.36	.48
27	.20	e.18	e.16	e.19	e.15	e.15	1.2	e14	1.7	.41	.38	.40
28	.20	e.17	e.15	e.16	e.16	e.17	2.6	e12	1.1	.40	.37	.39
29	.21	e.17	e.16	e.14	e.16	e.19	3.1	e14	.87	.39	.47	.41
30	.22	e.16	e.16	e.15	---	e.19	3.6	e13	.81	.39	.43	.41
31	.21	---	e.15	e.16	---	e.18	---	e11	---	.37	.42	---
TOTAL	8.20	5.06	4.70	4.97	4.72	4.68	26.15	299.2	85.35	16.35	12.34	11.91
MEAN	.26	.17	.15	.16	.16	.15	.87	9.65	2.85	.53	.40	.40
MAX	.40	.20	.18	.20	.18	.19	3.6	16	10	.81	.52	.69
MIN	.20	.12	.11	.10	.13	.13	.16	4.0	.81	.37	.34	.28
AC-FT	16	10	9.3	9.9	9.4	9.3	52	593	169	32	24	24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.27	.18	.12	.099	.092	.13	.63	6.87	6.59	.97	.35	.27
MAX	.78	.45	.26	.24	.21	.29	1.73	18.0	23.2	3.50	1.25	.70
(WY)	1985	1985	1983	1983	1983	1986	1971	1984	1983	1995	1983	1984
MIN	.083	.030	.000	.000	.000	.000	.000	1.26	.30	.15	.065	.079
(WY)	1993	1965	1965	1965	1965	1991	1991	1977	1977	1977	1981	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1965 - 2000	
ANNUAL TOTAL	413.14		483.63			
ANNUAL MEAN	1.13		1.32		1.39	
HIGHEST ANNUAL MEAN					3.54	1984
LOWEST ANNUAL MEAN					.31	1977
HIGHEST DAILY MEAN	e16	May 25	e16	May 26	63	May 25 1984
LOWEST DAILY MEAN	e.10	Jan 1	e.10	Jan 6	a.00	Nov 10 1964
ANNUAL SEVEN-DAY MINIMUM	.11	Jan 1	.13	Jan 2	.00	Nov 10 1964
INSTANTANEOUS PEAK FLOW			b19	May 10	82	May 25 1984
INSTANTANEOUS PEAK STAGE			b2.24	May 10	c2.21	May 25 1984
ANNUAL RUNOFF (AC-FT)	819		959		1000	
10 PERCENT EXCEEDS	2.9		4.6		3.4	
50 PERCENT EXCEEDS	.24		.31		.20	
90 PERCENT EXCEEDS	.12		.15		.05	

e Estimated.
a No flow some days some years.
b Maximum recorded, may have been higher during period of no gage-height record, May 26 to Jun 12.
c Maximum gage height, 3.51 ft, May 18, 1973, backwater from ice.

09058800 EAST MEADOW CREEK NEAR MINTURN, CO

LOCATION (REVISED).--Lat 39°43'54", long 106°25'34", in T.4 S., R.81 W., Eagle County, Hydrologic Unit 14010001, on left bank 1.4 mi upstream from mouth, and 10 mi north of Minturn.

DRAINAGE AREA.--3.61 mi^2.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 9,455 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No regulation or diversion upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	e.81	e.54	e.42	e.45	e.45	e.50	5.7	40	5.5	1.3	1.2
2	1.0	e.78	e.54	e.42	e.41	e.45	e.50	8.1	39	5.2	1.3	1.2
3	.99	e.81	e.54	e.42	e.45	e.45	e.50	e13	36	4.7	1.3	1.0
4	1.1	e.85	e.50	e.42	e.48	e.45	e.58	e18	34	4.4	1.3	1.0
5	1.1	e.81	e.46	e.42	e.48	e.45	e.66	e22	31	4.1	1.4	1.1
6	1.1	e.81	e.50	e.35	e.48	e.45	e.74	e29	29	3.8	1.4	1.0
7	1.7	e.76	e.54	e.42	e.45	e.45	e.70	e31	28	3.7	1.3	1.0
8	1.9	e.74	e.54	e.42	e.45	e.45	e.70	e27	26	3.9	1.2	1.2
9	1.6	e.80	e.46	e.42	e.45	e.45	e.78	e20	24	4.7	1.2	1.3
10	1.3	e.72	e.54	e.42	e.45	e.45	e.86	e17	22	3.9	1.2	1.0
11	1.2	e.74	e.54	e.42	e.48	e.45	e.86	e22	20	3.4	1.2	1.0
12	1.0	e.70	e.49	e.42	e.45	e.42	e.86	e21	17	3.0	1.1	.99
13	1.0	e.67	e.46	e.41	e.45	e.45	e.96	e18	15	2.9	1.1	.96
14	1.0	e.70	e.46	e.41	e.45	e.45	e1.1	e17	13	2.9	1.1	.92
15	.93	e.70	e.50	e.41	e.45	e.45	e1.2	e17	12	2.8	1.2	.90
16	e.90	e.62	e.50	e.41	e.45	e.45	e1.1	e19	11	2.8	1.1	.88
17	e.88	e.62	e.50	e.41	e.45	e.45	e1.0	e20	10	2.9	1.3	.85
18	e.92	e.66	e.50	e.41	e.45	e.45	e1.1	e19	9.6	2.6	1.9	.91
19	e.84	e.55	e.50	e.45	e.42	e.45	e1.0	e18	12	2.3	1.9	.90
20	e.84	e.62	e.50	e.41	e.39	e.45	e1.0	e17	13	2.1	1.5	.87
21	e.84	e.62	e.46	e.41	e.44	e.45	e1.1	e18	9.5	2.0	1.4	1.3
22	e.84	e.62	e.46	e.41	e.44	e.45	e1.5	e21	8.3	1.8	1.3	2.3
23	e.80	e.62	e.46	e.41	e.44	e.45	e1.9	e28	7.4	1.7	1.2	1.4
24	e.76	e.50	e.45	e.41	e.44	e.48	e1.5	e32	7.2	1.7	1.1	1.3
25	e.74	e.55	e.45	e.41	e.42	e.48	e1.3	e39	7.3	1.7	1.2	1.5
26	e.74	e.62	e.45	e.45	e.40	e.48	2.2	e50	10	1.7	1.6	1.5
27	e.74	e.58	e.42	e.41	e.44	e.48	3.7	e45	9.9	1.7	1.5	1.3
28	e.74	e.54	e.42	e.41	e.45	e.50	5.3	e40	7.2	1.6	1.3	1.1
29	e.88	e.54	e.42	e.41	e.45	e.54	5.7	e43	6.1	1.5	1.6	1.1
30	e.86	e.54	e.42	e.41	---	e.50	5.9	e43	5.4	1.4	1.7	1.1
31	e.86	---	e.45	e.45	---	e.50	---	e42	---	1.4	1.4	---
TOTAL	31.20	20.20	14.97	12.88	12.91	14.28	46.80	779.8	519.9	89.8	41.6	34.08
MEAN	1.01	.67	.48	.42	.45	.46	1.56	25.2	17.3	2.90	1.34	1.14
MAX	1.9	.85	.54	.45	.48	.54	5.9	50	40	5.5	1.9	2.3
MIN	.74	.50	.42	.35	.39	.42	.50	5.7	5.4	1.4	1.1	.85
AC-FT	62	40	30	26	26	28	93	1550	1030	178	83	68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1.31	.97	.79	.69	.67	.75	1.58	11.5	23.0	8.32	2.24	1.39
MAX	2.78	2.00	1.50	1.20	1.30	1.43	3.75	26.3	45.7	28.8	5.85	3.09
(WY)	1966	1966	1966	1999	1999	1999	1987	1986	1983	1983	1965	1984
MIN	.73	.55	.44	.35	.40	.40	.66	2.97	7.55	1.28	.68	.75
(WY)	1978	1979	1979	1979	1965	1965	1975	1975	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1965 - 2000	
ANNUAL TOTAL	1635.96		1618.42			
ANNUAL MEAN	4.48		4.42		4.44	
HIGHEST ANNUAL MEAN					8.05	1983
LOWEST ANNUAL MEAN					1.83	1977
HIGHEST DAILY MEAN	32	Jun 16	e50	May 26	81	Jun 20 1983
LOWEST DAILY MEAN	e.42	Dec 27	e.35	Jan 6	.32	Jan 7 1979
ANNUAL SEVEN-DAY MINIMUM	.43	Dec 24	.41	Jan 1	.33	Jan 6 1979
INSTANTANEOUS PEAK FLOW			a54	Jun 1	107	Jun 17 1995
INSTANTANEOUS PEAK STAGE			a1.54	Jun 1	b1.86	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	3240		3210		3210	
10 PERCENT EXCEEDS	20		17		15	
50 PERCENT EXCEEDS	1.3		.90		1.1	
90 PERCENT EXCEEDS	.55		.42		.58	

e Estimated.
a Maximum recorded, may have been higher during period of no gage-height record, May 3-31.
b Maximum gage height, 2.22 ft, May 12, 1970, backwater from ice.

09059500 PINEY RIVER NEAR STATE BRIDGE, CO

LOCATION.--Lat 39°48'00", long 106°35'00", in SW$^1/_4$NE$^1/_4$ sec.16, T.3 S., R.82 W., Eagle County, Hydrologic Unit 14010001, on left bank at old bridge crossing, 1.2 mi downstream from Rock Creek, and 6.0 mi southeast of State Bridge.

DRAINAGE AREA.--86.2 mi^2.

PERIOD OF RECORD.--May 1944 to current year. Water-quality data available, October 1993 to September 1996.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 7,272.35 ft above sea level. Prior to July 29, 1944, nonrecording gage, and July 29, 1944 to Oct. 24, 1947, water-stage recorder, at datum 2.38 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 400 acres of hay meadows upstream and downstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	18	e19	e17	e18	e16	e19	161	529	117	19	24
2	19	18	e19	e17	e19	e16	e17	203	441	114	19	20
3	18	23	e19	e16	e19	e17	e16	259	388	102	19	17
4	17	22	e17	e15	e19	e17	e17	307	361	87	20	15
5	17	19	e15	e14	e19	e17	e19	370	330	78	19	14
6	18	19	e16	e13	e19	e17	e22	411	296	77	19	16
7	23	21	e17	e14	e18	e17	e24	387	300	68	18	17
8	26	22	e15	e15	e18	e17	e22	393	300	69	16	18
9	24	e19	e15	e18	e18	e17	e32	274	297	78	15	22
10	23	e19	e14	e17	e19	e17	e31	288	261	69	15	19
11	21	19	e15	e17	e19	e17	e50	417	220	58	15	16
12	20	22	e16	e16	e18	e16	62	356	203	52	14	15
13	19	23	e16	e15	e18	e16	76	230	202	51	14	14
14	19	25	e16	e15	e18	e16	89	191	163	44	14	13
15	19	24	e14	e18	e17	e16	91	183	176	42	15	12
16	18	21	e15	e19	e17	e16	70	211	194	44	16	12
17	20	e18	e18	e19	e17	e16	73	250	169	49	16	12
18	27	e19	e16	e21	e17	e16	93	185	144	62	20	12
19	20	e19	e17	e21	e16	e16	81	156	166	46	26	12
20	21	e19	e17	e20	e16	e16	69	168	220	39	22	11
21	19	e19	e17	e20	e17	e16	80	176	164	35	20	15
22	18	e19	e16	e19	e17	e16	87	208	149	32	19	30
23	18	e18	e17	e19	e17	e16	84	356	136	30	18	27
24	18	e16	e17	e19	e17	e16	77	635	117	28	16	26
25	16	e15	e17	e19	e16	e17	66	618	133	27	16	23
26	16	e19	e18	e20	e15	e19	83	535	146	26	19	25
27	15	e20	e17	e19	e15	e21	125	548	184	26	20	22
28	16	e19	e17	e18	e16	e22	170	367	138	25	18	20
29	17	e19	e17	e16	e16	e23	177	561	126	22	20	20
30	16	e18	e17	e16	---	e22	168	687	120	21	23	19
31	21	---	e17	e17	---	e20	---	601	---	20	26	---
TOTAL	599	591	513	539	505	537	2090	10692	6773	1638	566	538
MEAN	19.3	19.7	16.5	17.4	17.4	17.3	69.7	345	226	52.8	18.3	17.9
MAX	27	25	19	21	19	23	177	687	529	117	26	30
MIN	15	15	14	13	15	16	16	156	117	20	14	11
AC-FT	1190	1170	1020	1070	1000	1070	4150	21210	13430	3250	1120	1070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	20.0	17.9	15.1	13.5	13.2	15.7	54.1	263	345	112	32.1	18.2
MAX	62.9	34.1	24.6	20.0	24.5	35.3	167	495	656	379	94.9	46.1
(WY)	1962	1985	1985	1966	1986	1986	1962	1958	1957	1983	1983	1984
MIN	6.72	8.68	7.19	7.44	7.86	9.18	16.8	99.0	74.1	14.8	6.22	4.00
(WY)	1978	1980	1980	1980	1980	1980	1961	1977	1954	1977	1954	1944

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1944 - 2000	
ANNUAL TOTAL	27429		25581			
ANNUAL MEAN	75.1		69.9		76.7	
HIGHEST ANNUAL MEAN					127	1984
LOWEST ANNUAL MEAN					27.2	1977
HIGHEST DAILY MEAN	532	May 25	687	May 30	e1300	May 25 1984
LOWEST DAILY MEAN	e12	Jan 29	11	Sep 20	1.9	Sep 1 1954
ANNUAL SEVEN-DAY MINIMUM	14	Jan 10	12	Sep 14	2.3	Sep 17 1954
INSTANTANEOUS PEAK FLOW			881	May 30	e,a,b,1300	May 25 1984
INSTANTANEOUS PEAK STAGE			5.21	May 30		
ANNUAL RUNOFF (AC-FT)	54410		50740		55590	
10 PERCENT EXCEEDS	271		203		257	
50 PERCENT EXCEEDS	23		19		20	
90 PERCENT EXCEEDS	15		15		11	

e Estimated.
a Maximum daily discharge for period of record.
b Maximum discharge and stage, (recorded), 1220 ft^3/s, Jun 27, 1983, gage height 5.82 ft, from peak stage indicator, but may have been higher May 25, 1984.

392511106164000 EAST FORK EAGLE RIVER NEAR RED CLIFF, CO.

WATER-QUALITY RECORDS

LOCATION.--Lat 39°25'11", long 106°16'40", in SE$^1/_4$SE$^1/_4$ sec. 24, T 7 S. R. 80 W., Eagle County, Hydrologic Unit 14010003, at Resolution Road No. 702, 0.25 mi east of East Fork Eagle ford on East Fork Eagle Road, 1.0 mi west of Camp Hale Campground, and 10.2 mi south-southeast of Red Cliff.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 1996 to current year.

REMARKS.--No water-quality data at this site before November 1996.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV											
30...	0920	5.3	248	8.0	.1	10.5	K1	K1	120	28.8	11.8
JAN											
26...	1345	6.6	241	8.2	.1	10.1	<1	<1	--	--	--
MAR											
14...	1345	.98	199	8.3	1.3	--	<1	<1	100	24.3	10.0
MAY											
23...	1615	77	108	8.0	7.7	8.5	K2	K2	55	12.6	5.75
JUN											
14...	0815	15	156	8.1	5.2	9.3	K1	K1	74	17.2	7.51
AUG											
17...	1050	1.8	175	8.1	9.1	8.2	K9	K8	88	20.7	8.67

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
NOV											
30...	1.4	.1	1.2	82	--	--	42.6	.3	.4	.3	139
JAN											
26...	--	--	--	--	--	--	--	--	--	--	--
MAR											
14...	1.7	.1	.9	90	--	--	16.2	E.2	.2	5.6	114
MAY											
23...	.8	.0	.8	52	--	--	6.1	.3	.1	4.0	62
JUN											
14...	1.1	.1	.9	67	--	--	10.9	.3	.2	4.7	83
AUG											
17...	1.4	.1	.9	--	88	107	6.3	E.2	.2	5.3	96

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
NOV											
30...	.19	1.99	<.001	.031	<.002	E.10	<.10	E.005	<.006	<.001	--
JAN											
26...	--	--	<.001	.022	<.002	E.10	E.10	.009	<.006	<.001	--
MAR											
14...	.15	.30	<.001	.081	<.002	.10	<.10	<.008	<.006	.001	--
MAY											
23...	.08	12.9	<.001	<.005	.004	.36	.17	.054	E.005	<.001	--
JUN											
14...	.11	3.42	.001	.036	<.002	.11	E.10	<.008	<.006	<.001	--
AUG											
17...	.13	.46	.001	.025	.013	E.10	E.10	<.008	<.006	<.001	1.8

392511106164000 EAST FORK EAGLE RIVER NEAR RED CLIFF, CO.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
NOV							
30...	<.1	--	<1	210	--	<1	33
MAR							
14...	<.1	--	<1	230	--	<1	25
MAY							
23...	<.1	--	<1	1240	--	<1	65
AUG							
17...	<.1	<.8	<1	390	<10	<1	38

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
NOV						
30...	26	<.2	--	<2.4	<.2	<20
MAR						
14...	23	<.2	--	<2.4	<.2	<20
MAY						
23...	10	<.2	--	<2.4	<.2	E13
AUG						
17...	<2	<.2	<1	<.7	<.2	<20

09063000 EAGLE RIVER AT RED CLIFF, CO

LOCATION.--Lat 39°30'30", long 106°21'58", in $NW^1/_4SW^1/_4$ sec.20, T.6 S., R.80 W., Eagle County, Hydrologic Unit 14010003, on left bank at Red Cliff, and 0.3 mi upstream from Turkey Creek.

DRAINAGE AREA.--70.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1910 to September 1925, May 1944 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 2124: Drainage area. WRD Colo. 1972: 1971.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,653.80 ft above sea level, (levels by U.S. Bureau of Reclamation). Jan. 8, 1911 to Sept. 30, 1925, nonrecording gage at bridge 0.2 mi downstream at different datum. May 24, 1944 to Oct. 12, 1952, water-stage recorder at site 200 ft upstream at datum 1.46 ft lower. Prior to May 6, 1982, at site 250 ft downstream at datum 5.00 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station by Columbine, Ewing, and Wurtz ditches. Transbasin diversion upstream from station from Robinson Reservoir (capacity, 2,520 acre-ft) to Tenmile Creek for mining development. Small diversions for irrigation of 400 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	15	e14	e13	e15	e13	e14	86	254	43	18	19
2	14	14	e15	e14	e15	e13	e14	99	235	41	17	18
3	14	14	e15	e13	e15	e13	e13	122	218	39	16	17
4	14	14	e14	e12	e15	e14	e14	147	206	38	18	16
5	13	14	e11	e11	e15	e14	e18	180	192	36	18	14
6	13	14	e12	e9.0	e15	e14	e19	199	179	34	18	16
7	15	14	e13	e9.4	e14	e14	e19	201	166	33	17	16
8	18	14	e11	e12	e14	e14	e22	200	155	34	17	16
9	17	14	e11	e14	e14	e14	e25	175	145	42	16	17
10	16	14	e12	e14	e14	e14	e25	174	130	39	16	16
11	15	13	e11	e13	e15	e13	e24	210	118	34	16	14
12	14	14	e13	e13	e14	e13	e27	206	108	32	17	14
13	14	14	e12	e12	e14	e13	e30	176	103	33	20	13
14	14	14	e13	e11	e14	e13	e32	161	94	31	17	13
15	14	13	e10	e14	e14	e13	e28	155	86	31	16	13
16	13	13	e13	e15	e13	e13	e27	165	81	39	19	13
17	13	13	e15	e15	e13	e13	e31	182	75	41	21	13
18	13	14	e13	e16	e13	e13	e34	167	71	36	21	12
19	13	e12	e13	e17	e13	e12	e31	155	80	30	20	12
20	13	e12	e13	e16	e12	e13	e31	150	97	27	18	13
21	14	e14	e14	e15	e13	e13	38	147	72	26	18	14
22	14	e15	e13	e15	e13	e12	40	163	65	25	20	25
23	14	e14	e13	e15	e13	e12	39	212	61	22	19	18
24	14	e12	e13	e14	e13	e13	35	265	59	22	20	17
25	13	e11	e13	e15	e13	e13	33	281	57	22	20	16
26	13	e15	e14	e16	e11	e13	39	257	57	22	19	15
27	14	e15	e14	e15	e12	e14	55	241	59	21	19	15
28	13	e15	e13	e14	e13	e14	79	244	52	21	18	14
29	15	e15	e13	e13	e13	e15	94	287	48	20	20	14
30	14	e15	e13	e12	---	e15	92	295	46	20	21	14
31	15	---	e13	e12	---	e15	---	280	---	19	21	---
TOTAL	437	414	400	419.4	395	415	1022	5982	3369	953	571	457
MEAN	14.1	13.8	12.9	13.5	13.6	13.4	34.1	193	112	30.7	18.4	15.2
MAX	18	15	15	17	15	15	94	295	254	43	21	25
MIN	13	11	10	9.0	11	12	13	86	46	19	16	12
AC-FT	867	821	793	832	783	823	2030	11870	6680	1890	1130	906

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	16.2	13.5	11.2	10.4	10.3	11.8	32.4	157	198	56.6	25.8	18.3
MAX	31.8	25.2	18.8	16.3	19.7	25.6	81.3	387	422	161	54.5	39.0
(WY)	1962	1985	1985	1918	1916	1916	1916	1911	1912	1995	1945	1921
MIN	10.4	8.47	7.06	5.07	4.74	5.68	9.48	36.5	38.4	18.8	10.7	8.89
(WY)	1989	1965	1989	1989	1989	1981	1975	1981	1954	1981	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1911 - 2000	
ANNUAL TOTAL	17124.8		14834.4			
ANNUAL MEAN	46.9		40.5		46.9	
HIGHEST ANNUAL MEAN					90.2	1912
LOWEST ANNUAL MEAN					16.5	1981
HIGHEST DAILY MEAN	301	Jun 4	295	May 30	900	Jun 5 1912
LOWEST DAILY MEAN	e7.8	Feb 12	e9.0	Jan 6	a1.0	Oct 15 1917
ANNUAL SEVEN-DAY MINIMUM	8.1	Feb 8	11	Jan 2	3.8	Jan 31 1989
INSTANTANEOUS PEAK FLOW			355	May 29	b1010	Jun 5 1912
INSTANTANEOUS PEAK STAGE			4.78	May 29	c4.00	Jun 5 1912
ANNUAL RUNOFF (AC-FT)	33970		29420		33950	
10 PERCENT EXCEEDS	157		146		130	
50 PERCENT EXCEEDS	15		15		16	
90 PERCENT EXCEEDS	8.8		13		9.0	

e Estimated.
a Also occurred Oct 16, 1917.
b Maximum discharge observed, site and datum then in use, from rating curve extended above 500 ft^3/s.
c Maximum gage height recorded, 6.43 ft, May 24, 1984.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1996 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV											
30...	1235	24	232	8.3	.9	9.7	K1	K1	120	28.0	11.8
JAN											
26...	1000	12	220	8.1	.5	11.0	K1	K2	120	27.6	12.1
MAR											
14...	0930	15	224	8.4	.0	--	<1	<1	120	26.6	12.1
MAY											
23...	1315	184	133	8.3	11.2	8.2	K2	<1	67	15.3	7.09
JUN											
14...	1045	93	173	8.3	6.9	9.1	K1	<1	83	18.8	8.75
AUG											
17...	1250	21	205	8.3	13.2	7.8	16	K12	100	23.6	10.7

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
NOV											
30...	2.3	.1	1.0	90	109	--	14.8	1.3	.2	6.5	119
JAN											
26...	2.5	.1	.9	97	117	--	15.6	1.7	.2	7.2	125
MAR											
14...	2.9	.1	1.0	113	127	5	9.9	1.5	.1	7.3	129
MAY											
23...	1.4	.1	.7	64	77	--	6.0	1.1	<.1	5.6	75
JUN											
14...	1.5	.1	.8	79	95	--	7.0	.8	<.1	5.9	90
AUG											
17...	2.4	.1	1.0	97	117	--	7.6	1.2	.1	7.5	112

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
NOV											
30...	.16	7.58	<.001	.023	<.002	<.10	<.10	.008	<.006	<.001	--
JAN											
26...	.17	4.03	<.001	.032	<.002	<.10	E.10	E.004	<.006	<.001	--
MAR											
14...	.18	5.11	<.001	.031	<.002	E.10	E.10	<.008	<.006	.001	1.2
MAY											
23...	.10	37.2	<.001	<.005	.002	.33	.12	.011	E.003	<.001	3.9
JUN											
14...	.12	22.7	<.001	.014	.003	E.10	E.10	E.006	<.006	<.001	2.3
AUG											
17...	.15	6.47	.001	.011	.004	.11	.11	.008	<.006	.001	1.8

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)
NOV							
30...	<.1	--	<1	190	--	<1	11
MAR							
14...	<.1	--	<1	90	--	<1	E3
MAY							
23...	<.1	--	E1	220	--	<1	14
AUG							
17...	<.1	<.8	<1	240	220	<1	13

09063000 EAGLE RIVER AT RED CLIFF, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
NOV 30...	3	<.2	--	<2.4	<.2	<20
MAR 14...	2	<.2	--	<2.4	--	<20
MAY 23...	4	<.2	--	<2.4	<.2	<20
AUG 17...	E3	<.2	<1	<.7	<.2	<20

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT 13...	1205	13	228	6.4
NOV 08...	1545	14	236	4.1
MAR 01...	1105	13	--	.2
APR 20...	1100	30	204	3.7
MAY 18...	1345	161	92	5.7
JUL 19...	1750	28	217	16.1

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV 30...	1235	24	4	.29
MAR 14...	0930	15	1	.03
MAY 23...	1315	184	7	3.3
JUN 14...	1045	93	4	.93
AUG 17...	1250	21	2	.10

09063200 WEARYMAN CREEK NEAR RED CLIFF, CO

LOCATION.--Lat 39°31'20", long 106°19'23", in SE$^1/_4$SW$^1/_4$ sec.15, T.6 S., R.80 W., Eagle County, Hydrologic Unit 14010003, on right bank 0.15 mi upstream from mouth, 2.25 mi east of Red Cliff.

DRAINAGE AREA.--9.53 mi^2.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 9,280 ft above sea level, from topographic map. Prior to Aug. 7, 1992, at site 0.25 mi upstream, at different datum.

REMARKS.--Records good except for the period May 28 to June 3 and estimated daily discharges, which are poor. No regulation or diversion upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	2.5	e1.9	e1.8	e2.1	e1.4	e1.9	8.1	58	14	5.5	3.7
2	4.0	e2.5	e2.0	e1.8	e2.0	e1.5	e1.9	9.0	61	14	5.3	3.5
3	3.9	e2.5	e1.8	e1.7	e2.1	e1.5	e2.0	11	56	14	5.2	3.3
4	3.8	e2.6	e1.6	e1.6	e2.1	e1.6	e2.1	14	58	13	5.2	3.2
5	3.7	e2.5	e1.7	e1.4	e2.0	e1.7	e2.5	16	57	12	5.2	3.1
6	3.8	e2.4	e1.7	e1.3	e2.0	e1.6	e2.7	17	52	12	5.1	3.5
7	4.2	e2.4	e1.7	e1.7	e1.9	e1.7	e2.6	17	50	11	4.9	3.4
8	4.0	e2.5	e1.6	e1.8	e1.9	e1.7	e2.6	16	50	11	4.8	3.3
9	3.9	e2.4	e1.5	e1.8	e1.9	e1.8	e3.0	15	47	11	4.4	3.2
10	3.8	e2.2	e1.6	e1.9	e2.0	e1.8	e3.3	15	44	10	4.5	2.9
11	3.7	e2.2	e1.7	e1.8	e1.9	e1.9	e3.4	17	42	9.3	4.7	2.9
12	3.6	e2.3	e1.6	e1.7	e1.9	e1.8	e3.4	17	40	9.2	4.6	2.8
13	3.4	e2.2	e1.5	e1.7	e1.9	e1.8	e3.7	16	38	8.9	4.8	2.8
14	3.3	e2.1	e1.5	e1.8	e1.8	e1.9	e4.0	15	35	8.7	4.4	2.7
15	3.2	e2.1	e1.4	e1.8	e1.8	e1.9	e4.1	15	31	9.1	4.2	2.6
16	3.0	e2.1	e1.8	e1.8	e1.8	e1.9	e3.9	15	29	9.7	4.3	2.7
17	3.8	e2.1	e1.7	e1.8	e1.8	e1.9	e3.7	16	27	9.9	4.9	2.8
18	2.9	e2.1	e1.7	e1.9	e1.8	e1.8	e4.1	15	25	9.0	4.7	2.8
19	2.9	e2.0	e1.8	e1.9	e1.5	e1.8	e3.9	15	26	8.2	4.7	2.8
20	2.9	e1.9	e1.7	e1.8	e1.6	e1.9	e3.7	15	25	7.6	4.1	2.8
21	2.9	e2.0	e1.7	e1.9	e1.6	e1.8	e4.0	15	22	7.3	4.2	3.3
22	2.8	e1.9	e1.8	e1.8	e1.6	e1.8	e4.7	16	21	7.0	4.1	4.0
23	2.8	e1.7	e1.6	e1.8	e1.5	e1.8	e5.4	24	20	7.0	3.9	3.4
24	2.8	e1.6	e1.7	e1.9	e1.4	e2.0	e5.8	32	19	6.8	3.9	3.3
25	2.7	e2.0	e1.8	e2.0	e1.4	e2.0	e4.8	35	18	6.6	4.0	3.1
26	2.7	e2.1	e1.8	e1.9	e1.5	e2.0	4.6	33	18	6.2	3.8	2.9
27	2.6	e2.0	e1.7	e1.8	e1.4	e2.0	5.7	31	17	6.1	3.7	2.9
28	2.6	e2.0	e1.7	e1.8	e1.4	e2.1	6.8	28	16	6.0	3.8	2.9
29	2.7	e2.0	e1.6	e1.8	e1.4	e2.3	7.9	30	15	5.9	4.0	2.9
30	2.5	e1.9	e1.6	e1.9	---	e2.1	8.1	34	14	5.8	3.9	2.9
31	2.6	---	e1.7	e2.0	---	e2.0	---	54	---	5.6	3.9	---
TOTAL	101.5	64.8	52.2	55.4	51.0	56.8	120.3	626.1	1031	281.9	138.7	92.4
MEAN	3.27	2.16	1.68	1.79	1.76	1.83	4.01	20.2	34.4	9.09	4.47	3.08
MAX	4.2	2.6	2.0	2.0	2.1	2.3	8.1	54	61	14	5.5	4.0
MIN	2.5	1.6	1.4	1.3	1.4	1.4	1.9	8.1	14	5.6	3.7	2.6
AC-FT	201	129	104	110	101	113	239	1240	2040	559	275	183

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2.81	1.98	1.59	1.36	1.28	1.39	2.21	12.8	45.7	21.5	6.87	3.89
MAX	5.02	2.86	2.48	1.95	1.80	2.28	4.66	34.4	90.2	55.5	17.4	9.57
(WY)	1985	1985	1985	1985	1985	1985	1985	1984	1984	1995	1984	1984
MIN	1.65	1.27	1.06	.87	.45	.80	1.13	4.96	16.7	5.13	2.71	2.16
(WY)	1989	1970	1989	1992	1967	1965	1968	1995	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1965 - 2000	
ANNUAL TOTAL	3210.6		2672.1			
ANNUAL MEAN	8.80		7.30		8.62	
HIGHEST ANNUAL MEAN					17.4	1984
LOWEST ANNUAL MEAN					3.61	1977
HIGHEST DAILY MEAN	71	Jun 21	61	Jun 2	140	Jun 20 1983
LOWEST DAILY MEAN	e1.1	Jan 14	e1.3	Jan 6	.30	Feb 21 1967
ANNUAL SEVEN-DAY MINIMUM	1.1	Jan 14	1.4	Feb 24	.40	Feb 8 1967
INSTANTANEOUS PEAK FLOW			63	Jun 2	a155	Jun 20 1983
INSTANTANEOUS PEAK STAGE			2.53	Jun 2	a3.61	Jun 20 1983
ANNUAL RUNOFF (AC-FT)	6370		5300		6240	
10 PERCENT EXCEEDS	30		17		25	
50 PERCENT EXCEEDS	2.6		2.9		2.4	
90 PERCENT EXCEEDS	1.2		1.7		1.2	

e Estimated.
a Site and datum then in use.

09063400 TURKEY CREEK NEAR RED CLIFF, CO

LOCATION.--Lat 39°31'22", long 106°20'08", in $NW^1/_4SW^1/_4$ sec.16, T.6 S., R.80 W., Eagle County, Hydrologic Unit 14010003, on right bank 400 ft downstream from Lime Creek, 1.9 mi northeast of Red Cliff, and 2.0 mi upstream from mouth.

DRAINAGE AREA.--23.8 mi^2.

PERIOD OF RECORD.--October 1963 to current year.

REVISED RECORDS.--WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 8,918 ft above sea level, from topographic map.

REMARKS.--Records good except for the period May 30 to June 4 and estimated daily discharges, which are poor. No diversion upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	e7.4	e4.8	e4.2	e5.6	e3.9	e4.4	32	229	32	15	10
2	7.7	e6.6	e5.0	e4.2	e5.2	e3.9	e4.5	35	162	30	15	9.7
3	7.6	e6.6	e4.5	e4.2	e5.3	e3.8	e4.5	45	116	29	15	9.5
4	7.5	e7.0	e4.0	e4.2	e5.4	e3.9	e5.0	54	140	28	14	9.2
5	7.3	e6.5	e3.4	e4.2	e5.4	e3.9	e6.0	54	109	27	14	9.4
6	7.4	e6.8	e4.1	e4.2	e5.4	e4.0	e6.2	59	69	26	13	9.8
7	8.2	e7.0	e4.3	e4.2	e5.0	e3.9	e6.0	66	51	25	13	9.5
8	7.8	e7.0	e4.5	e4.5	e4.9	e3.8	e6.2	61	46	25	13	9.3
9	7.5	e7.0	e3.5	e4.2	e4.9	e3.8	e6.8	52	46	26	13	9.3
10	7.2	e6.4	e3.8	e4.2	e5.1	e3.8	e7.4	48	46	24	13	8.7
11	7.1	e6.4	e4.5	e4.2	e4.9	e3.8	e7.4	56	60	23	13	8.5
12	6.8	e6.4	e4.2	e4.5	e4.8	e3.7	e7.4	57	77	22	13	8.4
13	6.7	e6.2	e4.3	e4.5	e4.8	e3.7	e8.0	55	88	21	12	8.3
14	6.5	e6.6	e3.5	e4.5	e4.7	e3.7	e8.8	45	89	21	12	8.1
15	6.3	e6.0	e4.7	e4.3	e4.7	e3.6	e9.8	45	82	23	12	8.0
16	6.1	e6.0	e5.2	e4.5	e4.7	e3.5	e9.0	48	71	24	13	7.9
17	5.7	e6.4	e4.5	e4.5	e4.7	e3.5	e8.6	54	62	24	14	7.9
18	6.4	e5.0	e4.6	e4.5	e4.7	e3.7	e9.0	51	55	21	14	8.1
19	6.1	e4.8	e4.8	e5.5	e4.6	e3.9	e8.6	45	58	20	13	7.9
20	6.0	e5.2	e4.7	e5.2	e4.1	e4.0	e8.4	45	59	21	12	7.9
21	6.0	e5.0	e4.5	e5.1	e4.1	e4.0	e9.0	45	46	20	12	9.2
22	5.9	e4.7	e4.5	e5.0	e4.1	e4.0	e10	50	42	19	12	10
23	5.8	e4.5	e4.6	e5.0	e4.1	e4.0	e12	68	41	19	11	8.4
24	5.7	e3.9	e4.6	e5.2	e4.0	e4.4	e13	113	39	19	11	8.3
25	e5.6	e5.0	e4.5	e5.4	e4.0	e4.4	e14	165	38	18	11	8.1
26	e6.0	e5.4	e4.5	e5.4	e3.7	e4.4	16	145	38	18	11	8.1
27	e6.3	e5.2	e4.2	e5.1	e3.9	e4.5	21	128	37	17	10	7.8
28	e7.0	e5.0	e4.2	e4.9	e3.9	e4.9	28	130	35	17	11	7.8
29	e7.6	e4.9	e4.2	e4.9	e3.9	e5.0	32	153	35	17	12	7.9
30	e6.4	e4.8	e4.2	e4.9	---	e4.7	34	155	35	16	11	7.7
31	e7.0	---	e4.6	e5.6	---	e4.3	---	190	---	16	11	---
TOTAL	209.1	175.7	135.5	145.0	134.6	124.4	331.0	2349	2101	688	389	258.7
MEAN	6.75	5.86	4.37	4.68	4.64	4.01	11.0	75.8	70.0	22.2	12.5	8.62
MAX	8.2	7.4	5.2	5.6	5.6	5.0	34	190	229	32	15	10
MIN	5.6	3.9	3.4	4.2	3.7	3.5	4.4	32	35	16	10	7.7
AC-FT	415	349	269	288	267	247	657	4660	4170	1360	772	513

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6.19	4.61	3.66	3.22	3.03	3.55	7.69	47.8	120	47.7	14.2	8.12
MAX	12.2	9.19	5.76	4.96	4.64	6.36	23.1	103	274	139	39.1	19.8
(WY)	1985	1985	1985	1985	2000	1985	1985	1984	1984	1995	1984	1984
MIN	3.77	2.84	2.68	1.92	1.00	2.10	2.66	17.8	40.9	11.0	6.34	4.23
(WY)	1978	1978	1982	1987	1964	1981	1973	1995	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	7949.2		7041.0			
ANNUAL MEAN	21.8		19.2		22.5	
HIGHEST ANNUAL MEAN					49.4	1984
LOWEST ANNUAL MEAN					9.46	1977
HIGHEST DAILY MEAN	173	Jun 23	229	Jun 1	415	Jun 17 1965
LOWEST DAILY MEAN	e3.0	Jan 29	e3.4	Dec 5	a1.0	Jan 21 1964
ANNUAL SEVEN-DAY MINIMUM	3.0	Feb 27	3.6	Mar 12	1.0	Jan 21 1964
INSTANTANEOUS PEAK FLOW			292	Jun 1	b556	Jun 8 1985
INSTANTANEOUS PEAK STAGE			2.65	Jun 1	c2.87	Jun 8 1985
ANNUAL RUNOFF (AC-FT)	15770		13970		16320	
10 PERCENT EXCEEDS	65		51		69	
50 PERCENT EXCEEDS	7.0		7.4		5.9	
90 PERCENT EXCEEDS	3.2		4.1		2.8	

e Estimated.
a Also occurred Jan 22 to Feb 29, 1964.
b From rating curve extended above 325 ft^3/s.
c Maximum gage height for period of record, 3.24 ft, Jun 6, 1997.

09063900 MISSOURI CREEK NEAR GOLD PARK, CO

LOCATION.--Lat 39°23'25", long 106°28'10", Eagle County, Hydrologic Unit 14010003, on left bank 50 ft downstream from road culvert, 0.6 mi upstream from Fancy Creek, 2.2 mi southwest of Gold Park, and 10 mi southwest of Red Cliff.

DRAINAGE AREA.--6.39 mi^2.

PERIOD OF RECORD.--August 1972 to current year.

REVISED RECORDS.--WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Elevation of gage is 9,980 ft above sea level, from topographic map.

REMARKS.-- Records good except for estimated daily discharges, which are poor. Transmountain diversion upstream from station to Arkansas River basin through Homestake Tunnel. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	e1.2	e.74	e.64	e.68	e.78	e.74	20	52	7.3	6.1	5.5
2	5.8	e1.2	e.78	e.64	e.66	e.64	e.74	25	47	7.2	5.9	4.8
3	5.2	e1.2	e.78	e.64	e.70	e.62	e.76	28	45	7.0	5.8	4.1
4	4.8	e1.2	e.74	e.64	e.72	e.64	e.80	22	37	6.8	5.5	3.7
5	4.5	e1.1	e.72	e.64	e.72	e.64	e.90	24	28	6.7	5.4	3.9
6	4.8	e1.0	e.72	e.60	e.70	e.64	e.98	26	32	6.6	5.2	5.6
7	7.0	e.92	e.78	e.56	e.70	e.64	e.98	24	38	6.5	4.5	6.7
8	7.1	e.84	e.76	e.60	e.70	e.64	e1.0	22	41	6.5	4.7	6.9
9	7.1	e.80	e.72	e.64	e.70	e.64	e1.2	18	33	6.8	4.0	10
10	6.8	e.74	e.72	e.64	e.70	e.64	e1.3	20	18	6.6	3.7	7.1
11	6.2	e.82	e.76	e.64	e.74	e.66	e1.4	23	17	6.4	4.0	5.8
12	5.5	e.84	e.74	e.64	e.74	e.70	e1.6	21	15	6.4	5.1	5.1
13	4.9	e.84	e.70	e.62	e.70	e.66	e2.2	17	10	e6.0	5.1	4.6
14	4.7	e.82	e.68	e.64	e.70	e.64	e2.8	14	9.6	e7.0	4.3	4.2
15	4.2	e.88	e.70	e.64	e.70	e.62	e2.5	14	19	e10	4.0	3.8
16	4.0	e.86	e.74	e.64	e.70	e.64	e2.0	17	13	e14	4.5	3.5
17	e3.6	e.84	e.74	e.64	e.70	e.64	e2.5	17	8.0	e21	4.4	3.3
18	e3.5	e.80	e.74	e.64	e.70	e.66	e3.5	15	8.4	e20	4.3	3.3
19	e3.0	e.76	e.74	e.62	e.66	e.66	e3.5	14	46	e18	5.4	3.2
20	e3.1	e.78	e.74	e.64	e.62	e.66	e2.7	14	60	11	5.1	2.8
21	e2.6	e.80	e.72	e.62	e.62	e.66	e3.5	16	31	14	6.1	6.0
22	e2.3	e.78	e.70	e.62	e.64	e.66	e4.5	22	27	12	6.3	16
23	e2.1	e.74	e.68	e.62	e.64	e.66	e4.5	e50	24	11	5.5	9.9
24	e2.1	e.70	e.68	e.62	e.64	e.68	e4.0	77	21	10	6.1	8.5
25	e2.1	e.80	e.68	e.64	e.60	e.68	e3.9	74	22	9.8	5.5	7.8
26	e1.8	e.81	e.66	e.66	e.60	e.66	e3.9	43	23	9.4	5.4	7.3
27	e1.6	e.82	e.64	e.62	e.64	e.74	7.5	36	24	8.8	6.1	6.3
28	e1.4	e.80	e.64	e.62	e.70	e.80	11	52	22	8.4	5.6	5.7
29	e1.3	e.74	e.64	e.62	e.70	e.76	15	98	14	7.7	5.6	6.9
30	e1.3	e.76	e.64	e.62	---	e.74	20	93	7.3	7.2	6.0	7.6
31	e1.2	---	e.66	e.66	---	e.74	---	70	---	6.6	6.0	---
TOTAL	122.2	26.19	22.08	19.52	19.72	20.84	111.90	1026	792.3	292.7	161.2	179.9
MEAN	3.94	.87	.71	.63	.68	.67	3.73	33.1	26.4	9.44	5.20	6.00
MAX	7.1	1.2	.78	.66	.74	.80	20	98	60	21	6.3	16
MIN	1.2	.70	.64	.56	.60	.62	.74	14	7.3	6.0	3.7	2.8
AC-FT	242	52	44	39	39	41	222	2040	1570	581	320	357

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3.27	1.85	1.12	.82	.70	.82	2.65	15.4	32.3	20.7	9.27	4.95
MAX	7.29	3.59	2.73	1.66	1.48	1.75	7.02	41.7	79.0	78.6	29.1	9.46
(WY)	1985	1997	1996	1996	1998	1998	1974	1984	1984	1984	1983	1984
MIN	.84	.61	.35	.31	.28	.37	.71	4.00	12.7	7.96	3.55	1.65
(WY)	1980	1977	1977	1976	1977	1979	1983	1983	1977	1997	1977	1974

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1972 - 2000	
ANNUAL TOTAL	2325.60		2794.55			
ANNUAL MEAN	6.37		7.64		7.84	
HIGHEST ANNUAL MEAN					20.6	1984
LOWEST ANNUAL MEAN					4.35	1977
HIGHEST DAILY MEAN	60	Jun 23	98	May 29	172	Jul 10 1984
LOWEST DAILY MEAN	e.64	Dec 27	e.56	Jan 7	a.24	Feb 12 1977
ANNUAL SEVEN-DAY MINIMUM	.65	Dec 25	.62	Jan 2	.25	Feb 7 1977
INSTANTANEOUS PEAK FLOW			166	May 29	b300	Jul 4 1975
INSTANTANEOUS PEAK STAGE			3.23	May 29	c3.19	Jul 4 1975
ANNUAL RUNOFF (AC-FT)	4610		5540		5680	
10 PERCENT EXCEEDS	16		21		20	
50 PERCENT EXCEEDS	2.4		3.0		2.3	
90 PERCENT EXCEEDS	.78		.64		.55	

e Estimated.
a Also occurred Feb 13, 1977.
b From rating curve extended above 35 ft^3/s.
c Maximum gage height, 3.83 ft, Jul 30, 1983.

09064000 HOMESTAKE CREEK AT GOLD PARK, CO

LOCATION.--Lat 39°24'20", long 106°25'58", Eagle County, Hydrologic Unit 14010003, on left bank at Gold Park, 400 ft downstream from ford at Gold Park Campground, 0.5 mi downstream from French Creek, and 8 mi southwest of Red Cliff.

DRAINAGE AREA.--36.0 mi^2.

PERIOD OF RECORD.--October 1947 to September 1954, August 1972 to current year. Statistical summary computed for 1973 to current year.

REVISED RECORDS.--WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry, and crest-stage gage. Elevation of gage is 9,200 ft above sea level, from topographic map. Prior to Aug. 1, 1972, water-stage recorder at site 1,500 ft upstream at datum 9,245 ft above sea level (river-profile survey).

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Homestake Lake (capacity, 44,360 acre-ft) since June 7, 1966. Transmountain diversion upstream from station to Arkansas River basin through Homestake Tunnel since June 6, 1967. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	e10	e5.6	e4.5	e4.8	e4.5	e5.2	83	142	22	16	19
2	19	e8.8	e5.6	e4.5	e4.6	e4.5	e5.2	89	118	22	15	17
3	17	e9.4	e5.6	e4.5	e5.0	e4.5	e5.2	84	108	21	15	15
4	15	e9.4	e5.2	e4.5	e5.2	e4.5	e6.0	78	88	21	15	13
5	14	e11	e5.0	e4.5	e5.2	e4.5	e6.4	93	70	24	14	13
6	14	e10	e5.2	e4.0	e5.0	e4.5	e7.0	98	70	34	13	16
7	22	e9.6	e5.6	e4.5	e5.0	e4.5	e6.8	89	73	34	12	19
8	25	e9.4	e5.6	e4.5	e5.0	e4.5	e7.0	81	76	33	11	18
9	25	e9.0	e5.0	e4.5	e5.0	e4.5	e8.6	61	63	38	11	25
10	23	e8.8	e5.4	e4.5	e5.0	e4.5	e8.8	69	40	39	10	20
11	20	e8.6	e5.4	e4.5	e5.2	e4.7	e10	82	36	38	10	16
12	18	e8.6	e5.2	e4.5	e5.0	e5.0	e13	67	34	36	12	15
13	15	e7.8	e4.6	e4.5	e5.0	e4.7	20	49	34	32	14	14
14	14	e8.0	e4.6	e4.5	e5.0	e4.5	23	39	110	44	12	12
15	e13	e8.2	e5.2	e4.5	e5.0	e4.5	18	39	256	59	11	12
16	e12	e7.8	e5.2	e4.5	e5.0	e4.5	16	46	276	109	14	11
17	e12	e7.2	e5.2	e4.5	e5.0	e4.5	20	53	231	126	15	10
18	e14	e6.6	e5.2	e4.5	e5.0	e4.6	29	43	205	95	14	10
19	e13	e6.2	e5.2	e4.5	e4.5	e4.6	24	41	320	72	18	10
20	e12	e7.0	e5.2	e4.5	e4.2	e4.6	22	41	353	56	16	9.7
21	e12	e7.8	e4.9	e4.5	e4.5	e4.7	30	43	182	45	18	16
22	e11	e7.4	e4.9	e4.5	e4.5	e4.7	32	58	158	38	20	42
23	e10	e6.4	e4.9	e4.5	e4.5	e4.6	32	166	158	34	17	28
24	e10	e5.6	e4.9	e4.5	e4.5	e4.6	25	272	150	31	22	24
25	e9.6	e7.0	e4.8	e4.6	e4.2	e4.6	27	237	150	29	23	21
26	e9.6	e8.4	e4.8	e4.8	e4.2	e4.6	26	110	114	26	22	20
27	e9.4	e8.0	e4.5	e4.5	e4.5	e5.8	37	72	73	24	21	18
28	e8.8	e7.4	e4.5	e4.5	e4.5	e5.6	56	110	65	22	20	16
29	e9.8	e6.8	e4.5	e4.5	e4.5	e5.4	75	282	46	21	21	17
30	e9.0	e6.0	e4.5	e4.5	---	e5.2	92	274	23	20	21	18
31	e9.8	---	e4.8	e4.8	---	e5.0	---	205	---	18	20	---
TOTAL	448.0	242.2	156.8	139.7	138.6	146.0	693.2	3154	3822	1263	493	514.7
MEAN	14.5	8.07	5.06	4.51	4.78	4.71	23.1	102	127	40.7	15.9	17.2
MAX	25	11	5.6	4.8	5.2	5.8	92	282	353	126	23	42
MIN	8.8	5.6	4.5	4.0	4.2	4.5	5.2	39	23	18	10	9.7
AC-FT	889	480	311	277	275	290	1370	6260	7580	2510	978	1020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	14.0	9.82	7.34	6.05	5.67	6.60	14.9	66.5	101	62.4	32.4	17.1
MAX	31.4	15.2	13.8	10.9	10.3	12.4	33.8	211	310	243	121	34.8
(WY)	1985	1991	1986	1986	1986	1989	1989	1984	1984	1995	1983	1984
MIN	6.15	4.37	2.78	2.16	1.98	2.56	5.50	29.7	38.0	24.4	12.9	8.36
(WY)	1990	1990	1976	1976	1976	1976	1983	1977	1992	1988	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1973 - 2000	
ANNUAL TOTAL	8770.9		11211.2			
ANNUAL MEAN	24.0		30.6		a28.7	
HIGHEST ANNUAL MEAN					79.2	1984
LOWEST ANNUAL MEAN					15.3	1977
HIGHEST DAILY MEAN	139	Jun 23	353	Jun 20	b602	Jun 30 1984
LOWEST DAILY MEAN	e4.5	Dec 27	e4.0	Jan 6	1.8	Feb 5 1976
ANNUAL SEVEN-DAY MINIMUM	4.6	Dec 25	4.4	Feb 20	1.9	Jan 31 1976
INSTANTANEOUS PEAK FLOW			671	Jun 19	c930	Jun 30 1984
INSTANTANEOUS PEAK STAGE			5.56	Jun 19	d6.21	Jun 30 1984
ANNUAL RUNOFF (AC-FT)	17400		22240		20810	
10 PERCENT EXCEEDS	60		81		65	
50 PERCENT EXCEEDS	12		12		12	
90 PERCENT EXCEEDS	5.2		4.5		4.5	

e Estimated.
a Average discharge for 7 years (water years 1948-54), 63.4 ft^3/s, 45,930 acre-ft/yr, prior to diversion through Homestake Tunnel.
b Maximum daily discharge for period of record, 755 ft^3/s, Jun 21, 1951.
c Maximum discharge and stage for period of record, 1080 ft^3/s, Jun 13, 1953, gage height, 6.84 ft, site and datum then in use, from rating curve extended above 700 ft^3/s.
d Maximum gage height for statistical period, 6.31 ft, Apr 5, 1978, backwater from ice.

09064500 HOMESTAKE CREEK NEAR RED CLIFF, CO

LOCATION.--Lat 39°28'24", long 106°22'02", in $NE^1/_4NE^1/_4$ sec.6, T.7 S., R.80 W., Eagle County, Hydrologic Unit 14010003, on right bank at downstream side of Forest Service road bridge, 2.4 mi south of Red Cliff, and 3.0 mi upstream from mouth.

DRAINAGE AREA.--58.2 mi^2.

PERIOD OF RECORD.--October 1910 to September 1918, May 1944 to current year. Published as "at Redcliff" October 1910 to September 1916. Statistical summary computed for 1967 to current year.

REVISED RECORDS.--WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 8,783 ft above sea level (river-profile survey). See WSP 1713 or 1733 for history of changes prior to May 8, 1961.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Homestake Lake (capacity, 44,360 acre-ft) since June 7, 1966. Transmountain diversions upstream from station through Homestake Tunnel (see elsewhere in this report) since June 6, 1967. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	12	e7.0	e5.4	e5.4	e6.0	e6.9	161	272	37	18	28
2	20	10	e6.4	e5.2	e5.4	e6.0	e7.6	181	227	35	16	24
3	19	11	e6.4	e5.0	e5.3	e6.0	e8.0	189	210	33	15	18
4	17	11	e6.4	e5.0	e5.6	e6.0	e8.4	183	179	30	16	15
5	17	12	e6.2	e5.0	e5.8	e6.0	e8.6	203	156	30	14	14
6	18	11	e5.8	e4.2	e6.0	e6.0	e8.8	212	135	43	13	21
7	27	11	e5.8	e4.2	e5.7	e6.0	e9.6	198	142	43	9.8	28
8	32	10	e6.2	e5.0	e5.6	e5.9	e10	193	136	41	8.8	25
9	32	9.4	e6.2	e5.2	e5.6	e5.9	e12	152	135	51	9.4	41
10	26	e9.2	e6.0	e5.0	e5.7	e6.0	e18	148	90	49	8.3	31
11	23	e9.2	e5.8	e5.1	e5.6	e5.9	e22	185	76	47	8.5	23
12	21	e9.2	e6.0	e5.1	e5.8	e6.4	e26	160	72	48	11	19
13	19	e9.2	e5.8	e5.1	e5.8	e7.0	e28	115	67	39	17	16
14	18	e8.6	e5.4	e5.1	e5.8	e6.8	e27	97	110	54	9.8	14
15	17	e8.8	e5.2	e5.1	e5.8	e6.4	e25	94	257	66	12	11
16	15	e9.0	e5.6	e5.0	e5.8	e6.2	e27	108	294	117	14	9.1
17	15	e8.6	e5.8	e5.0	e5.8	e6.1	e37	122	254	154	23	6.8
18	17	e8.0	e5.8	e5.0	e5.8	e6.1	e40	96	223	120	18	8.4
19	16	e7.6	e5.8	e5.0	e5.6	e6.1	e31	88	276	89	27	9.1
20	15	e7.2	e5.8	e5.0	e5.4	e6.2	e38	91	416	68	23	8.5
21	15	e7.6	e5.8	e5.1	e4.8	e6.2	e50	92	228	56	24	12
22	14	e8.6	e5.8	e5.1	e5.2	e6.2	e54	111	189	48	31	68
23	13	e8.0	e5.4	e5.1	e5.3	e6.0	e52	199	187	41	19	46
24	13	e7.2	e5.4	e5.0	e5.3	e6.2	e50	364	177	37	32	33
25	12	e6.6	e5.4	e5.0	e5.2	e6.8	e78	385	175	34	38	29
26	12	e7.6	e5.4	e5.2	e5.1	e7.6	84	254	154	31	44	27
27	12	e9.2	e5.4	e5.4	e4.8	e7.3	112	189	107	30	37	23
28	11	e9.2	e5.4	e5.2	e5.2	e7.0	148	187	92	30	31	20
29	13	e8.4	e5.2	e5.1	e5.2	e6.8	171	373	74	27	31	20
30	11	e7.6	e5.2	e5.0	---	e6.8	190	431	41	23	32	25
31	12	---	e5.2	e5.0	---	e6.9	---	346	---	20	31	---
TOTAL	545	272.0	179.0	155.9	159.4	196.8	1387.9	5907	5151	1571	641.6	672.9
MEAN	17.6	9.07	5.77	5.03	5.50	6.35	46.3	191	172	50.7	20.7	22.4
MAX	32	12	7.0	5.4	6.0	7.6	190	431	416	154	44	68
MIN	11	6.6	5.2	4.2	4.8	5.9	6.9	88	41	20	8.3	6.8
AC-FT	1080	540	355	309	316	390	2750	11720	10220	3120	1270	1330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	19.2	13.5	10.4	8.63	8.43	10.8	36.1	128	149	75.4	37.9	22.7
MAX	45.1	31.0	19.7	16.7	16.7	22.5	73.1	358	439	313	136	42.3
(WY)	1985	1985	1985	1996	1996	1989	1986	1984	1984	1984	1983	1984
MIN	8.59	5.30	4.66	3.19	2.93	3.60	10.8	53.6	55.2	27.8	8.54	8.29
(WY)	1976	1967	1989	1987	1987	1981	1983	1990	1992	1967	1990	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1967 - 2000	
ANNUAL TOTAL	15344.6		16839.5			
ANNUAL MEAN	42.0		46.0		43.5	
HIGHEST ANNUAL MEAN					116	1984
LOWEST ANNUAL MEAN					a20.3	1977
HIGHEST DAILY MEAN	227	May 25	431	May 30	831	May 25 1984
LOWEST DAILY MEAN	e5.2	Dec 15	e4.2	Jan 6	b1.8	Sep 2 1990
ANNUAL SEVEN-DAY MINIMUM	5.3	Dec 25	4.8	Jan 2	2.1	Aug 29 1990
INSTANTANEOUS PEAK FLOW			638	May 30	c943	May 24 1984
INSTANTANEOUS PEAK STAGE			3.51	May 30	3.96	May 24 1984
ANNUAL RUNOFF (AC-FT)	30440		33400		31540	
10 PERCENT EXCEEDS	131		157		117	
50 PERCENT EXCEEDS	17		13		17	
90 PERCENT EXCEEDS	7.2		5.2		6.4	

e Estimated.
a Average discharge for 30 years (water years 1911-18, 1945-66), 86.6 ft^3/s; 62,740 acre-ft/yr, prior to diversion through Homestake tunnel.
b Minimum observed for period of record, 0.60 ft^3/s, Jan 25, 1915 (discharge measurement).
c Maximum discharge and stage for period of record, 1300 ft^3/s, Jun 24, 1918, gage height, 6.20 ft, site and datum then in use.

09064600 EAGLE RIVER NEAR MINTURN, CO

LOCATION.--Lat 39°33'14", long 106°24'07", in $SW^1/_4SE^1/_4$ of unsurveyed sec. T.6 S., R.81 W., Eagle County, Hydrologic Unit 14010003, on left bank 500 ft upstream from U.S. Highway 24 bridge and 2.5 miles southeast of Minturn.

DRAINAGE AREA.--186 mi^2.

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,078.37 ft above sea level, from levels by private engineering firm.

REMARKS.--Records good except for estimated daily discharges, which are poor. Transmountain diversions upstream from station by Columbine, Ewing, and Wurtz Ditches. Transmountain diversion from Robinson Reservoir (capacity 2,520 acre-ft), for use in Tenmile Creek basin. Several small diversions for irrigation upstream from station. No regulation. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	44	e39	e31	e34	e30	34	358	846	155	64	64
2	59	39	e39	e34	e32	29	33	399	742	146	61	60
3	57	38	e39	e31	e35	28	34	464	690	140	58	56
4	54	38	e36	e31	e37	29	36	505	634	132	60	54
5	52	38	e34	e31	e37	30	48	579	590	122	58	e51
6	52	38	e37	e27	e37	30	60	623	540	129	57	e62
7	66	37	e39	e31	e35	29	64	615	527	126	53	e66
8	77	37	e39	e31	e35	31	69	593	504	125	50	e68
9	72	37	e35	e31	e35	29	85	501	496	152	e48	e78
10	68	34	e37	e31	e35	30	101	481	420	145	e47	e72
11	64	35	e35	e31	e37	30	97	575	377	131	e55	e62
12	60	e33	e37	e31	e35	30	103	550	351	126	e55	e55
13	57	e30	e33	e30	e35	31	125	442	331	119	e57	e50
14	55	e32	e33	e28	e35	31	142	393	327	122	e53	e47
15	52	e32	e37	e31	e35	29	133	375	452	141	e49	e44
16	49	e30	e37	e31	e35	32	114	395	497	197	e60	e42
17	43	e30	e37	e31	e35	30	132	442	443	243	68	e40
18	51	e36	e37	e31	e35	30	170	398	399	209	68	e42
19	50	e32	e37	e34	e32	31	162	377	447	165	70	e42
20	48	e37	e37	e31	e30	29	144	370	670	139	65	e39
21	48	37	e34	e31	e32	30	168	363	417	122	64	e44
22	47	37	e34	e31	e32	28	181	409	351	109	68	e86
23	46	34	e34	e31	e32	28	174	564	339	100	61	e78
24	45	30	e34	e31	e32	29	166	832	322	93	66	e69
25	44	e28	e34	e31	e30	29	154	923	315	91	76	e62
26	43	e39	e34	e34	e29	30	183	777	305	86	80	e60
27	42	e41	e31	e34	e30	32	241	655	269	83	73	e57
28	41	e39	e31	e33	e30	36	329	642	232	80	67	e50
29	46	e39	e31	e32	e30	37	381	892	207	75	72	e50
30	41	e39	e31	e30	---	36	409	1030	167	70	73	e53
31	42	---	e31	e30	---	35	---	946	---	67	71	---
TOTAL	1633	1070	1093	966	973	948	4272	17468	13207	3940	1927	1703
MEAN	52.7	35.7	35.3	31.2	33.6	30.6	142	563	440	127	62.2	56.8
MAX	77	44	39	34	37	37	409	1030	846	243	80	86
MIN	41	28	31	27	29	28	33	358	167	67	47	39
AC-FT	3240	2120	2170	1920	1930	1880	8470	34650	26200	7810	3820	3380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	46.8	39.0	31.4	28.4	27.9	33.9	92.0	416	556	212	90.1	57.0
MAX	68.8	47.8	44.6	41.8	42.3	54.4	175	726	962	661	186	73.8
(WY)	1998	1996	1996	1996	1996	1997	1996	1996	1995	1995	1995	1995
MIN	27.6	25.3	21.2	17.9	18.4	23.5	50.4	219	263	94.8	49.8	40.6
(WY)	1990	1990	1990	1990	1990	1991	1991	1990	1992	1994	1990	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	50585		49200			
ANNUAL MEAN	139		134		136	
HIGHEST ANNUAL MEAN					197	1995
LOWEST ANNUAL MEAN					87.9	1990
HIGHEST DAILY MEAN	729	Jun 17	1030	May 30	1540	Jun 18 1995
LOWEST DAILY MEAN	e20	Mar 13	e27	Jan 6	11	Dec 9 1994
ANNUAL SEVEN-DAY MINIMUM	22	Mar 9	29	Mar 20	16	Jan 4 1990
INSTANTANEOUS PEAK FLOW			1220	May 30	1810	Jun 18 1995
INSTANTANEOUS PEAK STAGE			5.85	May 30	6.75	Jun 18 1995
ANNUAL RUNOFF (AC-FT)	100300		97590		98590	
10 PERCENT EXCEEDS	477		418		391	
50 PERCENT EXCEEDS	57		50		49	
90 PERCENT EXCEEDS	30		30		25	

e Estimated.

09065100 CROSS CREEK NEAR MINTURN, CO

LOCATION.--Lat 39°34'05", long 106°24'43", in $SW^1/_4SW^1/_4$ sec.36, T.5 S., R.81 W., Eagle County, Hydrologic Unit 14010003, on right bank 0.4 mi upstream from mouth, and 1.5 mi southeast of Minturn.

DRAINAGE AREA.--34.2 mi^2.

PERIOD OF RECORD.--May 1956 to September 1963, October 1967 to current year.

REVISED RECORDS.--WDR CO-81-2: 1980 (M). WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,992 ft above sea level, from topographic map. Prior to July 18, 1956, nonrecording gage at site 0.3 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Bolts ditch exports water upstream from station to tailings ponds and recreation lake along Eagle River. Diversion 0.5 mi upstream from station for water supply of school and for municipal supply of Minturn. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	13	e4.2	e3.4	e4.4	e4.3	e6.0	69	398	109	17	40
2	22	11	e4.2	e3.4	e4.4	e4.3	e6.0	89	343	106	16	33
3	20	14	e4.2	e3.4	e4.4	e4.3	e6.0	124	324	99	16	27
4	18	15	e3.9	e3.4	e4.7	e4.3	e6.8	155	287	94	17	24
5	17	13	e3.7	e3.4	e4.7	e4.3	e8.7	204	281	80	16	22
6	17	12	e4.0	e3.0	e4.7	e4.3	e14	241	239	75	15	30
7	25	e9.8	e4.2	e3.5	e4.5	e4.3	e13	221	268	72	14	38
8	26	e8.2	e4.2	e3.5	e4.5	e4.5	e13	192	274	67	13	33
9	25	e7.4	e3.7	e3.5	e4.5	e4.2	e16	133	295	94	12	47
10	24	e7.0	e4.2	e3.5	e4.5	e4.2	e20	119	217	82	12	38
11	22	e7.2	e4.2	e3.5	e4.8	e4.2	e20	164	201	73	17	29
12	20	e6.5	e3.9	e3.5	e4.9	e4.8	e20	157	199	67	15	25
13	18	e6.0	e3.6	e3.5	e4.5	e4.5	e24	102	177	58	17	22
14	17	e6.0	e3.6	e3.2	e4.5	e4.5	e30	85	134	57	14	19
15	15	e6.0	e3.9	e3.5	e4.5	e4.5	e36	87	174	61	14	17
16	14	e5.0	e3.9	e3.7	e4.5	e4.5	e33	98	189	94	27	16
17	13	e5.0	e3.9	e3.7	e4.5	e4.5	e30	134	143	111	48	15
18	15	e5.6	e3.9	e3.7	e4.5	e4.5	e32	94	128	108	45	15
19	14	e4.2	e3.9	e4.3	e4.5	e4.5	e31	80	200	67	62	15
20	14	e4.8	e3.9	e4.0	e4.3	e4.5	e29	88	277	51	52	13
21	14	e4.8	e3.6	e4.0	e4.5	e4.5	39	94	171	42	44	15
22	13	e4.8	e3.6	e4.0	e4.5	e4.5	46	132	144	35	47	59
23	12	e4.3	e3.6	e4.0	e4.5	e5.0	57	259	138	32	37	50
24	11	e3.4	e3.6	e4.0	e4.5	e5.6	39	448	115	29	31	39
25	11	e4.4	e3.6	e4.3	e4.1	e5.6	34	458	123	27	57	33
26	10	e5.4	e3.6	e4.3	e3.8	e5.6	42	343	126	26	49	31
27	11	e5.2	e3.3	e4.3	e4.3	e5.6	55	209	158	25	51	27
28	10	e4.9	e3.3	e4.0	e4.3	e6.2	72	227	123	24	44	23
29	11	e4.6	e3.3	e3.8	e4.3	e6.8	78	458	111	22	46	23
30	10	e4.3	e3.3	e3.6	---	e6.4	80	546	112	20	50	27
31	13	---	e3.7	e3.5	---	e6.0	---	466	---	18	44	---
TOTAL	506	212.8	117.7	114.4	129.6	149.8	936.5	6276	6069	1925	959	845
MEAN	16.3	7.09	3.80	3.69	4.47	4.83	31.2	202	202	62.1	30.9	28.2
MAX	26	15	4.2	4.3	4.9	6.8	80	546	398	111	62	59
MIN	10	3.4	3.3	3.0	3.8	4.2	6.0	69	111	18	12	13
AC-FT	1000	422	233	227	257	297	1860	12450	12040	3820	1900	1680

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	13.7	7.19	4.27	3.14	3.01	4.15	21.3	123	252	134	44.7	22.5
MAX	49.5	15.6	9.81	8.85	8.84	11.4	57.6	221	360	355	122	65.0
(WY)	1962	1962	1997	1997	1997	1997	1962	1970	1980	1957	1983	1961
MIN	3.39	1.99	.99	.17	.48	1.09	6.35	57.8	134	38.5	14.4	6.68
(WY)	1957	1957	1963	1963	1977	1977	1973	1995	1977	1977	1977	1974

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1957 - 2000	
ANNUAL TOTAL	20741.8		18240.8			
ANNUAL MEAN	56.8		49.8		52.9	
HIGHEST ANNUAL MEAN					83.2	1984
LOWEST ANNUAL MEAN					25.4	1977
HIGHEST DAILY MEAN	399	Jun 26	546	May 30	618	Jun 30 1957
LOWEST DAILY MEAN	e3.1	Feb 12	e3.0	Jan 6	a.10	Dec 27 1962
ANNUAL SEVEN-DAY MINIMUM	3.4	Dec 24	3.4	Jan 1	.13	Dec 26 1962
INSTANTANEOUS PEAK FLOW			738	May 30	754	Jun 30 1957
INSTANTANEOUS PEAK STAGE			5.03	May 30	b5.45	Jun 30 1957
ANNUAL RUNOFF (AC-FT)	41140		36180		38300	
10 PERCENT EXCEEDS	205		143		178	
50 PERCENT EXCEEDS	16		15		11	
90 PERCENT EXCEEDS	3.8		3.8		2.3	

e Estimated.
a Also occurred Dec 28-31, 1962, Jan 6-8, 11-15, 1963.
b Maximum gage height, 6.14 ft, Aug 6, 1983.

09065500 GORE CREEK AT UPPER STATION, NEAR MINTURN, CO

LOCATION.--Lat 39°37'33", long 106°16'39", in NE$^{1}/_{4}$NW$^{1}/_{4}$ sec.18, T.5 S., R.79 W., Eagle County, Hydrologic Unit 14010003, on right bank 20 ft downstream from bridge pier on Interstate 70, 0.2 mi upstream from Black Gore Creek, 4.4 mi east of Vail, and 8.4 mi northeast of Minturn.

DRAINAGE AREA.--14.4 mi^2.

PERIOD OF RECORD.--October 1947 to September 1956, October 1963 to current year.

REVISED RECORDS.--WDR CO-89-2: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 8,600 ft above sea level, from topographic map. Oct. 1, 1947 to Sept. 30,1956, Oct. 1, 1963 to Sept. 30, 1980, at various sites about 1200 ft upstream at different datums. See WDR CO-80-2, for history of changes prior to Oct. 1, 1980. Oct. 1, 1980 to Apr. 21, 1992, gage at site 10 ft upstream and at datum 2.0 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e11	8.4	e4.1	e3.7	e3.2	e4.0	e6.2	e45	265	73	12	14
2	e11	6.1	e3.9	e3.5	e3.6	e4.0	e6.2	e60	252	70	12	12
3	e10	4.6	e3.9	e3.3	e3.9	e4.0	e6.0	e80	233	65	12	10
4	e9.8	4.5	e3.9	e3.0	e3.9	e4.1	e6.2	e100	220	59	11	9.0
5	e9.8	4.5	e3.5	e3.0	e3.9	e4.1	e8.6	e120	219	53	11	8.3
6	e10	4.4	e4.5	e2.8	e4.1	e4.1	e10	e130	217	50	11	9.5
7	e12	4.4	e4.8	e2.8	e3.9	e4.2	9.3	e130	217	47	9.7	9.9
8	e13	3.7	e4.8	e3.0	e3.9	e4.0	e10	e110	202	45	9.1	11
9	e12	3.7	e4.4	e3.0	e3.9	e3.9	e12	e92	170	56	8.7	12
10	e12	3.9	e4.4	e3.0	e4.1	e4.0	e16	e70	152	49	8.5	9.6
11	e11	3.8	e4.5	e3.3	e4.3	e4.0	e15	112	146	44	9.3	8.1
12	e11	3.9	e4.4	e3.5	e4.1	e4.0	e15	97	140	40	10	7.4
13	e10	3.8	e4.1	e3.7	e4.1	e3.8	e20	63	124	36	9.3	6.8
14	e9.4	4.1	e4.3	e3.5	e4.4	e3.8	e21	54	111	34	8.1	6.4
15	9.2	3.9	e4.2	e3.3	e4.1	e3.7	e22	58	129	34	8.7	6.0
16	8.3	3.9	e4.3	e3.3	e4.1	e3.5	e18	81	126	41	11	5.6
17	9.5	3.7	e4.0	e3.3	e4.4	e3.6	e19	87	106	47	12	5.4
18	9.6	2.7	e3.7	e3.3	e4.3	e4.2	e24	58	96	39	18	5.7
19	9.0	2.9	e3.7	e3.4	e4.0	e4.6	e22	49	117	32	16	5.4
20	9.1	e3.2	e3.7	e3.4	e4.2	e5.0	e20	50	133	28	14	5.1
21	9.0	e3.5	e3.9	e3.4	e4.2	e4.6	e22	53	106	25	14	8.7
22	8.4	e3.4	e3.7	e3.4	e4.2	e4.8	e24	81	99	22	13	16
23	8.2	e3.4	e3.7	e3.3	e4.2	e5.0	e25	165	93	21	11	13
24	7.9	e3.3	e3.5	e3.3	e4.5	e5.6	e22	216	82	19	11	12
25	7.5	e3.1	e3.5	e3.5	e4.3	e5.8	e20	188	83	18	18	11
26	7.7	e3.3	e3.8	e3.5	e4.2	e5.8	e23	138	91	17	14	10
27	7.5	e3.7	e4.1	e3.3	e4.1	e5.6	e31	112	92	16	13	9.0
28	7.0	e3.9	e4.3	e3.1	e4.1	e7.0	e42	163	79	16	13	8.2
29	7.4	e4.1	e4.3	e2.9	e4.2	e7.0	e47	290	76	15	17	8.2
30	7.7	e4.1	e4.0	e2.7	---	e6.8	e47	309	74	14	16	8.2
31	8.8	---	e3.9	e2.6	---	e6.4	---	285	---	13	15	---
TOTAL	293.8	119.9	125.8	100.1	118.4	145.0	589.5	3646	4250	1138	376.4	271.5
MEAN	9.48	4.00	4.06	3.23	4.08	4.68	19.6	118	142	36.7	12.1	9.05
MAX	13	8.4	4.8	3.7	4.5	7.0	47	309	265	73	18	16
MIN	7.0	2.7	3.5	2.6	3.2	3.5	6.0	45	74	13	8.1	5.1
AC-FT	583	238	250	199	235	288	1170	7230	8430	2260	747	539

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	7.56	4.98	3.69	3.16	3.06	3.71	11.7	69.1	154	70.4	20.7	9.62
MAX	19.8	15.3	9.23	9.75	10.6	12.6	22.5	121	245	198	83.7	22.9
(WY)	1985	1985	1986	1986	1986	1985	1969	1974	1978	1983	1983	1984
MIN	3.12	2.50	1.94	1.86	1.55	1.57	3.81	23.4	59.2	17.2	7.37	3.52
(WY)	1976	1976	1964	1964	1977	1977	1973	1968	1954	1977	1954	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1948 - 2000	
ANNUAL TOTAL	10060.7		11174.4			
ANNUAL MEAN	27.6		30.5		30.2	
HIGHEST ANNUAL MEAN					48.3	1983
LOWEST ANNUAL MEAN					17.4	1954
HIGHEST DAILY MEAN	180	Jun 25	309	May 30	455	Jun 25 1983
LOWEST DAILY MEAN	1.8	Feb 20	2.6	Jan 31	1.2	Mar 5 1977
ANNUAL SEVEN-DAY MINIMUM	1.8	Feb 17	2.9	Jan 4	1.3	Feb 27 1977
INSTANTANEOUS PEAK FLOW			435	May 29	a662	Jun 24 1983
INSTANTANEOUS PEAK STAGE			3.66	May 29	b2.60	Jun 24 1983
ANNUAL RUNOFF (AC-FT)	19960		22160		21890	
10 PERCENT EXCEEDS	104		98		100	
50 PERCENT EXCEEDS	8.4		8.6		7.0	
90 PERCENT EXCEEDS	2.1		3.5		2.5	

e Estimated.
a From rating curve extended above 140 ft^3/s.
b Maximum gage height, 6.65 ft, Jun 18, 1951, datum then in use.

09066000 BLACK GORE CREEK NEAR MINTURN, CO

LOCATION.--Lat 39°35'47", long 106°15'52", T.5 S., R.79 W., Eagle County, Hydrologic Unit 14010003, on right bank 200 ft from U.S. Highway 6, 0.3 mi upstream from Timber Creek, 2.5 mi upstream from mouth, and 9 mi east of Minturn.

DRAINAGE AREA.--12.6 mi^2.

PERIOD OF RECORD.--October 1947 to September 1956, October 1963 to current year.

REVISED RECORDS.--WDR CO-89-2: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 9,150 ft above sea level, from topographic map. Prior to October 1963, at site 15 ft upstream, at present datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversions upstream from station. Natural regulation by two small recreation lakes upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	e3.0	e2.7	e3.5	e2.3	e3.4	e4.4	20	172	17	5.4	4.4
2	4.8	e2.9	e3.0	e3.7	e2.6	e3.5	e4.4	28	154	17	5.3	4.0
3	4.6	e2.9	e3.1	e3.4	e2.9	e3.5	e4.2	39	142	16	5.1	3.7
4	4.6	e2.8	e2.9	e3.1	e3.2	e3.7	e4.6	51	129	15	5.0	3.5
5	4.6	e2.7	e2.7	e3.1	e3.2	e3.9	e6.0	64	118	14	4.9	3.7
6	4.7	e2.7	e3.2	e3.0	e3.3	e3.9	e5.8	69	109	13	4.7	4.1
7	6.2	e2.6	e3.3	e3.2	e3.2	e4.1	5.3	70	99	12	4.6	3.7
8	6.3	e2.6	e3.5	e3.3	e3.2	e3.7	6.1	65	87	12	4.4	4.4
9	5.9	e2.5	e3.2	e3.3	e3.2	e3.8	8.3	52	76	14	4.3	4.2
10	5.3	e2.5	e3.5	e3.5	e3.5	e3.9	8.5	62	66	12	4.4	3.6
11	5.0	e2.7	e3.4	e3.7	e3.7	e3.9	7.7	90	57	11	4.6	3.3
12	4.7	e2.6	e3.3	e3.8	e3.7	e4.0	9.6	91	52	11	4.6	3.1
13	4.5	e2.4	e3.1	e3.8	e3.7	e3.8	11	63	48	10	4.4	2.9
14	4.4	e2.6	e3.1	e3.6	e3.7	e3.8	11	57	42	10	4.2	2.8
15	4.4	e2.6	e3.3	e3.3	e3.7	e3.8	11	61	40	12	4.9	2.7
16	4.3	e2.6	e3.5	e3.3	e3.5	e3.5	9.0	77	37	14	5.4	2.6
17	4.7	e2.8	e3.7	e3.3	e3.5	e3.6	10	77	34	15	5.9	2.6
18	4.9	e2.6	e3.7	e3.5	e3.7	e3.5	13	61	32	11	6.2	2.8
19	4.6	e2.3	e3.7	e4.0	e3.3	e3.3	11	54	36	9.5	6.2	2.6
20	4.7	e2.5	e3.8	e3.6	e3.2	e3.5	11	53	39	8.6	5.5	2.6
21	4.6	e2.7	e3.8	e3.3	e3.5	e3.5	12	53	31	8.1	5.3	4.9
22	4.4	e2.7	e3.8	e3.1	e3.4	e3.7	12	73	28	7.6	4.9	5.1
23	4.4	e2.5	e3.8	e3.0	e3.4	e3.9	12	123	26	7.2	4.4	3.8
24	4.3	e2.4	e3.7	e3.0	e3.5	e4.1	10	164	25	7.1	4.3	3.8
25	4.3	e2.4	e3.5	e3.3	e3.4	e4.2	10	174	24	7.0	4.7	3.6
26	4.2	e2.5	e3.8	e3.3	e3.3	e4.2	13	145	26	6.7	4.4	3.4
27	4.2	e2.5	e3.7	e3.1	e3.5	e4.5	17	133	25	6.5	4.2	3.1
28	4.1	e2.6	e3.7	e2.6	e3.6	e4.8	21	147	22	6.2	4.4	2.9
29	4.2	e2.7	e3.7	e2.8	e3.6	e5.0	21	200	20	6.0	5.2	3.0
30	e3.2	e2.7	e3.5	e2.1	---	e5.0	19	212	18	5.8	4.9	3.0
31	e3.0	---	e3.5	e2.1	---	e4.7	---	194	---	5.6	4.9	---
TOTAL	142.9	78.6	106.2	100.7	97.5	121.7	308.9	2822	1814	327.9	151.6	103.9
MEAN	4.61	2.62	3.43	3.25	3.36	3.93	10.3	91.0	60.5	10.6	4.89	3.46
MAX	6.3	3.0	3.8	4.0	3.7	5.0	21	212	172	17	6.2	5.1
MIN	3.0	2.3	2.7	2.1	2.3	3.3	4.2	20	18	5.6	4.2	2.6
AC-FT	283	156	211	200	193	241	613	5600	3600	650	301	206

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3.91	3.41	2.86	2.53	2.43	3.00	7.52	55.6	91.5	22.2	7.28	4.35
MAX	10.7	10.7	9.57	8.08	9.09	14.5	22.8	130	160	69.2	21.4	12.0
(WY)	1985	1985	1985	1986	1986	1986	1985	1948	1978	1995	1984	1984
MIN	1.90	1.84	1.35	1.01	.91	1.40	2.86	15.0	21.8	6.09	2.56	2.43
(WY)	1951	1964	1970	1979	1979	1971	1973	1995	1954	1954	1954	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1948 - 2000	
ANNUAL TOTAL	6231.1		6175.9			
ANNUAL MEAN	17.1		16.9		17.2	
HIGHEST ANNUAL MEAN					30.3	1984
LOWEST ANNUAL MEAN					8.16	1954
HIGHEST DAILY MEAN	135	Jun 16	212	May 30	274	Jun 17 1995
LOWEST DAILY MEAN	2.2	Apr 20	e2.1	Jan 30	.90	Feb 22 1968
ANNUAL SEVEN-DAY MINIMUM	2.5	Nov 19	e2.5	Jan 28	.90	Feb 4 1979
INSTANTANEOUS PEAK FLOW			302	May 29	370	Jun 17 1995
INSTANTANEOUS PEAK STAGE			4.94	May 29	a5.06	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	12360		12250		12480	
10 PERCENT EXCEEDS	57		53		54	
50 PERCENT EXCEEDS	4.9		4.3		3.9	
90 PERCENT EXCEEDS	2.8		2.7		2.0	

e Estimated.
a Maximum gage height, 6.00 ft, Mar 30, 1968, backwater from ice.

09066100 BIGHORN CREEK NEAR MINTURN, CO

LOCATION.--Lat 39°38'24", long 106°17'34", in $N^{1}/_{2}$ sec.12, T.5 S., R.80 W., Eagle County, Hydrologic Unit 14010003, on left bank 0.3 mi upstream from U.S. Highway 6, 0.4 mi upstream from mouth, 4.5 mi east of Vail, and 8.5 mi northeast of Minturn.

DRAINAGE AREA.--4.54 mi^2.

PERIOD OF RECORD.--October 1963 to current year.

REVISED RECORDS.--WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 8,625 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No regulation or diversion upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	e1.5	e.78	e.82	e.70	e.84	e1.1	14	76	21	5.4	3.9
2	3.2	e1.4	e.79	e.82	e.75	e.80	e1.1	20	66	20	5.1	3.6
3	3.0	e1.4	e.78	e.76	e.80	e.86	e1.0	30	60	19	4.7	3.4
4	2.8	e1.4	e.75	e.76	e.80	e.82	e1.1	38	57	17	4.8	3.3
5	2.7	e1.5	e.71	e.76	e.80	e.86	e2.3	49	55	16	4.8	3.3
6	2.7	e1.4	e.70	e.74	e.80	e.86	e2.9	53	56	15	4.5	3.6
7	3.2	e1.4	e.72	e.74	e.80	e.90	3.1	46	59	15	4.2	3.7
8	3.3	e1.3	e.71	e.82	e.80	e.86	3.4	37	55	14	3.9	3.7
9	3.5	e1.3	e.69	e.82	e.80	e.84	4.5	26	47	16	3.8	4.0
10	3.4	e1.2	e.71	e.82	e.86	e.88	5.6	26	43	15	3.8	3.6
11	3.2	e1.1	e.73	e.86	e.90	e.88	5.1	37	42	15	4.4	3.3
12	3.0	e1.1	e.72	e.90	e.90	e.92	5.3	35	40	13	4.7	3.1
13	2.9	e1.0	e.69	e.90	e.90	e.88	6.9	24	33	12	4.1	3.0
14	2.8	e.96	e.69	e.86	e.90	e.88	7.8	20	28	12	3.9	2.7
15	2.7	e.92	e.71	e.86	e.90	e.88	7.6	19	33	12	4.5	2.6
16	2.5	e.86	e.71	e.86	e.90	e.88	6.1	23	33	11	5.1	2.5
17	2.2	e.94	e.72	e.86	e.90	e.92	6.4	26	28	12	4.8	2.4
18	2.2	e.90	e.72	e.86	e.90	e.90	8.0	19	27	12	6.4	2.6
19	2.3	e.88	e.75	e.92	e.88	e.88	7.1	17	31	11	6.6	2.4
20	2.4	e.92	e.76	e.88	e.74	e.90	6.2	18	36	9.6	6.0	2.3
21	2.3	e.84	e.80	e.86	e.80	e.90	6.6	20	29	8.6	5.8	3.4
22	2.3	e.81	e.77	e.86	e.80	e.92	7.0	27	28	8.1	5.4	4.8
23	2.2	e.76	e.77	e.82	e.80	e1.0	6.5	58	26	7.7	5.0	4.5
24	2.1	e.72	e.78	e.82	e.80	e1.0	5.6	87	23	7.2	4.7	4.1
25	2.0	e.74	e.79	e.86	e.76	e1.0	5.2	74	23	7.1	4.9	4.2
26	2.0	e.75	e.82	e.86	e.76	e1.0	6.0	51	24	6.7	4.7	4.0
27	2.0	e.77	e.80	e.86	e.84	e1.1	9.6	42	26	6.3	4.5	3.7
28	1.9	e.76	e.80	e.74	e.84	e1.4	16	64	22	6.2	4.5	3.5
29	e1.8	e.76	e.80	e.80	e.84	e1.4	18	103	21	6.0	5.0	3.5
30	e1.7	e.76	e.80	e.72	---	e1.3	15	107	21	5.7	4.5	3.5
31	e1.6	---	e.80	e.66	---	e1.2	---	93	---	5.4	4.2	---
TOTAL	79.4	31.05	23.27	25.48	23.97	29.66	188.1	1303	1148	362.6	148.7	102.2
MEAN	2.56	1.03	.75	.82	.83	.96	6.27	42.0	38.3	11.7	4.80	3.41
MAX	3.5	1.5	.82	.92	.90	1.4	18	107	76	21	6.6	4.8
MIN	1.6	.72	.69	.66	.70	.80	1.0	14	21	5.4	3.8	2.3
AC-FT	157	62	46	51	48	59	373	2580	2280	719	295	203

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2.79	1.70	1.04	.85	.83	1.02	3.89	24.4	49.3	22.6	7.49	3.65
MAX	8.03	4.65	2.53	2.04	2.54	2.97	10.0	52.5	85.2	61.2	22.6	9.94
(WY)	1986	1985	1985	1986	1986	1986	1985	1984	1978	1983	1984	1984
MIN	1.01	.84	.63	.45	.30	.32	.86	8.09	17.7	5.61	3.27	1.12
(WY)	1964	1980	1977	1967	1964	1981	1964	1995	1966	1977	1994	1975

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	3254.84		3465.43			
ANNUAL MEAN	8.92		9.47		9.98	
HIGHEST ANNUAL MEAN					18.6	1984
LOWEST ANNUAL MEAN					5.15	1966
HIGHEST DAILY MEAN	74	Jun 23	107	May 30	170	Jun 26 1983
LOWEST DAILY MEAN	e.69	Dec 9	e.66	Jan 31	a.10	Feb 8 1967
ANNUAL SEVEN-DAY MINIMUM	e.71	Dec 8	e.71	Dec 8	.20	Mar 4 1981
INSTANTANEOUS PEAK FLOW			153	May 29	b338	Jun 8 1985
INSTANTANEOUS PEAK STAGE			3.91	May 29	c4.10	Jun 8 1985
ANNUAL RUNOFF (AC-FT)	6460		6870		7230	
10 PERCENT EXCEEDS	33		28		33	
50 PERCENT EXCEEDS	2.4		2.8		2.4	
90 PERCENT EXCEEDS	.80		.76		.70	

e Estimated.
a Also occurred Jan 30, 1970.
b From rating curve extended above 82 ft^3/s.
c Maximum gage height, 4.26 ft, Jun 8, 1985, backwater from debris.

09066150 PITKIN CREEK NEAR MINTURN, CO

LOCATION.--Lat 39°38'37", long 106°18'07", in $SW^1/_4SW^1/_4$ sec.1, T.5 S., R.80 W., Eagle County, Hydrologic Unit 14010003, on left bank, 100 ft downstream from Pitkin ditch headgate (revised), 1,000 ft upstream from U.S. Highway 6, 1,200 ft upstream from mouth, 4.0 mi east of Vail, and 8 mi northeast of Minturn.

DRAINAGE AREA.--5.32 mi^2.

PERIOD OF RECORD.--Annual maximum and occasional low-flow measurements water years 1965-66. October 1966 to current year.

REVISED RECORDS.--WRD Colo. 1971: 1967-70. WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 8,525 ft above sea level, from topographic map. Oct. 1, 1964, to Sept. 30, 1966, crest-stage gage at datum 0.98 ft lower, at site 300 ft downstream.

REMARKS.--Records good except for estimated daily discharges, which are poor. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	2.7	e2.1	e1.9	e1.2	e1.3	e1.8	16	103	22	5.7	6.1
2	4.3	2.6	e2.3	e1.9	e1.2	e1.4	e1.8	21	85	21	5.6	5.7
3	4.0	2.4	e2.3	e1.7	e1.2	e1.3	e1.7	32	84	20	5.4	5.2
4	3.8	2.3	e2.2	e1.5	e1.2	e1.4	e1.9	43	80	19	5.5	4.9
5	3.6	2.3	e1.8	e1.5	e1.2	e1.5	e2.1	55	69	17	5.5	4.8
6	3.6	2.2	e2.1	e1.3	e1.3	e1.5	e2.7	60	72	17	5.4	5.3
7	4.4	2.2	e2.2	e1.3	e1.2	e1.6	e2.6	57	78	15	5.1	5.4
8	4.8	2.2	e2.2	e1.4	e1.2	e1.5	e2.9	45	72	15	4.9	5.7
9	5.0	2.2	e2.1	e1.4	e1.2	e1.4	3.9	28	61	16	4.6	6.4
10	4.7	2.0	e2.2	e1.4	e1.3	e1.5	5.3	34	50	15	4.7	5.6
11	4.3	2.0	e2.2	e1.5	e1.4	e1.5	5.1	50	46	14	5.1	5.1
12	4.0	2.0	e2.2	e1.6	e1.4	e1.6	5.3	42	42	13	5.1	4.8
13	3.8	1.9	e2.1	e1.6	e1.4	e1.5	6.5	26	34	12	4.9	4.6
14	3.6	1.9	e2.1	e1.5	e1.4	e1.5	6.8	22	29	12	4.7	4.5
15	3.4	1.9	e2.2	e1.4	e1.4	e1.5	7.1	22	35	11	4.7	4.3
16	3.1	1.9	e2.2	e1.4	e1.4	e1.4	6.5	27	35	11	4.7	4.0
17	2.9	1.9	e2.3	e1.4	e1.4	e1.4	6.3	29	30	12	5.0	4.0
18	3.1	1.8	e2.3	e1.4	e1.4	e1.4	7.3	21	28	12	6.6	4.3
19	3.1	1.8	e2.4	e1.7	e1.3	e1.3	6.8	19	37	11	7.3	4.2
20	3.2	e2.0	e2.4	e1.5	e1.1	e1.4	6.7	20	43	9.5	6.6	3.9
21	3.1	e2.0	e2.5	e1.3	e1.3	e1.4	7.2	22	32	8.6	6.3	5.4
22	3.0	e2.0	e2.3	e1.3	e1.3	e1.5	7.5	36	30	7.9	6.1	7.6
23	2.9	e2.0	e2.3	e1.2	e1.3	e1.6	7.6	62	28	7.5	5.8	6.4
24	2.8	e1.7	e2.1	e1.2	e1.3	e1.7	6.7	80	26	7.3	5.5	6.3
25	2.7	e1.8	e1.9	e1.3	e1.2	e1.7	6.1	84	26	7.1	5.8	6.3
26	2.7	e2.0	e2.0	e1.3	e1.2	e1.7	6.6	61	29	6.8	5.5	6.2
27	2.6	e2.0	e1.9	e1.3	e1.4	e1.8	9.3	48	27	6.5	5.3	5.4
28	2.6	e2.1	e1.9	e1.3	e1.4	e2.2	14	66	24	6.4	5.0	4.9
29	2.7	e2.1	e1.9	e1.2	e1.4	e2.2	15	128	24	6.2	6.8	5.0
30	2.6	e2.1	e1.9	e1.2	---	e2.2	15	132	23	6.1	6.4	5.0
31	2.8	---	e1.8	e1.2	---	e2.0	---	136	---	6.0	6.4	---
TOTAL	107.6	62.0	66.4	44.1	37.6	48.9	186.1	1524	1382	370.9	172.0	157.3
MEAN	3.47	2.07	2.14	1.42	1.30	1.58	6.20	49.2	46.1	12.0	5.55	5.24
MAX	5.0	2.7	2.5	1.9	1.4	2.2	15	136	103	22	7.3	7.6
MIN	2.6	1.7	1.8	1.2	1.1	1.3	1.7	16	23	6.0	4.6	3.9
AC-FT	213	123	132	87	75	97	369	3020	2740	736	341	312

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.10	2.54	1.78	1.44	1.35	1.50	4.08	24.6	54.0	30.1	9.71	5.13
MAX	9.43	3.84	3.28	3.84	3.94	3.85	6.98	49.2	101	94.5	31.1	11.2
(WY)	1985	1982	1986	1986	1986	1985	1992	2000	1978	1984	1983	1984
MIN	1.49	1.26	.94	.58	.70	.87	1.44	8.48	23.2	7.73	4.15	2.78
(WY)	1967	1980	1967	1967	1981	1981	1973	1995	1989	1994	1969	1988

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1967 - 2000	
ANNUAL TOTAL	3878.3		4158.9			
ANNUAL MEAN	10.6		11.4		11.7	
HIGHEST ANNUAL MEAN					22.7	1984
LOWEST ANNUAL MEAN					6.77	1989
HIGHEST DAILY MEAN	65	Jun 24	136	May 31	186	Jun 14 1978
LOWEST DAILY MEAN	e1.3	Feb 20	e1.1	Feb 20	.24	Oct 29 1972
ANNUAL SEVEN-DAY MINIMUM	e1.3	Feb 17	e1.2	Jan 29	.26	Oct 26 1972
INSTANTANEOUS PEAK FLOW			256	May 29	265	Jun 8 1985
INSTANTANEOUS PEAK STAGE			2.94	May 29	a2.85	Jun 8 1985
ANNUAL RUNOFF (AC-FT)	7690		8250		8490	
10 PERCENT EXCEEDS	42		32		38	
50 PERCENT EXCEEDS	3.2		3.9		3.3	
90 PERCENT EXCEEDS	1.6		1.4		1.1	

e Estimated.
a Maximum gage height, 3.75 ft, Jul 13, 1995, backwater from debris.

09066200 BOOTH CREEK NEAR MINTURN, CO

LOCATION.--Lat 39°38'54", long 106°19'21", in NE$^1/_4$SE$^1/_4$ of sec.3, T.5 S., R.80 W., Eagle County, Hydrologic Unit 14010003, on right bank (revised), downstream side of old Highway 6 bridge pier, 100 ft upstream from frontage road to I-70, 0.2 mi upstream from mouth, 3.0 mi northeast of Vail, and 7.0 mi northeast of Minturn.

DRAINAGE AREA.--6.02 mi^2.

PERIOD OF RECORD.--October 1964 to current year.

REVISED RECORDS.--WDR CO-89-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,325 ft above sea level, from topographic map. Prior to June 4, 1984, gage at site 1,000 ft upstream at different datum (gage destroyed by rock slide).

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion or regulation upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	1.1	e.56	e.88	e.74	e.90	e1.2	19	e120	15	1.8	3.2
2	2.5	1.0	e.60	e.88	e.80	e.86	e1.2	e30	e104	14	1.7	2.6
3	2.3	.91	e.60	e.84	e.84	e.92	e1.1	40	e94	13	1.6	2.1
4	2.2	.83	e.56	e.82	e.86	e.88	e1.3	45	e88	11	1.6	1.9
5	2.1	.77	e.50	e.82	e.86	e.94	e2.9	51	e85	10	1.7	1.8
6	2.2	.75	e.58	e.80	e.88	e.94	e3.4	50	e80	9.1	1.6	2.0
7	3.0	.72	e.62	e.80	e.86	e.98	e2.8	47	e76	8.4	1.4	2.0
8	3.3	.71	e.62	e.88	e.86	e.94	3.2	43	e72	7.9	1.4	2.5
9	3.6	.69	e.60	e.88	e.86	e.90	4.7	34	e66	9.2	1.2	3.2
10	3.1	.63	e.62	e.88	e.90	e.96	6.1	35	e60	8.4	1.2	2.3
11	2.7	.63	e.62	e.92	e.96	e.96	5.5	45	57	7.0	1.4	1.9
12	2.5	.61	e.62	e.96	e.96	e1.0	5.5	41	55	6.4	2.1	1.7
13	2.2	.60	e.60	e.96	e.96	e.96	7.3	31	43	5.9	1.6	1.5
14	2.1	.58	e.60	e.92	e.96	e.96	8.0	27	38	5.7	1.3	1.4
15	2.0	.57	e.64	e.92	e.96	e.96	8.0	27	44	5.4	1.3	1.3
16	1.9	.56	e.64	e.92	e.96	e.96	6.9	34	41	5.2	1.3	1.3
17	1.7	.57	e.68	e.92	e.96	e1.0	7.2	37	33	6.1	1.7	1.2
18	1.6	.55	e.68	e.92	e.96	e.96	9.1	29	30	5.6	2.9	1.3
19	1.6	e.53	e.72	e1.0	e.94	e.94	8.2	26	39	4.6	3.5	1.1
20	1.6	e.61	e.72	e.96	e.80	e.96	7.6	27	48	4.1	2.6	1.1
21	1.5	e.57	e.78	e.92	e.86	e.96	8.3	29	34	3.7	2.4	2.3
22	1.4	e.47	e.76	e.92	e.86	e1.0	9.0	40	30	3.3	2.1	4.7
23	1.3	e.50	e.76	e.88	e.86	e1.1	8.6	52	25	3.2	1.9	3.4
24	1.2	e.47	e.76	e.88	e.86	e1.1	7.8	59	22	3.0	1.6	3.4
25	1.1	e.50	e.84	e.92	e.82	e1.1	7.2	58	21	2.9	1.6	3.7
26	1.1	e.54	e.88	e.92	e.82	e1.1	8.3	52	29	2.8	1.6	3.7
27	1.1	e.54	e.86	e.92	e.90	e1.2	12	50	26	2.6	1.6	3.0
28	1.0	e.56	e.86	e.80	e.90	e1.5	17	63	20	2.4	1.6	2.7
29	1.1	e.56	e.86	e.86	e.90	e1.5	19	e95	19	2.2	3.8	2.7
30	1.1	e.56	e.86	e.76	---	e1.4	21	e138	17	2.1	3.5	2.5
31	1.1	---	e.84	e.70	---	e1.3	---	e130	---	1.9	3.7	---
TOTAL	59.8	19.19	21.44	27.36	25.66	32.14	219.4	1484	1516	192.1	60.3	69.5
MEAN	1.93	.64	.69	.88	.88	1.04	7.31	47.9	50.5	6.20	1.95	2.32
MAX	3.6	1.1	.88	1.0	.96	1.5	21	138	120	15	3.8	4.7
MIN	1.0	.47	.50	.70	.74	.86	1.1	19	17	1.9	1.2	1.1
AC-FT	119	38	43	54	51	64	435	2940	3010	381	120	138

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2.89	1.98	1.24	1.00	.95	1.36	5.48	31.7	64.4	25.1	5.81	2.99
MAX	8.30	7.17	3.54	2.48	2.97	5.72	14.2	57.8	123	70.4	14.4	7.29
(WY)	1985	1985	1985	1985	1985	1986	1986	1974	1982	1983	1984	1984
MIN	.88	.64	.67	.37	.39	.41	1.39	10.0	23.5	3.65	1.45	.97
(WY)	1975	2000	1975	1977	1981	1981	1973	1995	1966	1994	1994	1974

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1965 - 2000	
ANNUAL TOTAL	4257.75		3726.89			
ANNUAL MEAN	11.7		10.2		12.1	
HIGHEST ANNUAL MEAN					19.0	1982
LOWEST ANNUAL MEAN					6.66	1977
HIGHEST DAILY MEAN	82	Jun 25	138	May 30	218	Jun 15 1978
LOWEST DAILY MEAN	e.47	Nov 22	e.47	Nov 22	a.20	Feb 8 1967
ANNUAL SEVEN-DAY MINIMUM	e.51	Nov 22	e.51	Nov 22	.33	Feb 7 1967
INSTANTANEOUS PEAK FLOW			b		355	Jun 15 1978
INSTANTANEOUS PEAK STAGE			3.91	May 29	c,d4.07	Jun 15 1978
ANNUAL RUNOFF (AC-FT)	8450		7390		8760	
10 PERCENT EXCEEDS	52		37		41	
50 PERCENT EXCEEDS	2.5		1.5		2.3	
90 PERCENT EXCEEDS	.64		.64		.75	

e Estimated.
a Also occurred Jan 29, 1970, and Feb 10-11, 1981.
b Maximum discharge not determined.
c Maximum gage height, 4.62 ft, Jun 18, 1963, backwater from debris.
d Site and datum then in use.

09066300 MIDDLE CREEK NEAR MINTURN, CO

LOCATION.--Lat 39°38'45", long 106°22'54", in sec.6, T.5 S., R.80 W., Eagle County, Hydrologic Unit 14010003, on right bank 200 ft upstream from Interstate Highway 70, 0.2 mi upstream from mouth, and 5.0 mi northeast of Minturn.

DRAINAGE AREA.--5.94 mi^2.

PERIOD OF RECORD.--October 1964 to current year.

REVISED RECORDS.--WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 8,200 ft above sea level, from topographic map. Prior to Oct. 1, 1977 at site 700 ft upstream, at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversion or regulation upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	e.69	e.37	e.50	e.37	e.32	e.33	e7.0	59	8.7	1.5	1.4
2	1.2	e.66	e.39	e.50	e.40	e.28	e.33	e11	55	8.0	1.5	1.2
3	1.2	.60	e.39	e.48	e.42	e.29	e.31	e14	51	7.4	1.4	.99
4	1.1	e.45	e.37	e.45	e.43	e.26	e.37	e17	47	6.8	1.5	.90
5	1.1	.58	e.34	e.45	e.43	e.27	e.45	e19	46	6.3	1.4	.87
6	1.1	e.43	e.39	e.44	e.44	e.27	e.54	e19	46	6.0	1.4	1.2
7	1.6	e.44	e.40	e.44	e.43	e.29	e.68	e16	47	5.6	1.2	1.1
8	1.6	.52	e.40	e.48	e.43	e.27	e1.0	e14	45	5.4	1.2	1.3
9	1.5	.48	e.39	e.48	e.43	e.25	e1.5	e11	40	5.9	1.1	1.7
10	1.3	e.39	e.40	e.48	e.45	e.27	e1.7	e12	35	5.4	1.1	1.0
11	1.1	e.40	e.40	e.50	e.45	e.27	e1.6	e18	30	4.9	1.3	.85
12	1.0	e.39	e.40	e.52	e.45	e.29	e1.6	19	27	4.5	1.2	.74
13	.97	e.38	e.39	e.52	e.45	e.27	e2.1	15	25	4.3	1.3	.69
14	.88	e.38	e.39	e.50	e.45	e.27	e2.3	14	22	4.0	1.1	.66
15	.81	e.37	e.41	e.50	e.45	e.27	e2.3	14	22	3.9	1.2	.63
16	.74	e.36	e.41	e.50	e.45	e.27	e2.0	16	21	4.1	1.2	.58
17	e.84	.34	e.43	e.50	e.45	e.28	e2.2	18	19	4.4	1.5	.56
18	.93	e.38	e.43	e.50	e.45	e.27	e2.6	15	17	3.9	2.5	.63
19	.86	e.37	e.45	e.54	e.41	e.26	e2.3	13	19	3.3	2.5	.63
20	.84	e.42	e.45	e.47	e.37	e.27	e2.2	13	20	3.0	1.8	.58
21	.81	e.40	e.47	e.45	e.38	e.27	e2.3	13	17	2.8	1.6	1.2
22	.79	e.34	e.46	e.45	e.38	e.29	e2.5	17	15	2.6	1.5	2.4
23	.77	e.33	e.46	e.43	e.38	e.31	e2.4	27	13	2.4	1.4	1.2
24	.75	e.31	e.46	e.43	e.38	e.31	e2.2	35	12	2.3	1.3	1.1
25	.73	e.34	e.50	e.46	e.30	e.31	e2.1	37	11	2.2	1.2	1.1
26	.72	e.36	e.52	e.46	e.30	e.31	e2.8	37	14	2.0	1.2	1.2
27	.65	e.36	e.50	e.46	e.32	e.33	e4.3	37	13	2.0	1.2	.92
28	.61	e.37	e.50	e.40	e.32	e.40	e5.4	44	11	1.8	1.3	.81
29	.63	e.37	e.50	e.42	e.32	e.40	e6.0	65	10	1.7	2.8	.83
30	.66	e.37	e.50	e.37	---	e.37	e5.8	80	9.3	1.6	1.7	.92
31	e.72	---	e.48	e.35	---	e.35	---	76	---	1.5	1.7	---
TOTAL	29.81	12.58	13.35	14.43	11.69	9.14	64.21	763.0	818.3	128.7	45.8	29.89
MEAN	.96	.42	.43	.47	.40	.29	2.14	24.6	27.3	4.15	1.48	1.00
MAX	1.6	.69	.52	.54	.45	.40	6.0	80	59	8.7	2.8	2.4
MIN	.61	.31	.34	.35	.30	.25	.31	7.0	9.3	1.5	1.1	.56
AC-FT	59	25	26	29	23	18	127	1510	1620	255	91	59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1.21	.81	.49	.40	.37	.41	1.33	12.1	35.1	13.1	3.22	1.66
MAX	3.90	3.10	1.75	2.45	2.34	2.16	6.53	25.5	53.1	39.5	14.0	7.18
(WY)	1985	1983	1986	1986	1986	1985	1985	1984	1984	1995	1983	1979
MIN	.36	.030	.000	.000	.000	.000	.26	3.41	14.3	2.30	.86	.36
(WY)	1965	1965	1965	1965	1965	1965	1976	1995	1966	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1965 - 2000	
ANNUAL TOTAL	1816.50		1940.90			
ANNUAL MEAN	4.98		5.30		5.85	
HIGHEST ANNUAL MEAN					11.3	1984
LOWEST ANNUAL MEAN					2.52	1977
HIGHEST DAILY MEAN	57	Jun 22	80	May 30	93	Jun 22 1983
LOWEST DAILY MEAN	e.12	Feb 23	e.25	Mar 9	a.00	Nov 10 1964
ANNUAL SEVEN-DAY MINIMUM	e.13	Feb 19	e.27	Mar 4	.00	Nov 10 1964
INSTANTANEOUS PEAK FLOW			104	May 30	116	Jun 20 1974
INSTANTANEOUS PEAK STAGE			2.75	May 30	b,c2.65	Jun 20 1974
ANNUAL RUNOFF (AC-FT)	3600		3850		4240	
10 PERCENT EXCEEDS	16		17		20	
50 PERCENT EXCEEDS	.81		.83		.94	
90 PERCENT EXCEEDS	.17		.33		.20	

e Estimated.
a No flow at times most years.
b Maximum gage height, 3.28 ft, Jun 25, 1983, backwater from debris.
c Site and datum then in use.

09066325 GORE CREEK ABOVE RED SANDSTONE CREEK AT VAIL, CO

LOCATION.--Lat 39°38'28", long 106°23'39", in $NW^1/_4NW^1/_4$ sec.7, T.5 S., R.80 W., Eagle County, Hydrologic Unit 14010003, on left bank 200 ft downstream of the water treatment plant at Vail, 0.1 mi upstream from Red Sandstone Creek, and 0.6 mi downstream from Middle Creek.

DRAINAGE AREA.--77.1 mi^2.

PERIOD OF RECORD.--October 1999 to September 2000.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,055 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No regulation or diversion upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e34	e14	18	20	13	19	25	155	1050	188	37	44
2	e33	e11	21	21	e15	20	25	207	959	178	36	40
3	e31	e11	21	19	e17	20	24	299	900	165	36	37
4	e29	e14	20	29	e18	21	26	388	850	150	34	33
5	e29	e16	15	24	e18	22	36	490	815	137	35	33
6	e31	e18	18	17	e19	22	44	543	804	129	34	37
7	37	18	19	18	e18	23	40	525	789	123	32	38
8	38	e17	20	19	e18	21	41	487	739	117	30	39
9	38	e17	18	19	18	21	52	360	654	137	29	46
10	36	e16	20	20	20	22	62	372	568	125	30	37
11	33	e18	20	21	21	22	57	504	512	117	34	33
12	31	e17	19	22	21	23	59	482	477	104	35	30
13	30	e16	18	22	21	22	74	347	413	96	33	28
14	29	14	18	20	21	22	79	303	351	94	30	27
15	28	e17	19	19	21	22	80	308	383	92	30	26
16	27	17	20	19	20	20	69	373	373	98	36	25
17	23	21	21	19	20	21	71	415	316	112	39	24
18	29	20	21	20	21	20	91	322	283	100	53	25
19	27	13	21	23	19	19	83	283	340	85	54	25
20	26	19	22	21	18	20	73	286	400	78	47	23
21	26	21	22	19	20	20	81	292	302	68	45	35
22	25	20	22	18	19	21	87	385	277	63	44	60
23	24	19	22	17	19	22	93	680	255	60	38	48
24	23	14	21	17	20	23	87	931	229	57	36	45
25	23	20	20	19	19	24	79	923	230	54	44	42
26	22	23	22	19	19	24	87	764	257	51	41	43
27	22	22	21	18	20	25	117	649	263	49	40	40
28	22	20	21	15	21	29	156	788	223	47	40	37
29	e21	18	21	16	e20	29	172	1170	208	45	52	37
30	e20	18	20	12	---	29	167	1250	198	42	47	36
31	e19	---	20	12	---	27	---	1180	---	40	48	---
TOTAL	866	519	621	594	554	695	2237	16461	14418	3001	1199	1073
MEAN	27.9	17.3	20.0	19.2	19.1	22.4	74.6	531	481	96.8	38.7	35.8
MAX	38	23	22	29	21	29	172	1250	1050	188	54	60
MIN	19	11	15	12	13	19	24	155	198	40	29	23
AC-FT	1720	1030	1230	1180	1100	1380	4440	32650	28600	5950	2380	2130

SUMMARY STATISTICS	FOR 2000 WATER YEAR	
ANNUAL TOTAL	42238	
ANNUAL MEAN	115	
HIGHEST DAILY MEAN	1250	May 30
LOWEST DAILY MEAN	e11	Nov 2
ANNUAL SEVEN-DAY MINIMUM	14	Jan 28
INSTANTANEOUS PEAK FLOW	a1630	May 29
INSTANTANEOUS PEAK STAGE	9.30	May 29
ANNUAL RUNOFF (AC-FT)	83780	
10 PERCENT EXCEEDS	364	
50 PERCENT EXCEEDS	29	
90 PERCENT EXCEEDS	18	

e Estimated.
a From rating curve extended above 700 ft^3/s.

09066400 RED SANDSTONE CREEK NEAR MINTURN, CO

LOCATION.--Lat 39°40'58", long 106°24'03", in sec.25, T.4 S., R.81 W., (projected), Eagle County, Hydrologic Unit 14010003, on left bank 150 ft upstream from road culvert, 1,400 ft upstream from Indian Creek, and 6.8 mi north of Minturn.

DRAINAGE AREA.--7.32 mi^2.

PERIOD OF RECORD.--October 1963 to current year.

REVISED RECORDS.--WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 9,212 ft above sea level, from topographic map.

REMARKS.-- Records good except for estimated daily discharges, which are poor. No regulation or diversion upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	e1.7	e1.3	e1.1	e1.3	e1.5	e2.0	14	97	9.4	2.2	1.9
2	2.4	e1.7	e1.3	e1.1	e1.4	e1.5	e1.9	19	82	8.3	2.2	1.8
3	2.2	e1.7	e1.3	e1.1	e1.4	e1.5	e1.9	27	73	7.6	2.2	1.6
4	2.1	e1.7	e1.2	e1.1	e1.4	e1.5	e2.0	35	69	6.8	2.3	1.6
5	2.1	e1.7	e1.2	e1.0	e1.4	e1.5	e2.3	45	65	6.2	2.2	1.5
6	2.2	e1.7	e1.2	e.90	e1.4	e1.6	e2.8	53	59	5.7	2.3	1.7
7	3.2	e1.6	e1.2	e1.1	e1.4	e1.5	e3.3	54	57	5.5	2.1	1.7
8	3.8	e1.6	e1.1	e1.2	e1.4	e1.5	e3.2	46	53	5.3	2.0	1.8
9	3.3	e1.5	e1.1	e1.3	e1.4	e1.5	e3.0	35	47	6.1	2.0	2.1
10	2.8	e1.5	e1.1	e1.2	e1.4	e1.5	e3.3	43	39	5.3	2.0	1.6
11	2.4	e1.5	e1.1	e1.2	e1.4	e1.4	e3.8	56	35	4.7	2.0	1.5
12	2.3	e1.5	e1.0	e1.1	e1.4	e1.5	e4.4	48	32	4.3	1.9	1.4
13	2.0	e1.6	e1.1	e1.1	e1.4	e1.5	e4.4	36	28	4.1	1.9	1.4
14	2.0	e1.5	e1.0	e1.1	e1.4	e1.4	e4.8	32	26	3.9	1.9	1.4
15	1.7	e1.5	e.90	e1.2	e1.3	e1.4	e5.7	33	26	3.7	2.1	1.3
16	1.5	e1.5	e1.0	e1.3	e1.3	e1.4	e6.4	42	23	5.1	1.9	1.3
17	1.8	e1.4	e1.1	e1.3	e1.4	e1.4	e6.0	42	20	6.3	2.2	1.2
18	e1.8	e1.5	e1.0	e1.4	e1.4	e1.4	e5.8	32	18	4.8	3.1	1.3
19	e1.8	e1.4	e1.0	e1.3	e1.3	e1.3	6.0	32	23	4.0	2.7	1.3
20	e1.7	e1.3	e1.0	e1.3	e1.3	e1.3	5.7	33	24	3.7	2.2	1.2
21	e1.7	e1.5	e1.0	e1.2	e1.5	e1.4	5.7	34	18	3.5	2.0	1.9
22	e1.7	e1.5	e1.1	e1.3	e1.5	e1.4	5.8	45	16	3.2	2.0	2.9
23	e1.7	e1.4	e1.1	e1.3	e1.5	e1.4	5.2	66	15	3.0	1.9	1.7
24	e1.7	e1.2	e1.1	e1.3	e1.4	e1.5	4.9	89	14	2.9	1.8	1.7
25	e1.6	e1.4	e1.1	e1.3	e1.3	e1.6	4.7	93	14	2.9	1.9	1.9
26	e1.5	e1.5	e1.1	e1.4	e1.4	e1.6	5.6	79	18	2.7	1.8	1.9
27	e1.5	e1.5	e1.1	e1.4	e1.4	e1.6	9.0	75	16	2.7	1.8	1.6
28	e1.7	e1.4	e1.1	e1.3	e1.5	e1.6	12	93	13	2.6	1.8	1.5
29	e1.8	e1.4	e1.1	e1.2	e1.5	e1.8	13	123	11	2.5	2.5	1.5
30	e1.8	e1.4	e1.0	e1.2	---	e2.0	14	127	10	2.3	2.1	1.5
31	e1.8	---	e1.0	e1.2	---	e2.0	---	117	---	2.3	2.1	---
TOTAL	64.0	45.3	34.00	37.50	40.5	47.0	158.6	1698	1041	141.4	65.1	48.7
MEAN	2.06	1.51	1.10	1.21	1.40	1.52	5.29	54.8	34.7	4.56	2.10	1.62
MAX	3.8	1.7	1.3	1.4	1.5	2.0	14	127	97	9.4	3.1	2.9
MIN	1.5	1.2	.90	.90	1.3	1.3	1.9	14	10	2.3	1.8	1.2
AC-FT	127	90	67	74	80	93	315	3370	2060	280	129	97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2.03	1.55	1.23	1.05	1.01	1.13	3.48	29.8	50.0	12.2	3.63	2.20
MAX	5.14	3.80	2.60	2.14	2.14	1.90	6.60	69.9	92.0	44.0	15.0	5.57
(WY)	1985	1985	1985	1985	1985	1985	1971	1996	1983	1983	1983	1984
MIN	.92	.57	.51	.52	.48	.46	1.47	6.85	16.3	3.22	1.59	.98
(WY)	1989	1977	1977	1987	1987	1987	1973	1995	1966	1977	1987	1987

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	2941.00		3421.10			
ANNUAL MEAN	8.06		9.35		9.12	
HIGHEST ANNUAL MEAN					14.9	1983
LOWEST ANNUAL MEAN					4.31	1977
HIGHEST DAILY MEAN	55	May 25	127	May 30	164	Jun 20 1983
LOWEST DAILY MEAN	e.90	Dec 15	e.90	Dec 15	.20	Jan 30 1970
ANNUAL SEVEN-DAY MINIMUM	1.0	Dec 14	1.0	Dec 14	.34	Jan 28 1970
INSTANTANEOUS PEAK FLOW			164	May 29	223	Jun 17 1995
INSTANTANEOUS PEAK STAGE			4.33	May 29	a4.58	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	5830		6790		6600	
10 PERCENT EXCEEDS	33		32		29	
50 PERCENT EXCEEDS	2.1		1.8		1.8	
90 PERCENT EXCEEDS	1.2		1.2		.84	

e Estimated.
a Maximum gage height, 5.18 ft, Apr 17, 1987, backwater from ice.

09066510 GORE CREEK AT MOUTH NEAR MINTURN, CO

LOCATION.--Lat 39°36'34", long 106°26'50", in $NE^1/_4NW^1/_4$ sec.22, T.5 S., R.81W., Eagle County, Hydrologic Unit 14010003, on left bank 0.1 mi upstream from the confluence with Eagle River and 2 mi northwest of Minturn.

DRAINAGE AREA.-- 102 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,730 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversion upstream from station for Vail water treatment plant.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	23	19	17	e13	21	27	200	1140	210	50	48
2	39	19	18	16	e15	23	27	251	1010	201	47	43
3	37	20	18	15	e17	23	25	339	943	189	46	39
4	35	20	18	e14	18	24	27	426	884	175	44	36
5	35	21	e16	e14	18	26	38	530	836	162	44	35
6	36	20	e21	e13	19	25	47	587	804	154	44	40
7	44	20	e22	e13	18	27	44	572	798	146	40	41
8	45	20	e22	e14	18	25	45	535	753	140	37	43
9	45	19	e20	e14	18	24	58	408	669	164	36	51
10	41	17	e20	e14	19	24	71	419	580	149	35	40
11	37	19	e21	e15	20	23	67	552	529	137	38	35
12	35	17	e20	16	19	25	68	536	494	127	38	32
13	34	16	e19	17	19	23	86	397	437	118	38	30
14	32	18	e20	16	20	24	94	351	381	115	34	29
15	31	17	e19	17	19	24	95	353	403	113	33	27
16	28	17	e20	17	19	22	80	409	393	124	39	26
17	24	20	e18	17	20	22	82	449	343	142	42	25
18	31	20	17	18	20	21	106	368	312	125	60	26
19	29	13	17	21	e18	21	97	333	363	106	63	27
20	28	18	17	24	e19	22	86	332	425	95	52	24
21	27	20	18	20	e19	21	94	332	330	87	50	36
22	27	18	17	20	e19	22	105	411	304	81	48	69
23	25	17	17	19	e19	23	112	700	286	76	42	52
24	25	e15	e16	20	21	24	103	1020	260	72	39	47
25	24	e14	e16	21	20	25	92	1010	258	71	46	42
26	22	e15	e18	21	21	26	103	820	278	67	43	45
27	22	e17	19	20	22	26	140	688	291	64	43	39
28	22	e18	20	18	23	31	189	822	246	61	46	36
29	25	19	20	e16	23	31	209	1240	230	59	59	37
30	21	19	18	e14	---	30	208	1290	219	55	52	37
31	23	---	22	e12	---	27	---	1270	---	52	54	---
TOTAL	969	546	583	523	553	755	2625	17950	15199	3637	1382	1137
MEAN	31.3	18.2	18.8	16.9	19.1	24.4	87.5	579	507	117	44.6	37.9
MAX	45	23	22	24	23	31	209	1290	1140	210	63	69
MIN	21	13	16	12	13	21	25	200	219	52	33	24
AC-FT	1920	1080	1160	1040	1100	1500	5210	35600	30150	7210	2740	2260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	41.5	28.8	23.2	20.6	19.6	30.2	73.9	462	734	221	74.9	42.7
MAX	48.5	33.3	27.0	26.6	22.3	42.4	102	678	1103	291	108	52.4
(WY)	1998	1997	1997	1997	1997	1997	1996	1996	1997	1997	1997	1997
MIN	31.3	18.2	18.8	16.9	17.4	24.4	48.1	248	419	117	44.6	32.0
(WY)	2000	2000	2000	2000	1999	2000	1998	1999	1998	2000	2000	1998

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	44058		45859			
ANNUAL MEAN	121		125		148	
HIGHEST ANNUAL MEAN					194	1996
LOWEST ANNUAL MEAN					104	1998
HIGHEST DAILY MEAN	800	Jun 23	1290	May 30	1540	Jun 4 1997
LOWEST DAILY MEAN	13	Nov 19	12	Jan 31	12	Jan 31 2000
ANNUAL SEVEN-DAY MINIMUM	15	Feb 21	14	Jan 4	14	Jan 4 2000
INSTANTANEOUS PEAK FLOW			1640	May 29	1850	Jun 4 1997
INSTANTANEOUS PEAK STAGE			9.69	May 29	9.97	Jun 4 1997
ANNUAL RUNOFF (AC-FT)	87390		90960		107200	
10 PERCENT EXCEEDS	442		399		459	
50 PERCENT EXCEEDS	39		32		40	
90 PERCENT EXCEEDS	17		17		19	

e Estimated.

09066510 GORE CREEK AT MOUTH NEAR MINTURN, CO--Continued
(Eagle River Watershed Retrospective Assessment Program)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1996 to September 1997.
WATER TEMPERATURE: October 1996 to September 1998.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry October 1996 to September 1997. Water temperature sensor and logger October 1997 to September 1998.

REMARKS.--The following remark codes may appear in the tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 464 microsiemens, Jan. 29, 1997; minimum, 83 microsiemens, June 19-20, 1997.
WATER TEMPERATURE: Maximum, 18.8°C, Aug. 23, 1998; minimum, 0.0°C on many days during winters.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV											
01...	1050	19	338	8.6	2.6	11.0	--	--	150	47.4	8.49
DEC											
01...	0835	17	388	8.2	.2	10.8	--	--	190	58.6	10.2
21...	1035	17	400	8.4	.1	12.2	--	--	170	54.7	9.29
JAN											
27...	0950	22	403	8.4	1.2	13.2	--	--	180	55.0	10.1
FEB											
25...	0915	19	436	8.7	.8	11.3	--	--	180	55.1	10.8
MAR											
15...	0945	24	426	8.7	2.9	10.9	--	--	180	56.1	9.82
APR											
11...	0815	75	279	8.3	2.9	10.0	--	--	120	37.2	6.17
MAY											
17...	0750	463	123	7.8	3.1	9.9	--	--	57	16.2	4.13
24...	0915	973	89	7.9	4.5	10.5	--	--	42	13.1	2.16
JUN											
13...	1215	437	118	8.0	7.2	9.2	--	--	53	16.5	2.78
29...	1150	225	148	8.6	9.3	9.2	--	--	67	20.7	3.61
JUL											
19...	0755	116	201	8.1	9.3	8.9	--	--	98	30.5	5.25
AUG											
16...	1030	40	290	8.7	13.4	7.9	K53	59	130	42.0	7.24
SEP											
19...	1040	29	364	8.5	9.6	9.1	--	--	160	50.5	8.54

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
NOV											
01...	6.7	.2	1.2	106	122	4	42.2	11.5	.1	5.3	188
DEC											
01...	7.8	.2	1.4	125	150	--	52.1	13.1	.1	4.6	225
21...	9.4	.3	1.6	126	149	1	53.1	14.6	.2	5.9	230
JAN											
27...	10.8	.4	1.8	112	128	4	47.0	21.1	.1	5.2	222
FEB											
25...	14.3	.5	2.0	122	132	7	52.8	31.5	.1	4.4	250
MAR											
15...	16.5	.5	2.0	118	132	5	46.8	35.8	.1	3.2	248
APR											
11...	10.4	.4	1.1	93	112	--	18.9	19.3	.1	4.7	155
MAY											
17...	1.8	.1	.5	--	56	--	7.9	2.3	<.1	5.4	66
24...	1.7	.1	.5	40	48	--	3.1	2.5	<.1	4.0	51
JUN											
13...	1.6	.1	.5	48	57	--	5.2	2.2	<.1	4.3	62
29...	2.4	.1	.6	55	59	4	9.2	3.2	<.1	4.2	77
JUL											
19...	3.8	.2	.6	72	87	--	15.5	5.7	<.1	4.0	109
AUG											
16...	6.1	.2	1.3	93	106	4	33.5	8.7	.1	4.9	162
SEP											
19...	6.8	.2	1.3	110	118	7	46.4	10.8	.1	4.6	197

09066510 GORE CREEK AT MOUTH NEAR MINTURN, CO--Continued
(Eagle River Watershed Retrospective Assessment Program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
NOV											
01...	.26	9.67	.001	.422	.004	.11	E.10	.060	.049	.042	--
DEC											
01...	.31	10.3	.002	.659	.002	.10	<.10	.102	.097	.083	--
21...	.31	10.6	.005	1.48	.007	.19	.15	.217	.202	.194	--
JAN											
27...	.30	13.0	.005	.934	.009	.16	.15	.170	.154	.141	--
FEB											
25...	.34	12.6	.005	1.37	<.002	.18	.13	.194	.176	.174	--
MAR											
15...	.34	15.8	.017	1.60	<.002	.27	.22	.245	.217	.225	1.9
APR											
11...	.21	31.4	.001	.456	.002	.35	.18	.081	.050	.043	--
MAY											
17...	.09	82.8	<.001	.084	.005	.21	E.10	.015	E.004	.001	--
24...	.07	134	<.001	.110	.004	.33	.15	.067	.010	.004	4.1
JUN											
13...	.08	72.8	.001	.077	<.002	.12	E.10	.015	E.005	<.001	2.2
29...	.10	46.5	.001	.059	.002	.11	.10	.014	.010	.008	--
JUL											
19...	.15	34.1	.001	.211	.002	.17	E.10	.038	.022	.016	--
AUG											
16...	.22	17.7	.005	.514	.013	.19	<.10	.088	.084	.071	1.4
SEP											
19...	.27	15.3	.004	.512	.021	.14	.11	.079	.074	.063	--

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)
DEC							
01...	E.1	--	E1	E20	--	<1	E2
MAR							
15...	<.1	--	2	30	--	<1	4
MAY							
24...	<.1	--	<1	20	--	<1	3
AUG							
16...	<.1	<.8	2	50	<10	<1	5

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
DEC						
01...	E2	<.2	--	<2.4	<.2	<20
MAR						
15...	3	<.2	--	<2.4	<.2	<20
MAY						
24...	3	<.2	--	E1.3	<.2	<20
AUG						
16...	E2	<.2	<1	<.7	<.2	<20

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
NOV				
01...	1347	20	343	4.5
JAN				
20...	1040	20	428	1.5
MAR				
09...	1320	27	439	3.5
APR				
07...	1130	46	347	4.5
MAY				
10...	1220	372	463	8.0
JUN				
07...	1600	759	102	10.5
AUG				
16...	1105	40	--	15.0

09066510 GORE CREEK AT MOUTH NEAR MINTURN, CO--Continued
(Eagle River Watershed Retrospective Assessment Program)

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
DEC				
01...	0835	17	2	.08
MAR				
15...	0945	24	2	.11
JUN				
13...	1215	437	14	16
JUL				
19...	0755	116	3	.85
AUG				
16...	1030	40	2	.24

09067000 BEAVER CREEK AT AVON, CO

LOCATION.--Lat 39°37'47", long 106°31'20", in $NE^1/_4SW^1/_4$ sec.12, T.5 S., R.82 W., Eagle County, Hydrologic Unit 14010003, on left bank at Avon, 550 ft upstream from U.S. Highway 6 and 24, and 700 ft upstream from mouth.

DRAINAGE AREA.--14.8 mi^2.

PERIOD OF RECORD.--January to December 1911, January 1912 to September 1914 (gage heights and discharge measurements only), May 1974 to February 1988. October 1988 to current year.

REVISED RECORDS.--WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,453 ft above sea level, from topographic map. Prior to May 1, 1974, nonrecording gage near present site, at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation upstream and downstream from station. Slight natural regulation by several small lakes in headwaters. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	4.7	e3.3	e2.9	e3.0	2.3	3.3	25	91	18	5.7	5.0
2	5.4	4.4	e3.3	e2.8	e2.7	2.3	3.4	30	80	17	5.4	4.4
3	5.3	5.3	e3.3	e2.8	e3.0	2.5	3.3	37	76	16	5.8	4.2
4	4.9	4.7	e3.2	e2.8	e3.3	2.5	3.8	41	71	15	5.5	3.9
5	4.8	4.5	e3.0	e2.8	e3.3	2.6	5.1	47	67	13	5.4	3.6
6	4.7	4.8	e3.2	e2.6	e3.3	2.5	5.8	52	65	12	5.3	4.3
7	6.8	4.6	e3.5	e2.8	e3.1	2.6	6.0	56	66	11	5.8	4.4
8	6.6	4.6	e3.5	e2.8	e3.1	2.5	6.0	65	64	11	5.2	5.2
9	6.6	4.6	e3.0	e2.8	e3.1	2.4	6.6	52	62	14	4.9	5.5
10	6.3	4.5	e3.4	e2.8	e3.1	2.5	7.2	52	56	14	5.1	4.6
11	7.3	4.4	e3.4	e2.8	e3.3	3.6	7.5	60	50	12	6.4	4.1
12	6.1	4.1	e3.3	e2.8	e3.0	2.6	8.1	59	46	11	7.0	3.8
13	6.3	4.9	e3.1	e2.8	e3.0	2.8	8.8	50	41	9.9	6.3	3.4
14	5.6	5.0	e3.1	e2.8	e3.0	2.6	10	45	37	9.1	5.3	3.1
15	5.1	4.6	e2.8	e2.8	e3.0	2.7	10	44	35	8.9	4.9	3.5
16	4.7	3.7	e3.3	e2.8	e3.0	2.8	8.0	48	34	11	5.8	3.5
17	4.6	e3.6	e3.3	e2.8	e3.0	2.7	9.5	55	30	15	6.4	3.2
18	4.8	e3.8	e3.3	e2.8	e3.0	2.5	12	49	27	13	6.9	3.7
19	4.2	e3.2	e3.3	e3.0	e2.8	3.8	11	44	32	11	8.4	3.2
20	4.4	e3.6	e3.3	e2.8	e2.5	2.5	10	45	37	11	6.8	3.4
21	4.9	e3.6	e3.1	e2.8	e2.8	2.7	12	45	27	10	5.8	5.1
22	4.5	e3.6	e3.1	e2.8	e2.8	2.6	13	53	25	9.2	5.6	6.3
23	4.3	e3.2	e3.1	e2.8	e2.8	2.7	16	74	24	8.5	5.0	5.2
24	4.2	e2.5	e3.1	e2.8	e2.8	2.9	15	94	23	8.1	4.8	5.2
25	4.4	e3.3	e3.1	e2.8	e2.7	3.2	13	101	22	7.9	4.7	4.7
26	4.5	e4.2	e3.1	e3.0	e2.5	3.2	15	86	26	7.9	4.5	4.7
27	4.4	e4.0	e2.8	e2.8	e2.7	3.6	20	66	27	7.8	5.1	4.3
28	4.1	e3.8	e2.8	e2.8	e2.8	3.8	24	73	22	7.2	4.6	4.2
29	5.3	e3.6	e2.8	e2.8	2.4	4.1	28	107	19	7.1	5.4	4.3
30	4.4	e3.3	e2.8	e2.7	---	3.7	26	110	18	6.7	5.5	4.3
31	4.7	---	e3.1	e2.7	---	3.6	---	103	---	6.3	5.6	---
TOTAL	159.8	122.7	97.8	86.9	84.9	89.4	327.4	1868	1300	339.6	174.9	128.3
MEAN	5.15	4.09	3.15	2.80	2.93	2.88	10.9	60.3	43.3	11.0	5.64	4.28
MAX	7.3	5.3	3.5	3.0	3.3	4.1	28	110	91	18	8.4	6.3
MIN	4.1	2.5	2.8	2.6	2.4	2.3	3.3	25	18	6.3	4.5	3.1
AC-FT	317	243	194	172	168	177	649	3710	2580	674	347	254

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.51	3.66	2.98	2.53	2.40	2.98	6.33	29.4	62.8	29.7	10.1	5.77
MAX	8.42	5.78	5.01	4.17	3.99	4.71	11.2	60.3	114	79.5	25.6	10.6
(WY)	1998	1997	1984	1986	1986	1997	1996	2000	1983	1983	1984	1984
MIN	2.28	2.07	1.65	1.44	1.51	1.49	2.48	11.5	22.6	4.81	2.34	1.41
(WY)	1981	1980	1995	1981	1977	1977	1975	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1974 - 2000	
ANNUAL TOTAL	4630.7		4779.7			
ANNUAL MEAN	12.7		13.1		13.6	
HIGHEST ANNUAL MEAN					22.7	1984
LOWEST ANNUAL MEAN					4.94	1977
HIGHEST DAILY MEAN	69	Jun 25	110	May 30	242	Jun 27 1983
LOWEST DAILY MEAN	e2.0	Feb 12	2.3	Mar 1	.55	Sep 10 1977
ANNUAL SEVEN-DAY MINIMUM	2.1	Feb 25	2.4	Feb 29	.75	Sep 5 1977
INSTANTANEOUS PEAK FLOW			134	May 29	249	Jun 27 1983
INSTANTANEOUS PEAK STAGE			2.95	May 29	3.46	Jun 27 1983
ANNUAL RUNOFF (AC-FT)	9180		9480		9860	
10 PERCENT EXCEEDS	43		45		41	
50 PERCENT EXCEEDS	5.3		4.6		4.5	
90 PERCENT EXCEEDS	2.5		2.8		2.1	

e Estimated.

09067005 EAGLE RIVER AT AVON, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°37'54", long 106°31'19", in $SE^1/_4NW^1/_4$ sec.12, T.5 S., R.82 W., Eagle County, Hydrologic Unit 14010003, on left bank 100 ft downstream from bridge, 300 ft north of Highway 6 and 24, and 350 ft downstream from Beaver Creek, in the city of Avon.

DRAINAGE AREA.--395 mi^2.

PERIOD OF RECORD.--October 1993 to current year.

REMARKS.--Records of discharge are given for Eagle River below Wastewater Treatment Plant at Avon (station 09067020), located 0.6 mi downstream; flows are considered to be equivalent.

Note: The following remark codes may appear in the tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV												
01...	1341	96	300	8.2	4.8	9.7	--	--	130	36.4	9.91	5.3
DEC												
01...	1045	71	329	8.2	.5	11.6	K4	K1	160	43.5	12.7	6.0
21...	1350	60	347	8.2	.9	10.8	--	--	160	42.9	11.7	6.1
JAN												
25...	1520	68	358	8.2	1.1	11.1	31	K2	160	43.6	13.1	7.2
FEB												
25...	1100	60	375	8.7	1.0	11.8	--	--	170	43.7	13.7	9.3
MAR												
13...	1515	56	372	9.0	4.8	10.1	K6	K24	170	46.3	13.6	9.6
APR												
11...	1000	220	231	8.1	3.8	10.1	--	--	110	29.9	8.77	5.4
MAY												
17...	1100	1480	120	7.7	4.3	9.7	--	--	58	18.3	2.88	2.5
25...	1300	2750	86	7.8	6.4	9.6	K17	K7	42	11.9	2.90	1.2
JUN												
13...	0745	1370	119	7.9	8.6	8.9	54	50	53	15.0	3.78	1.4
29...	1330	738	141	8.3	11.9	8.6	--	--	63	17.9	4.46	2.0
JUL												
19...	0950	381	168	8.1	11.3	8.4	--	--	74	21.2	5.17	2.5
AUG												
15...	1430	113	287	8.7	18.0	8.0	K8	K14	130	36.2	9.48	4.9
SEP												
19...	1235	96	317	8.3	12.5	8.5	--	--	140	40.1	9.79	5.5

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
NOV											
01...	.2	1.0	101	--	83	52.9	5.0	<.1	6.5	167	.23
DEC											
01...	.2	1.1	120	--	99	65.3	5.7	.1	6.0	201	.27
21...	.2	1.3	118	--	98	65.6	5.9	.1	6.8	201	.27
JAN											
25...	.2	1.3	115	--	95	63.3	8.8	.1	6.6	203	.28
FEB											
25...	.3	1.5	109	5	98	69.6	15.7	.1	6.4	221	.30
MAR											
13...	.3	1.5	96	8	94	69.6	16.0	.1	5.8	221	.30
APR											
11...	.2	1.0	83	--	69	34.0	8.1	<.1	6.3	135	.18
MAY											
17...	.1	.5	61	--	51	5.3	4.1	<.1	4.7	69	.09
25...	.1	.6	45	--	37	5.1	1.3	<.1	4.9	50	.07
JUN											
13...	.1	.5	48	--	40	8.1	1.3	<.1	4.6	58	.08
29...	.1	.6	56	--	47	13.4	2.0	<.1	4.5	73	.10
JUL											
19...	.1	.5	66	--	55	17.4	2.3	<.1	4.4	86	.12
AUG											
15...	.2	1.0	80	11	85	50.7	5.0	<.1	5.3	164	.22
SEP											
19...	.2	1.1	95	4	85	56.8	5.3	<.1	5.3	175	.24

09067005 EAGLE RIVER AT AVON, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
NOV											
01...	43.4	.003	.151	.002	.12	.15	.12	.012	E.004	.003	--
DEC											
01...	38.5	<.001	.274	<.002	--	E.10	E.10	.025	.017	.013	--
21...	32.2	.002	.480	<.002	--	.12	E.10	.044	.040	.025	--
JAN											
25...	37.2	.003	.481	.003	--	.11	E.10	.060	.046	.038	--
FEB											
25...	35.9	.003	.632	<.002	--	.12	.12	.066	.051	.046	--
MAR											
13...	33.4	.003	.516	<.002	--	.21	E.10	.077	.054	.051	1.7
APR											
11...	80.5	.001	.261	.002	.16	.30	.16	.045	.013	.008	--
MAY											
17...	275	<.001	.119	.003	.11	.20	.11	.018	.008	.005	--
25...	375	<.001	.074	.004	.13	.25	.14	.045	E.005	<.001	5.4
JUN											
13...	216	<.001	.074	<.002	--	.13	E.10	.013	<.006	<.001	2.3
29...	144	.001	.035	.008	--	.14	E.10	.009	E.004	.002	--
JUL											
19...	88.7	.001	.081	.034	.10	.18	.12	.013	E.004	.003	--
AUG											
15...	50.0	.002	.179	.005	--	.12	E.10	.023	.022	.014	1.5
SEP											
19...	45.4	.002	.176	.011	--	.12	E.10	.014	.010	.007	--

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)
DEC							
01...	E.1	--	E1	270	--	<1	134
MAR							
13...	E.1	--	2	360	--	<1	171
MAY							
25...	<.1	--	2	980	--	<1	138
AUG							
15...	<.1	<.8	2	190	90	<1	43

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
DEC						
01...	125	<.2	--	<2.4	<1	93
MAR						
13...	155	<.2	--	<2.4	<1	70
MAY						
25...	14	<.2	--	<2.4	<1	21
AUG						
15...	31	E.1	<1	<.7	<1	E18

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT									
06...	1230	123	272	8.9					

09067005 EAGLE RIVER AT AVON, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
DEC					
01...	1045	71	.5	3	.58
MAR					
13...	1515	56	4.8	6	.92
MAY					
25...	1300	2750	6.4	51	378
JUN					
13...	0745	1370	8.6	6	23
JUL					
19...	0950	381	11.3	3	2.8
AUG					
15...	1430	113	18.0	M	.12

09067020 EAGLE RIVER BELOW WASTEWATER TREATMENT PLANT AT AVON, CO

LOCATION.--Lat 39°38'06", long 106°31'57", in $NE^1/_4NE^1/_4$ sec.11, T.5 S., R.82 W., Eagle County, Hydrologic Unit 14010003, on right bank 60 ft downstream from Eagle River Wastewater Treatment Plant effluent discharge point, and 0.2 mi upstream from Beaver Creek Boulevard bridge, in the city of Avon.

DRAINAGE AREA.--402 mi^2.

PERIOD OF RECORD.--October 1999 to September 2000. October 1988 to September 1999, streamflow data were collected 0.6 mi upstream at site 09067005 Eagle River at Avon; streamflow records are considered to be equivalent.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 7,380 ft above sea level, from topographic map. Prior to October 14, 1999, streamflow data were collected 0.6 mi upstream at site 09067005 Eagle River at Avon; streamflow records are considered to be equivalent.

REMARKS.--Records good except for estimated daily discharges, which are fair. Natural flow of stream affected by transmountain diversions, storage reservoirs, diversions for irrigation and municipal use. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	106	69	67	78	67	88	702	2630	564	151	177
2	142	94	72	64	72	70	88	846	2340	527	144	161
3	134	90	67	58	75	71	86	1130	2180	493	139	144
4	126	91	56	49	74	72	87	1330	2070	463	139	128
5	124	91	47	e44	71	79	120	1610	1930	420	135	120
6	120	88	58	e41	72	78	154	1820	1860	403	133	142
7	154	88	62	52	68	81	156	1780	1850	389	125	153
8	176	89	64	66	67	80	160	1730	1780	374	117	156
9	172	89	47	64	68	75	197	1400	1700	446	112	183
10	161	80	54	65	69	75	234	1340	1510	418	110	163
11	150	80	61	68	70	72	227	1700	1400	377	128	139
12	145	81	59	65	69	79	229	1700	1310	351	127	123
13	143	75	52	58	71	71	272	1310	1180	324	134	113
14	132	76	52	57	70	73	307	1150	1030	316	121	106
15	127	78	48	70	69	75	310	1120	1230	332	113	100
16	122	74	64	69	65	71	258	1230	1310	419	135	95
17	106	82	64	66	68	72	276	1460	1140	495	173	91
18	130	89	58	63	67	73	352	1260	1010	479	197	97
19	125	55	66	68	64	66	333	1120	1190	367	219	96
20	122	69	63	64	60	73	288	1070	1600	314	202	91
21	122	77	61	66	72	67	326	1020	1110	282	189	107
22	119	69	60	66	66	68	362	1190	942	254	191	236
23	114	64	62	64	68	71	361	1820	893	235	169	209
24	111	41	53	62	68	76	349	2540	787	222	159	182
25	109	52	58	71	67	77	312	2750	789	214	196	163
26	105	86	65	70	65	81	352	2430	810	202	196	159
27	103	81	63	70	69	81	450	1990	837	193	193	145
28	101	74	57	55	71	97	636	2090	677	187	180	132
29	112	71	56	65	71	100	751	2870	614	178	204	130
30	96	69	54	53	---	98	808	3140	587	168	203	139
31	101	---	53	64	---	93	---	2970	---	160	195	---
TOTAL	3956	2349	1825	1924	2004	2382	8929	51618	40296	10566	4929	4180
MEAN	128	78.3	58.9	62.1	69.1	76.8	298	1665	1343	341	159	139
MAX	176	106	72	71	78	100	808	3140	2630	564	219	236
MIN	96	41	47	41	60	66	86	702	587	160	110	91
AC-FT	7850	4660	3620	3820	3970	4720	17710	102400	79930	20960	9780	8290

SUMMARY STATISTICS	FOR 2000 WATER YEAR	
ANNUAL TOTAL	134958	
ANNUAL MEAN	369	
HIGHEST DAILY MEAN	3140	May 30
LOWEST DAILY MEAN	41	Nov 24
ANNUAL SEVEN-DAY MINIMUM	53	Dec 9
INSTANTANEOUS PEAK FLOW	3640	May 30
INSTANTANEOUS PEAK STAGE	8.40	May 30
ANNUAL RUNOFF (AC-FT)	267700	
10 PERCENT EXCEEDS	1230	
50 PERCENT EXCEEDS	120	
90 PERCENT EXCEEDS	63	

e Estimated.

09067200 LAKE CREEK NEAR EDWARDS, CO

LOCATION.--Lat 39°38'51", long 106°36'31", in $SE^{1}/_{4}NE^{1}/_{4}$ sec.6, T.5 S., R.82 W., Eagle County, Hydrologic Unit 14010003, on right bank 30 ft upstream from U.S. Highway 6, and 1.0 mi west of Edwards.

DRAINAGE AREA.--49.0 mi^2.

PERIOD OF RECORD.--October 1993 to current year. Published as station number 09066980 during the 1994-96 water years.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,160 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions for irrigation, and return flow from irrigated areas. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	21	14	11	13	e11	16	69	552	107	22	41
2	32	20	14	11	12	e12	16	75	448	103	22	35
3	30	21	14	11	13	e12	15	99	250	101	22	32
4	28	22	13	11	14	e12	17	123	249	97	21	29
5	27	21	12	11	14	e12	21	174	245	87	20	28
6	26	21	13	10	14	e12	24	207	227	84	20	32
7	32	20	14	11	e13	e12	23	203	233	82	19	40
8	31	19	14	11	e13	14	23	192	234	79	19	38
9	29	19	12	11	e13	14	26	138	241	93	19	50
10	29	17	14	11	e13	14	29	127	210	85	18	40
11	28	18	14	11	e14	13	29	186	187	80	20	35
12	27	17	13	11	e14	14	29	176	177	76	20	32
13	26	16	12	11	e13	14	32	127	161	70	19	30
14	26	17	12	11	e13	14	35	110	135	68	18	27
15	26	17	13	11	e13	14	39	110	159	69	18	25
16	25	16	13	11	e13	13	36	123	166	80	24	23
17	24	16	13	11	e13	13	34	167	139	94	30	20
18	26	17	13	11	e13	13	36	122	127	99	35	20
19	23	14	13	12	e13	13	35	104	169	79	59	20
20	23	16	13	12	e12	14	32	111	207	71	55	19
21	23	16	12	12	e12	14	36	117	158	60	48	24
22	23	16	12	12	e12	14	44	156	137	52	46	54
23	22	14	12	12	e12	14	52	279	130	48	42	47
24	21	11	12	12	e12	14	51	365	115	44	38	43
25	20	14	12	12	e12	15	45	403	119	41	47	40
26	20	18	12	13	e11	15	45	338	125	40	39	41
27	19	17	11	12	e12	16	51	271	153	39	38	37
28	19	16	11	12	e12	17	66	284	123	35	37	34
29	23	15	11	12	e12	18	73	381	114	25	45	32
30	22	14	11	12	---	17	73	342	114	24	47	34
31	22	---	12	13	---	16	---	426	---	22	51	---
TOTAL	785	516	391	355	370	430	1083	6105	5804	2134	978	1002
MEAN	25.3	17.2	12.6	11.5	12.8	13.9	36.1	197	193	68.8	31.5	33.4
MAX	33	22	14	13	14	18	73	426	552	107	59	54
MIN	19	11	11	10	11	11	15	69	114	22	18	19
AC-FT	1560	1020	776	704	734	853	2150	12110	11510	4230	1940	1990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	30.9	22.8	14.6	12.5	11.5	13.0	23.7	129	262	139	65.0	36.6
MAX	44.8	28.4	19.0	16.0	13.3	14.9	36.1	197	418	293	125	56.0
(WY)	1998	1996	1996	1997	1998	1997	2000	2000	1997	1995	1995	1997
MIN	24.2	16.8	10.8	9.43	9.26	10.6	15.4	43.8	171	44.3	24.5	23.5
(WY)	1999	1995	1994	1995	1994	1994	1995	1995	1998	1994	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	20780.1		19953			
ANNUAL MEAN	56.9		54.5		63.5	
HIGHEST ANNUAL MEAN					87.3	1997
LOWEST ANNUAL MEAN					45.5	1994
HIGHEST DAILY MEAN	308	May 25	552	Jun 1	845	Jun 16 1995
LOWEST DAILY MEAN	e8.2	Feb 12	10	Jan 6	7.0	Feb 1 1994
ANNUAL SEVEN-DAY MINIMUM	9.4	Feb 25	11	Jan 1	8.0	Jan 29 1994
INSTANTANEOUS PEAK FLOW			726	Jun 1	1290	Jun 16 1995
INSTANTANEOUS PEAK STAGE			2.98	Jun 1	3.63	Jun 16 1995
ANNUAL RUNOFF (AC-FT)	41220		39580		46010	
10 PERCENT EXCEEDS	189		143		191	
50 PERCENT EXCEEDS	21		22		25	
90 PERCENT EXCEEDS	11		12		11	

e Estimated.

394259106405900 ALKALI CREEK BELOW MUDDY CREEK NEAR WOLCOTT, CO.

WATER-QUALITY RECORDS

LOCATION.--Lat 39°42'59", long 106°40'59", in NW1/4SW1/4 sec.10, T. 45 S, R. 83 W., Eagle County, Hydrologic Unit 14010003, 0.8 mi upstream from mouth, 1.1 mi north of Wolcott, and 1.7 mi downstream from Muddy Creek.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--March 2000.

REMARKS.--No water-quality data at this site before March 2000.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
MAR											
15...	1230	1.4	1110	8.4	2.5	10.4	540	109	64.2	56.7	1

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
MAR											
15...	3.2	351	11	310	331	11.6	.2	8.6	768	1.04	2.86

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
MAR										
15...	<.001	.010	.003	.16	.20	.17	.021	<.006	.001	3.7

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
MAR										
15...	<.1	<1	530	<1	121	119	<.2	E2.3	<1	<20

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAR					
15...	1230	1.4	2.5	31	.12

394220106431500 EAGLE RIVER BELOW MILK CREEK NEAR WOLCOTT, CO
(Eagle River Watershed Retrospective Assessment Program)

WATER-QUALITY RECORDS

LOCATION.--Lat 39°42'20", long 106°43'15", in $SW^1/_4NW^1/_4$ sec. 17, T.4S, R.83W., Eagle County, Hydrologic Unit 14010003, at U.S. Highway 6, 0.75 mi downstream from Milk Creek, and 2.3 mi west of Wolcott.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--May to August 1976, October 1999 to September 2000.

REMARKS.--The following remark codes may appear in the tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV											
02...	0915	154	667	8.3	2.4	11.8	--	--	210	59.3	13.9
29...	1605	112	960	8.2	3.1	10.5	--	--	230	66.1	16.3
DEC											
20...	1320	96	1030	8.2	.2	12.6	--	--	240	69.7	16.1
JAN											
25...	1110	116	1010	8.3	1.2	11.4	--	--	250	72.2	18.0
FEB											
24...	1230	99	1120	8.8	4.5	11.2	--	--	250	70.0	18.1
MAR											
15...	1530	104	954	8.6	4.2	11.0	--	--	250	71.5	17.9
APR											
10...	1410	265	499	8.4	10.1	9.2	--	--	160	45.0	12.0
MAY											
16...	0950	1240	214	8.1	7.7	9.4	--	--	81	23.1	5.72
24...	1416	2810	117	7.9	7.4	10.2	--	--	46	13.2	3.16
JUN											
12...	1430	1690	184	8.1	10.4	8.9	--	--	62	17.7	4.23
29...	1710	876	263	8.4	14.3	8.0	--	--	83	23.9	5.58
JUL											
19...	1520	490	405	9.0	17.9	8.8	--	--	100	29.3	6.63
AUG											
14...	1500	145	750	8.5	20.1	7.7	230	K6	190	55.3	12.1
SEP											
19...	1450	137	823	8.7	16.2	9.3	--	--	210	62.8	13.7

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
NOV											
02...	49.2	1	2.2	105	128	--	102	75.2	.1	7.3	376
29...	88.9	3	2.8	101	123	--	125	145	.1	6.5	515
DEC											
20...	105	3	3.1	119	143	--	131	165	.2	8.7	574
JAN											
25...	98.1	3	3.5	119	143	--	129	152	.2	8.0	558
FEB											
24...	114	3	4.0	115	124	7	138	176	.2	6.2	601
MAR											
15...	95.6	3	3.6	113	127	5	132	148	.1	5.4	548
APR											
10...	42.0	1	1.8	85	93	5	68.0	64.0	.1	6.2	292
MAY											
16...	10.7	.5	.8	65	78	--	19.9	15.3	<.1	5.8	120
24...	4.9	.3	.7	38	46	--	9.6	6.7	<.1	4.6	66
JUN											
12...	9.3	.5	.8	50	60	--	14.9	13.0	<.1	4.8	95
29...	17.4	.8	1.1	55	59	4	26.6	24.0	<.1	4.5	136
JUL											
19...	23.9	1	1.1	61	51	11	34.2	36.5	<.1	3.9	172
AUG											
14...	66.0	2	2.5	99	105	7	86.8	109	.1	5.2	399
SEP											
19...	76.1	2	2.8	101	100	11	107	120	.1	5.7	451

394220106431500 EAGLE RIVER BELOW MILK CREEK NEAR WOLCOTT, CO--Continued
(Eagle River Watershed Retrospective Assessment Program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
NOV											
02...	.51	156	.009	.647	.034	.22	.25	.073	.063	.054	--
29...	.70	156	.011	.834	.037	.18	.12	.102	.094	.083	--
DEC											
20...	.78	149	.015	1.08	.076	.23	.21	.155	.143	.129	--
JAN											
25...	.76	175	.017	1.39	.102	1.3	.25	.185	.167	.151	--
FEB											
24...	.82	161	.061	1.30	.177	.51	.43	.210	.196	.189	--
MAR											
15...	.75	154	.029	1.24	.255	.56	.50	.178	.187	.179	2.3
APR											
10...	.40	209	.005	.499	.021	.44	.21	.130	.052	.045	--
MAY											
16...	.16	403	.001	.138	.010	.14	.15	.009	.011	.008	--
24...	.09	503	<.001	.122	<.002	.44	.17	.102	.011	.005	4.6
JUN											
12...	.13	432	.003	.148	.003	.13	.10	.020	.009	.004	2.3
29...	.19	322	.006	.169	.010	.16	.12	.026	.018	.013	--
JUL											
19...	.23	228	.009	.150	.018	.25	.16	.036	.020	.013	--
AUG											
14...	.54	156	.010	.611	.018	.27	.19	.092	.079	.072	1.9
SEP											
19...	.61	167	.006	.689	.016	.22	.13	.073	.065	.054	--

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
NOV							
29...	<.1	--	E1	120	--	<1	40
MAR							
15...	<.1	--	E1	210	--	<1	93
MAY							
24...	<.1	--	1	1420	--	<1	198
AUG							
14...	<.1	<.8	2	110	30	<1	39

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
NOV						
29...	32	<.2	--	<2.4	<1	28
MAR						
15...	87	<.2	--	<2.4	<1	40
MAY						
24...	19	<.2	--	<2.4	<1	E17
AUG						
14...	13	E.1	<1	<.7	<1	E17

09069000 EAGLE RIVER AT GYPSUM, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°39'00", long 106°57'06", Eagle County, Hydrologic Unit 14010003, at bridge at Gypsum, about 400 ft upstream from Gypsum Creek, about 520 ft upstream from bridge on U.S. Highways 6 and 24, and about 550 ft upstream from gaging station.

DRAINAGE AREA.--944 mi^2, at gaging station.

PERIOD OF RECORD.--April 1947 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1947 to March 31, 1995.
WATER TEMPERATURE: April 1949 to March 31, 1995.

REMARKS.--Records of discharge are given for Eagle River below Gypsum (station 09070000), located 550 ft downstream from Eagle River at Gypsum (station 09069000).

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,200 microsiemens Mar. 9, 1990; minimum daily, 130 microsiemens June 9-10, 1976.
WATER TEMPERATURE: Maximum daily, 24°C Aug. 24, 1949, several days in Aug. 1988, and July 27, 1990; minimum daily, 0.0°C on many days during winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV												
02...	1110	236	767	8.4	4.5	11.1	--	--	300	89.5	17.6	43.6
DEC												
02...	0810	201	1030	8.2	2.0	10.4	K2	K1	330	98.3	20.2	76.7
20...	0920	168	1080	8.2	.6	12.0	--	--	340	101	20.2	80.8
JAN												
27...	1445	231	1010	8.5	3.1	11.3	<1	K2	330	98.7	20.6	76.6
FEB												
24...	0915	201	1130	8.4	2.9	11.2	--	--	330	95.8	20.9	89.3
MAR												
13...	1115	173	994	8.8	5.5	12.6	K1	K10	320	95.6	20.9	81.1
APR												
10...	1015	348	703	8.3	9.3	9.5	--	--	240	71.3	15.5	56.2
MAY												
16...	1345	1310	261	8.3	11.7	8.8	--	--	100	30.5	6.72	11.7
25...	0752	3370	151	7.9	6.8	11.2	83	K10	63	18.9	3.88	5.0
JUN												
12...	1030	1710	230	8.1	11.1	9.3	K8	K5	83	24.8	5.10	9.2
29...	0920	640	361	8.3	12.8	9.2	--	--	130	38.3	7.58	19.0
JUL												
19...	1230	524	--	8.5	17.4	8.9	--	--	170	51.6	9.49	23.6
AUG												
14...	0905	146	898	8.2	16.1	8.5	K53	K67	330	100	18.2	54.1
SEP												
19...	1630	177	962	8.7	18.1	9.4	--	--	330	100	18.5	60.8

09069000 EAGLE RIVER AT GYPSUM, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
NOV											
02...	1	2.3	124	147	2	177	65.9	.1	8.5	481	.65
DEC											
02...	2	2.7	136	163	--	204	121	.2	7.8	615	.84
20...	2	2.8	132	159	--	208	125	.2	9.8	631	.86
JAN											
27...	2	3.2	129	140	7	191	118	.2	8.9	598	.81
FEB											
24...	2	3.5	131	150	4	201	140	.1	6.9	639	.87
MAR											
13...	2	3.3	132	139	10	195	125	.2	6.2	610	.83
APR											
10...	2	2.3	104	123	1	122	83.2	.1	6.6	422	.57
MAY											
16...	.5	.9	72	87	--	35.8	16.0	<.1	6.2	151	.21
25...	.3	.8	43	51	--	17.8	6.4	<.1	5.1	84	.11
JUN											
12...	.4	.9	55	66	--	29.5	11.9	<.1	5.0	119	.16
29...	.7	1.2	73	88	--	56.7	24.9	<.1	5.0	197	.27
JUL											
19...	.8	1.3	76	82	5	81.1	34.0	<.1	4.3	251	.34
AUG											
14...	1	2.7	138	166	--	197	84.3	.1	7.4	548	.74
SEP											
19...	1	3.1	124	122	13	215	96.0	.1	6.9	576	.78

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
NOV											
02...	307	--	--	.406	.005	.10	E.10	.041	.031	.027	--
DEC											
02...	334	1	.006	.775	.018	.15	E.10	.076	.062	.051	--
20...	286	--	.011	.900	.041	.17	.13	.098	.092	.077	--
JAN											
27...	373	--	.025	.975	.037	.18	.18	.126	.114	.100	--
FEB											
24...	347	--	.019	.986	.016	.35	.22	.085	.094	.088	--
MAR											
13...	285	5	.018	.915	.043	.41	.24	.125	.100	.092	2.4
APR											
10...	397	--	.007	.618	.026	.60	.21	.213	.059	.050	--
MAY											
16...	534	--	.001	.130	.005	.17	.18	.009	.018	.007	--
25...	762	129	<.001	.119	<.002	.70	.15	.191	.014	.008	4.5
JUN											
12...	552	--	.003	.133	.007	.14	E.10	.019	.008	.003	2.3
29...	340	--	.005	.171	.013	.18	.11	.020	.010	.007	--
JUL											
19...	356	--	.009	.182	.008	.26	.14	.027	.014	.008	--
AUG											
14...	216	<10	.005	.432	.022	.24	.17	.061	.045	.040	1.8
SEP											
19...	275	--	.005	.471	.019	.21	.15	.045	.037	.028	--

09069000 EAGLE RIVER AT GYPSUM, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
NOV									
02...	--	--	--	--	--	--	--	--	--
DEC									
02...	<1	<2.0	<3	55	<2	<.1	<.1	E.5	<1
20...	--	--	--	--	--	--	--	--	--
FEB									
24...	--	--	--	--	--	--	--	--	--
MAR									
13...	<1	<2.0	<3	55	<2	<.1	<.1	<.8	<1
APR									
10...	--	--	--	--	--	--	--	--	--
MAY									
25...	<1	<2.0	<3	28	<2	<.1	.6	<.8	3
JUN									
12...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--
AUG									
14...	<1	<2.0	<3	63	<2	<.1	<.1	E.4	E1
SEP									
19...	--	--	--	--	--	--	--	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)
NOV								
02...	--	--	40	--	--	22	--	--
DEC								
02...	E1	<1	20	<1	<1	21	<.2	<.3
20...	--	--	20	--	--	17	--	--
FEB								
24...	--	--	E10	--	--	34	--	--
MAR								
13...	E1	E1	<10	<1	<1	38	<.2	<.3
APR								
10...	--	--	40	--	--	77	--	--
MAY								
25...	8	E1	50	14	<1	15	<.2	<.3
JUN								
12...	--	--	30	--	--	12	--	--
29...	--	--	40	--	--	16	--	--
AUG								
14...	1	1	10	E1	<1	20	E.1	<.3
SEP								
19...	--	--	20	--	--	16	--	--

DATE	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV								
02...	--	--	--	--	--	--	--	--
DEC								
02...	<1	<2	<2.4	<3	<.2	<1	E19	40
20...	--	--	--	--	--	--	--	--
FEB								
24...	--	--	--	--	--	--	--	--
MAR								
13...	<1	E2	E1.2	<3	<.2	<1	<20	42
APR								
10...	--	--	--	--	--	--	--	--
MAY								
25...	<1	4	<2.4	<3	<.2	<1	E14	152
JUN								
12...	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--
AUG								
14...	<1	<2	<2.4	<3	<.2	<1	<20	E17
SEP								
19...	--	--	--	--	--	--	--	--

09069000 EAGLE RIVER AT GYPSUM, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
DEC				
02...	0810	201	4	2.1
MAR				
13...	1115	173	4	2.0
MAY				
25...	0752	3370	244	2220
JUN				
12...	1030	1710	19	89
JUL				
19...	1230	524	5	6.9
AUG				
14...	0905	146	6	2.5

09070000 EAGLE RIVER BELOW GYPSUM, CO

LOCATION.--Lat 39°38'58", long 106°57'11", in $SW^1/_4NW^1/_4$ sec.5, T.5 S., R.85 W., Eagle County, Hydrologic Unit 14010003, on right bank 20 ft downstream from bridge on U.S. Highways 6 and 24 at Gypsum and 150 ft downstream from Gypsum Creek.

DRAINAGE AREA.--944 mi^2.

PERIOD OF RECORD.--October 1946 to current year.

REVISED RECORDS.--WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,275.11 ft, above sea level.

REMARKS.--Records good except for estimated daily discharges, which are fair. Transmountain diversions upstream from station, see elsewhere in this report. Transbasin diversions upstream from station from Robinson Reservoir (capacity, 2,520 acre-ft) to Tenmile Creek for mining development. Many small diversions for irrigation of hay meadows upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data for Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	271	246	198	181	207	167	195	870	3510	743	229	304
2	262	241	207	195	204	169	191	928	3100	718	219	280
3	252	227	208	177	207	172	189	1210	2860	675	213	254
4	243	227	189	e170	207	175	184	1470	2690	629	213	237
5	229	232	156	e150	201	179	199	1840	2570	569	215	220
6	225	232	165	e120	203	184	239	2130	2340	526	212	229
7	241	230	180	e130	196	179	260	2140	2360	506	206	254
8	303	227	e150	174	189	188	261	2120	2300	493	192	276
9	286	223	e145	202	191	183	281	1730	2240	567	192	297
10	278	214	160	194	194	180	327	1500	1950	582	181	291
11	269	209	e145	e180	205	169	336	1910	1730	527	186	261
12	252	209	e170	e170	197	179	323	2050	1620	483	205	242
13	245	214	164	e160	193	174	343	1570	1480	462	207	216
14	239	205	174	e150	194	172	385	1350	1280	438	204	205
15	228	198	133	192	193	180	430	1260	1400	442	187	191
16	230	198	184	205	186	180	375	1280	1540	530	191	182
17	231	200	205	210	185	172	355	1620	1360	614	223	179
18	226	210	175	222	186	170	414	1390	1200	702	265	180
19	245	197	183	234	178	163	447	1210	1320	527	309	183
20	243	180	184	219	166	175	391	1170	1920	454	330	177
21	259	206	194	214	181	175	390	1160	1480	402	303	185
22	250	211	177	213	181	171	444	1280	1200	361	290	300
23	247	193	182	208	175	170	487	1940	1120	334	284	340
24	242	164	181	197	178	175	495	3090	1020	309	256	310
25	236	150	181	214	176	176	428	3410	997	301	275	286
26	237	207	189	222	158	182	441	2990	1020	291	299	275
27	236	221	196	218	168	185	514	2450	1180	281	295	254
28	241	211	184	198	169	194	721	2340	971	268	284	236
29	258	204	179	182	171	214	890	3310	872	254	311	220
30	259	205	185	163	---	205	967	4010	805	248	318	228
31	241	---	179	165	---	205	---	3850	---	241	323	---
TOTAL	7704	6291	5502	5829	5439	5562	11902	60578	51435	14477	7617	7292
MEAN	249	210	177	188	188	179	397	1954	1714	467	246	243
MAX	303	246	208	234	207	214	967	4010	3510	743	330	340
MIN	225	150	133	120	158	163	184	870	805	241	181	177
AC-FT	15280	12480	10910	11560	10790	11030	23610	120200	102000	28720	15110	14460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	262	242	199	182	175	190	352	1347	2307	1019	388	270
MAX	526	382	277	243	252	297	862	2722	4134	2989	1096	625
(WY)	1962	1985	1985	1984	1986	1986	1962	1984	1984	1957	1984	1984
MIN	129	169	150	139	125	138	183	528	742	251	150	141
(WY)	1957	1990	1992	1990	1992	1965	1983	1977	1954	1977	1977	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1947 - 2000	
ANNUAL TOTAL	204922		189628			
ANNUAL MEAN	561		518		579	
HIGHEST ANNUAL MEAN					1082	1984
LOWEST ANNUAL MEAN					264	1977
HIGHEST DAILY MEAN	2640	Jun 24	4010	May 30	6580	May 25 1984
LOWEST DAILY MEAN	133	Dec 15	e120	Jan 6	78	Dec 10 1994
ANNUAL SEVEN-DAY MINIMUM	156	Dec 9	156	Dec 9	99	Aug 29 1990
INSTANTANEOUS PEAK FLOW			4500	May 30	7020	May 25 1984
INSTANTANEOUS PEAK STAGE			7.95	May 30	9.46	May 25 1984
ANNUAL RUNOFF (AC-FT)	406500		376100		419100	
10 PERCENT EXCEEDS	1730		1420		1580	
50 PERCENT EXCEEDS	262		229		244	
90 PERCENT EXCEEDS	181		174		160	

e Estimated.

09070500 COLORADO RIVER NEAR DOTSERO, CO

LOCATION.--Lat 39°38'38", long 107°04'38", in $NW^1/_4$ $SE^1/_4$ sec.6, T.5 S., R.86 W., Eagle County, Hydrologic Unit- 14010001, on left bank about 500 ft south of Interstate Highway 70, 1.5 mi west of Dotsero, and 1.5 mi downstream from Eagle River.

DRAINAGE AREA.--4,394 mi^2.

PERIOD OF RECORD.--October 1940 to current year. Water-quality data available, May 1962 to September 1984, and October 1995 to September 1998.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gages. Elevation of gage is 6,130 ft above sea level, from topographical map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power development, diversions for irrigation of about 68,000 acres upstream from station, and return flow from irrigated areas. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data for Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1960	1900	987	e820	903	965	1100	2840	7930	2570	1470	1610
2	1940	1790	1000	e880	950	970	1050	2940	7580	2410	1490	1570
3	1870	1630	994	e810	974	987	1030	3430	7070	2280	1600	1590
4	1850	1480	962	e800	960	977	1030	3940	6370	2360	1720	1750
5	1640	1380	851	e720	950	985	1130	4570	5500	2180	1710	1730
6	1550	1260	906	e570	934	1010	1230	5200	5030	1990	1690	1720
7	1790	1110	1010	e610	947	1010	1410	5460	4940	1850	1680	1600
8	2060	1120	e890	e800	926	1020	1500	5600	4620	1800	1660	1570
9	2040	1120	e860	e910	916	1010	1480	5140	4420	1890	1660	1550
10	2020	1110	e890	e890	952	997	1610	4620	4000	1960	1640	1510
11	2000	1100	e850	e870	955	968	1660	4950	3590	1880	1640	1450
12	1980	1080	e900	e810	967	994	1490	5280	3400	1750	1670	1430
13	1780	1100	e870	e760	993	990	1550	4790	3180	1700	1680	1410
14	1720	1070	e900	e720	986	971	1610	4350	2920	1590	1680	1400
15	1770	1070	e760	e860	987	988	1730	4020	3390	1580	1650	1410
16	1790	1070	e840	e930	1000	1010	1660	3770	3510	1640	1590	1450
17	1840	1060	e930	e960	1000	981	1540	3740	3430	1750	1690	1560
18	1830	1070	e800	e1000	1020	970	1610	3380	3290	1910	1790	1560
19	1850	1070	e840	1060	981	955	1680	3130	3340	1690	1870	1580
20	1860	1010	e840	1050	953	980	1600	2990	4160	1490	1900	1580
21	1890	1010	e880	1020	978	974	1540	2890	4670	1380	1720	1590
22	1870	1030	e820	984	991	954	1610	3030	3950	1330	1640	1790
23	1860	1020	e840	961	996	970	1770	3860	3630	1340	1550	1850
24	1860	888	e840	909	988	991	1890	5620	3360	1410	1510	1680
25	1860	847	e840	973	974	998	1880	6560	3130	1440	1460	1620
26	1870	967	e850	962	949	1020	1860	6620	3110	1470	1620	1520
27	1950	1100	e890	974	963	1050	2010	6210	3350	1510	1740	1210
28	1900	1030	e880	880	971	1080	2500	6190	3220	1470	1730	1170
29	1930	1020	e830	e860	970	1140	2810	7120	3090	1440	1780	1150
30	2000	1010	e840	e860	---	1130	2920	8110	2820	1410	1880	1170
31	1960	---	e820	866	---	1130	---	7990	---	1490	1830	---
TOTAL	58090	34522	27210	27079	28034	31175	49490	148340	126000	53960	51940	45780
MEAN	1874	1151	878	874	967	1006	1650	4785	4200	1741	1675	1526
MAX	2060	1900	1010	1060	1020	1140	2920	8110	7930	2570	1900	1850
MIN	1550	847	760	570	903	954	1030	2840	2820	1330	1460	1150
AC-FT	115200	68470	53970	53710	55610	61840	98160	294200	249900	107000	103000	90800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1215	1091	955	912	924	1050	1876	4860	6429	3170	1729	1306
MAX	2038	1664	1503	1473	1603	1961	5601	10770	13440	9354	4055	2616
(WY)	1963	1963	1985	1985	1962	1962	1962	1984	1984	1983	1984	1984
MIN	759	677	521	504	529	610	1039	1436	1373	1021	1050	737
(WY)	1943	1978	1943	1941	1943	1964	1964	1977	1954	1963	1958	1942

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1941 - 2000	
ANNUAL TOTAL	778450		681620			
ANNUAL MEAN	2133		1862		2129	
HIGHEST ANNUAL MEAN					4173	1984
LOWEST ANNUAL MEAN					1117	1977
HIGHEST DAILY MEAN	7920	Jun 9	8110	May 30	20800	May 25 1984
LOWEST DAILY MEAN	725	Mar 14	e570	Jan 6	a350	Jan 5 1944
ANNUAL SEVEN-DAY MINIMUM	744	Mar 12	741	Jan 2	417	Jan 13 1944
INSTANTANEOUS PEAK FLOW			8790	May 30	22200	May 25 1984
INSTANTANEOUS PEAK STAGE			8.07	May 30	14.20	May 25 1984
ANNUAL RUNOFF (AC-FT)	1544000		1352000		1543000	
10 PERCENT EXCEEDS	5750		3660		4990	
50 PERCENT EXCEEDS	1520		1500		1260	
90 PERCENT EXCEEDS	865		880		760	

e Estimated.
a Also occurred Jan 1, 1995.

WATER-QUALITY RECORDS

LOCATION.--Lat 39°33'32", long 107°17'25", in NW$^1/_4$SE$^1/_4$ sec.2, T.6 S., R.89 W., Garfield County, Hydrologic Unit 14010001, 0.25 mi upstream from No Name Creek and 2.0 mi above Glenwood Springs.

DRAINAGE AREA.--4,556 mi^2.

PERIOD OF RECORD.--December 1985 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1985 to current year.
WATER TEMPERATURE: December 1985 to current year.

INSTRUMENTATION.--Water-quality monitor since December 1985.

REMARKS.--Discharge obtained by subtracting the flow in Roaring Fork River at Glenwood Springs (station 09085000) from the flow in the Colorado River below Glenwood Springs (station 09085100). Water-quality data collection was moved downstream to the site downstream from No Name Creek previous site 09071100 on Dec. 12, 1985. Water-quality data collection was relocated upstream 0.25 mi above No Name Creek on Oct. 19, 1995. Water-quality data collected at this site are considered equivalent to data collected at old site. Previous to Oct. 1995, daily maximum and minimum specific-conductance data available in district office. Daily specific-conductance records are good except Nov. 23, Dec. 4-6, 8, and April 1-2 which are fair. Daily water temperature records are good. Interruptions in record are due to equipment malfunctions or sensors affected by slush ice.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,740 microsiemens, Aug. 21, 1990; minimum, 181 microsiemens, June 21, 1996.
WATER TEMPERATURE: Maximum, 22.5°C, July 26, 1987; minimum, 0.0°C on many days during the winter months.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,450 microsiemens/cm, Aug. 11; minimum, 196 microsiemens/cm, May 8.
WATER TEMPERATURE: Maximum, 21.3°C, July 15; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT										
28...	0940	2110	534	8.5	6.3	10.2	160	46.1	10.1	39.8
DEC										
02...	1145	1150	730	8.3	3.1	11.0	190	58.5	11.2	66.9
JAN										
28...	1030	974	703	--	.6	11.9	170	50.1	10.6	68.1
MAR										
16...	0815	1060	673	8.2	4.7	10.4	180	52.4	10.9	64.9
APR										
11...	1600	1850	526	8.3	10.2	9.2	160	45.6	10.5	44.8
MAY										
23...	0940	3730	332	8.1	12.4	8.7	110	32.6	7.42	22.9
JUN										
12...	0815	3210	338	8.2	13.6	8.5	100	30.1	6.54	25.2
JUL										
20...	1015	1910	566	8.4	19.4	8.2	150	46.3	9.23	47.4
AUG										
30...	1120	2040	501	8.1	18.4	7.3	140	41.4	8.10	36.8

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT										
28...	1	2.2	91	78.7	55.8	.3	7.7	295	.40	1720
DEC										
02...	2	2.3	108	90.0	108	.3	8.5	412	.56	1280
JAN										
28...	2	2.4	101	81.5	101	.3	9.6	383	.52	1120
MAR										
16...	2	2.6	103	82.3	101	.2	8.0	382	.52	1090
APR										
11...	2	3.0	100	74.8	62.4	.2	9.0	310	.42	1580
MAY										
23...	.9	1.3	84	38.9	30.8	.1	8.0	192	.26	2030
JUN										
12...	1	1.4	78	35.0	33.5	.2	8.2	187	.25	1620
JUL										
20...	2	2.2	99	62.2	69.8	.2	8.3	305	.41	1570
AUG										
30...	1	2.0	87	68.8	53.7	.3	8.1	271	.37	1490

09071750 COLORADO RIVER ABOVE GLENWOOD SPRINGS, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	452	443	449	472	461	468	716	691	702	---	---	---
2	454	446	450	493	472	485	717	691	705	764	725	740
3	462	450	458	516	493	510	712	701	706	---	---	---
4	454	446	450	550	516	530	709	699	703	---	---	---
5	505	446	459	578	550	568	754	713	727	---	---	---
6	554	505	541	598	571	584	783	---	---	---	---	---
7	518	471	482	662	598	644	826	754	783	---	---	---
8	471	425	441	665	636	655	807	711	747	---	---	---
9	448	440	444	653	635	645	---	---	---	---	---	---
10	451	441	447	654	643	648	---	---	---	---	---	---
11	449	444	447	676	643	663	804	696	735	693	667	675
12	451	444	449	675	643	663	---	---	---	673	656	664
13	492	444	468	670	644	660	---	---	---	---	---	---
14	536	492	516	687	626	663	---	---	---	696	665	685
15	538	527	533	680	668	674	---	---	---	705	661	687
16	537	527	534	677	666	672	---	---	---	702	656	682
17	532	525	528	674	663	670	---	---	---	691	655	668
18	527	518	524	702	668	687	---	---	---	666	654	660
19	532	519	529	682	655	666	---	---	---	664	654	659
20	529	519	525	682	663	672	---	---	---	673	646	655
21	522	514	519	714	676	701	---	---	---	673	627	651
22	526	514	521	713	688	702	---	---	---	696	661	671
23	529	517	525	702	672	685	---	---	---	701	654	683
24	529	520	525	---	---	---	---	---	---	745	688	703
25	527	519	524	---	---	---	---	---	---	745	642	691
26	530	519	525	834	762	793	---	---	---	699	685	693
27	521	501	517	779	683	711	---	---	---	698	674	683
28	512	498	506	693	660	671	---	---	---	741	668	693
29	507	453	484	703	680	692	---	---	---	---	---	---
30	472	454	466	700	682	690	---	---	---	---	---	---
31	463	458	460	---	---	---	---	---	---	---	---	---
MONTH	554	425	492	834	461	645	826	691	726	764	627	680

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	766	711	734	692	682	687	---	637	---	356	334	339
2	738	697	716	690	680	686	664	---	---	349	334	343
3	711	653	684	689	676	680	682	663	673	337	288	317
4	704	632	673	689	676	683	---	---	---	309	283	296
5	699	629	669	691	681	686	---	---	---	283	238	266
6	706	636	675	690	678	684	---	---	---	243	217	233
7	709	634	675	689	668	679	---	---	---	232	202	216
8	705	633	669	680	669	673	---	---	---	213	196	200
9	724	628	676	681	671	677	---	---	---	260	200	243
10	728	630	677	679	669	673	---	---	---	281	258	268
11	691	668	680	686	673	679	---	---	---	287	259	273
12	677	663	670	696	676	688	---	---	---	275	256	261
13	672	652	660	691	674	681	---	---	---	313	275	296
14	663	652	659	691	682	687	---	---	---	348	313	333
15	660	651	657	695	683	690	517	489	508	359	347	355
16	664	645	653	694	678	684	496	485	491	365	356	361
17	671	647	656	699	678	684	525	496	513	365	328	346
18	664	644	651	696	680	686	540	518	531	350	330	335
19	668	648	654	707	683	693	518	498	505	365	350	357
20	690	668	676	712	687	699	505	484	491	376	365	372
21	703	681	689	705	683	689	518	505	511	388	371	382
22	704	671	687	706	691	698	525	503	516	375	356	368
23	701	672	681	699	691	694	503	476	488	356	294	330
24	689	668	677	702	684	694	476	467	472	295	236	264
25	690	677	682	693	679	686	479	467	475	381	232	249
26	692	682	687	690	668	678	494	474	486	254	238	245
27	695	686	691	679	668	673	490	458	480	286	254	273
28	697	681	690	671	657	661	458	396	431	289	278	284
29	693	684	688	657	639	647	396	350	374	283	240	258
30	---	---	---	646	639	642	352	332	344	247	225	233
31	---	---	---	639	630	635	---	---	---	234	218	224
MONTH	766	628	677	712	630	680	682	332	488	388	196	294

09071750 COLORADO RIVER ABOVE GLENWOOD SPRINGS, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	231	218	223	425	388	410	610	601	605	547	503	536
2	227	214	219	439	423	427	609	599	604	545	538	540
3	222	213	217	452	434	439	603	574	585	544	521	541
4	240	221	227	455	434	444	575	544	558	521	489	500
5	262	240	250	497	435	473	551	543	547	518	492	513
6	270	262	266	507	496	501	553	547	550	523	517	521
7	271	253	262	534	507	526	554	549	552	564	520	550
8	276	260	268	551	534	542	552	546	549	559	533	544
9	285	274	279	552	530	544	558	548	551	552	537	548
10	303	282	293	539	508	521	561	555	557	567	548	560
11	326	303	319	526	510	520	1450	546	777	584	555	574
12	338	326	332	548	526	534	662	572	606	594	581	590
13	345	331	342	568	548	559	640	556	576	599	590	594
14	369	344	357	585	560	576	556	544	548	603	590	597
15	369	320	350	598	580	593	546	540	543	596	585	592
16	347	316	331	595	579	589	554	542	550	591	582	587
17	337	317	330	579	547	565	564	543	558	582	552	561
18	346	325	335	550	502	528	592	532	545	552	546	549
19	353	334	348	548	501	518	541	525	532	554	550	553
20	354	281	315	587	548	566	531	514	525	553	548	550
21	297	279	286	612	587	606	542	510	528	549	536	545
22	324	297	310	628	612	622	556	542	550	554	542	548
23	341	322	334	641	621	632	588	556	576	555	512	534
24	355	325	337	629	595	602	579	563	568	530	517	527
25	356	348	353	601	593	597	629	566	584	528	522	526
26	359	353	357	621	598	611	710	569	600	539	527	533
27	358	342	353	618	588	598	761	551	633	642	539	603
28	363	342	355	607	593	599	584	522	532	636	617	625
29	380	362	369	615	602	611	537	515	528	643	622	636
30	397	379	387	628	614	623	527	497	511	654	631	642
31	---	---	---	631	605	617	517	491	502	---	---	---
MONTH	397	213	310	641	388	551	1450	491	565	654	489	561
YEAR	1450	196	540									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11.0	9.4	9.9	6.8	5.8	6.2	2.2	1.3	1.5	.1	.0	.0
2	11.0	9.9	10.3	6.8	5.6	6.1	2.7	2.0	2.3	.1	.0	.0
3	10.9	9.5	10.0	6.3	4.6	5.4	2.7	2.1	2.5	.0	.0	.0
4	10.4	9.1	9.6	5.7	4.2	4.9	2.2	.9	1.4	.0	.0	.0
5	10.4	9.1	9.6	5.6	4.1	4.9	1.3	.0	.3	.0	.0	.0
6	10.7	9.8	10.3	5.5	4.0	4.9	.2	.0	.0	.0	.0	.0
7	10.4	9.7	9.9	5.3	4.0	4.7	.1	.0	.0	.0	.0	.0
8	10.2	9.2	9.6	4.9	4.1	4.5	.6	.0	.3	.0	.0	.0
9	10.9	9.7	10.1	5.0	4.3	4.6	.0	.0	.0	.0	.0	.0
10	11.4	10.0	10.5	5.0	4.0	4.4	.3	.0	.0	.0	.0	.0
11	11.4	10.2	10.8	4.7	3.9	4.2	.5	.1	.2	.2	.0	.0
12	11.4	10.0	10.5	4.3	3.2	3.6	.3	.0	.0	.2	.0	.0
13	10.9	9.7	10.2	3.8	2.6	3.1	.0	.0	.0	.2	.0	.0
14	10.8	9.5	10.1	3.3	2.3	2.7	.0	.0	.0	.2	.0	.0
15	10.6	8.8	9.6	3.0	2.1	2.5	.0	.0	.0	.3	.0	.0
16	9.5	7.8	8.5	2.9	2.1	2.4	.0	.0	.0	.2	.0	.1
17	8.3	6.1	6.9	3.8	2.5	2.8	.0	.0	.0	.3	.0	.1
18	7.0	6.0	6.3	4.2	3.6	3.8	.0	.0	.0	.4	.2	.3
19	7.0	5.6	6.0	4.1	2.5	2.9	.2	.0	.0	1.1	.4	.7
20	7.2	6.2	6.6	2.7	1.8	2.0	.1	.0	.0	1.1	.6	.9
21	7.6	6.3	6.8	2.1	1.6	1.9	.0	.0	.0	1.3	.7	1.0
22	7.7	6.5	7.0	2.2	1.8	2.0	.1	.0	.0	1.3	.6	1.1
23	7.8	6.5	7.0	2.0	.8	1.3	.0	.0	.0	1.2	.0	.6
24	7.6	6.3	6.8	---	.0	---	.0	.0	.0	.9	.3	.6
25	7.4	6.3	6.8	.0	.0	.0	.0	.0	.0	1.3	.8	1.1
26	7.4	6.2	6.7	2.1	.0	.8	.0	.0	.0	1.9	1.1	1.6
27	7.4	6.2	6.7	2.3	1.9	2.1	.0	.0	.0	2.1	1.2	1.8
28	7.3	6.2	6.7	2.3	1.7	2.0	.0	.0	.0	1.5	.0	.6
29	7.4	6.8	7.1	2.4	1.9	2.1	.0	.0	.0	.5	.0	.2
30	7.2	5.6	6.1	2.4	1.6	1.9	.0	.0	.0	.1	.0	.0
31	6.5	5.6	6.0	---	---	---	.0	.0	.0	.2	.0	.0
MONTH	11.4	5.6	8.4	6.8	.0	3.3	2.7	.0	.3	2.1	.0	.3

09071750 COLORADO RIVER ABOVE GLENWOOD SPRINGS, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.4	.0	.1	5.3	4.2	4.8	6.4	5.1	5.8	11.7	9.6	10.6
2	.5	.0	.2	5.1	4.3	4.7	7.3	6.3	6.7	13.1	10.6	11.6
3	.5	.0	.3	6.0	4.9	5.3	7.3	5.9	6.6	13.4	11.3	12.4
4	1.0	.3	.6	6.7	5.3	6.0	---	---	---	13.4	11.1	12.3
5	1.2	.3	.7	6.6	5.4	6.0	---	---	---	13.0	11.0	12.0
6	1.2	.3	.8	6.5	5.3	5.8	---	---	---	12.4	10.7	11.4
7	1.8	.4	1.1	6.8	5.8	6.2	---	---	---	11.5	10.4	10.8
8	1.9	.6	1.3	6.1	5.3	5.8	---	---	---	10.7	8.4	9.5
9	1.9	.9	1.3	6.1	4.3	5.2	---	---	---	10.4	7.6	8.7
10	1.7	1.2	1.5	5.3	3.9	4.6	---	---	---	12.0	9.6	10.6
11	1.9	1.0	1.7	4.8	3.5	4.1	---	---	---	11.9	10.8	11.5
12	2.4	1.6	2.1	6.0	4.1	4.8	---	---	---	11.4	8.4	9.2
13	2.0	1.3	1.6	6.1	4.5	5.1	---	---	---	8.8	6.6	7.5
14	2.0	1.6	1.8	6.5	5.1	5.7	---	---	---	10.2	7.9	8.8
15	3.1	1.1	2.5	6.2	4.8	5.6	10.8	9.2	9.9	11.4	9.6	10.3
16	5.0	2.6	3.2	5.8	4.4	4.9	10.0	8.9	9.4	12.5	10.5	11.4
17	3.1	2.2	2.7	5.9	4.8	5.4	11.3	9.7	10.3	12.3	9.0	10.6
18	2.8	2.2	2.4	5.3	4.0	4.8	11.7	9.4	10.7	9.0	7.8	8.3
19	3.3	2.2	2.8	5.0	3.8	4.3	9.4	7.2	8.2	10.8	8.0	9.1
20	2.9	2.0	2.5	5.7	4.5	5.2	9.0	6.7	7.7	12.6	10.4	11.3
21	3.6	2.3	3.0	5.9	4.4	4.9	10.0	9.0	9.5	12.9	11.0	12.0
22	4.3	3.4	3.9	6.0	5.1	5.6	10.1	8.6	9.4	13.8	11.6	12.6
23	3.7	2.8	3.3	6.5	4.9	5.4	9.2	7.9	8.5	14.0	12.2	13.2
24	4.4	3.4	3.9	7.6	5.8	6.8	9.7	9.0	9.3	14.0	11.5	12.4
25	3.9	2.4	3.3	8.3	6.9	7.4	---	8.9	---	11.5	10.5	10.8
26	2.9	1.5	2.4	8.4	7.2	7.7	11.1	10.0	10.3	10.5	9.7	9.9
27	3.2	2.1	2.6	9.1	7.6	8.2	12.9	11.1	11.8	11.9	9.0	10.1
28	4.5	3.0	3.9	9.1	7.9	8.5	13.2	12.0	12.7	13.5	10.9	12.0
29	5.0	3.7	4.3	8.8	7.6	8.1	13.3	10.9	11.8	13.5	12.5	13.0
30	---	---	---	8.8	7.6	8.2	11.5	10.1	10.7	13.3	11.6	12.4
31	---	---	---	8.0	5.6	6.7	---	---	---	13.0	11.7	12.4
MONTH	5.0	.0	2.1	9.1	3.5	5.9	13.3	5.1	9.4	14.0	6.6	10.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.1	11.8	12.4	18.4	16.9	17.7	20.6	19.7	20.1	17.8	16.3	17.0
2	13.2	12.1	12.6	18.5	17.1	17.9	20.8	19.8	20.2	16.8	15.6	16.2
3	13.5	12.0	12.7	18.5	17.2	17.8	20.3	19.4	19.7	16.6	15.3	15.8
4	13.8	12.3	13.0	18.5	17.5	18.0	20.1	18.8	19.5	16.9	15.7	16.1
5	14.5	12.6	13.4	18.4	16.6	17.4	20.2	19.3	19.8	17.0	15.9	16.5
6	14.8	12.5	13.6	18.5	17.2	17.8	20.2	18.7	19.5	16.6	15.3	15.8
7	15.1	13.0	14.0	19.3	18.1	18.5	20.3	18.7	19.3	16.5	14.8	15.5
8	15.4	13.7	14.6	19.4	18.4	18.8	19.9	18.2	18.9	16.7	15.2	16.0
9	15.2	13.6	14.2	19.0	18.4	18.8	20.1	18.6	19.2	16.0	14.7	15.2
10	14.8	12.8	13.8	19.9	18.5	19.0	20.6	19.5	19.9	15.9	14.7	15.3
11	15.3	13.0	14.1	20.2	19.5	19.8	21.1	19.8	20.4	15.9	14.5	15.3
12	15.3	13.5	14.4	20.4	19.2	19.7	21.1	19.7	20.3	15.8	14.7	15.2
13	15.2	13.5	14.4	20.0	18.8	19.3	20.2	19.0	19.5	16.3	15.1	15.7
14	15.6	13.5	14.4	21.1	20.0	20.5	20.4	18.9	19.5	16.7	15.3	16.1
15	16.4	14.4	15.4	21.3	20.0	20.8	20.3	19.2	19.6	16.9	15.3	16.2
16	16.4	14.6	15.4	21.0	20.0	20.5	20.4	19.5	19.9	16.9	15.3	16.1
17	15.8	13.6	14.7	20.9	19.0	20.0	20.0	18.8	19.3	17.1	15.6	16.3
18	15.7	13.7	14.6	19.5	18.5	18.9	19.9	18.2	18.8	16.9	15.8	16.2
19	15.0	14.0	14.4	19.7	18.9	19.3	19.8	18.2	18.9	16.8	15.3	15.9
20	14.6	13.0	13.7	19.8	19.0	19.4	19.8	18.8	19.2	16.3	15.0	15.7
21	15.6	13.4	14.4	20.1	18.8	19.3	19.3	18.3	18.9	15.8	13.6	14.5
22	15.9	14.4	15.1	19.9	19.0	19.3	19.1	17.6	18.1	13.9	12.6	13.2
23	15.9	15.2	15.6	20.5	19.4	19.8	18.7	17.4	17.8	13.8	12.4	12.8
24	15.8	14.7	15.2	20.1	18.7	19.5	19.0	17.7	18.3	12.6	10.6	11.3
25	15.9	15.1	15.6	19.1	18.3	18.7	19.8	18.7	19.1	10.7	9.7	10.1
26	15.7	14.2	15.0	19.8	18.6	19.1	20.0	18.4	19.2	11.5	10.2	10.7
27	15.4	13.1	14.1	19.9	18.7	19.2	18.8	17.1	18.0	12.1	10.8	11.5
28	16.0	13.5	14.6	19.7	18.8	19.2	19.2	18.4	18.8	13.0	12.0	12.5
29	16.6	15.5	16.0	20.2	19.4	19.7	19.3	18.1	18.6	14.2	12.9	13.5
30	17.7	15.7	16.7	20.6	19.2	19.9	19.3	17.9	18.4	14.4	13.2	13.9
31	---	---	---	20.4	19.3	19.8	18.2	17.0	17.5	---	---	---
MONTH	17.7	11.8	14.4	21.3	16.6	19.1	21.1	17.0	19.2	17.8	9.7	14.7
YEAR	21.3	.0	9.0									

09073300 ROARING FORK RIVER ABOVE DIFFICULT CREEK NEAR ASPEN, CO

LOCATION.--Lat 39°08'28", long 106°46'25", Pitkin County, Hydrologic Unit 14010004, on left bank in the White River National Forest at Difficult Creek Campground, 0.45 mi upstream from Difficult Creek tributary, and 4.25 mi southeast of Aspen.

DRAINAGE AREA.--75.8 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1979 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,120 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Transmountain diversion 11 mi upstream through Twin Lakes Tunnel to Arkansas River basin since May 24, 1935 (42,060 acre-ft diverted during current year, provided by Colorado Division of Water Resources).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	43	e30	17	e14	14	19	72	e280	48	25	45
2	74	40	e30	17	e13	14	18	e86	234	47	49	42
3	64	39	e31	e16	e15	15	18	e105	231	45	50	40
4	55	40	e28	e15	e15	14	19	e125	225	41	49	37
5	56	41	e22	16	e14	16	23	e148	e215	38	47	45
6	52	40	e26	15	e14	14	26	171	e205	36	45	53
7	57	41	e27	e14	e14	15	28	160	e195	35	40	57
8	62	42	e28	15	e14	14	29	149	e192	35	36	60
9	71	42	e24	16	e14	16	34	128	e190	35	33	65
10	66	39	27	15	e15	16	37	136	187	33	32	45
11	61	37	29	15	e15	18	34	182	135	30	33	36
12	55	35	e26	15	e15	17	35	174	135	29	35	34
13	54	33	e22	e14	e14	16	41	137	114	29	40	34
14	50	34	e24	e14	e15	16	45	106	106	30	41	33
15	49	35	e16	e14	e15	17	43	98	106	34	41	33
16	48	33	26	e15	e15	16	39	119	108	54	40	31
17	44	36	27	e15	16	16	44	143	90	75	41	30
18	48	35	26	e17	16	16	51	100	78	54	42	32
19	47	26	24	e17	e14	22	46	90	88	44	44	33
20	46	35	e23	e16	e14	17	43	92	97	40	40	32
21	45	33	e22	e16	16	16	47	100	77	39	39	31
22	46	36	e22	e15	16	16	48	142	70	36	42	47
23	47	33	22	e14	15	17	46	228	67	34	43	48
24	43	e25	22	e14	15	17	45	257	64	e32	40	42
25	42	e28	19	e15	14	17	44	e230	68	32	41	e42
26	41	35	20	e16	e12	18	49	e200	70	31	46	e41
27	41	34	19	e15	e14	18	65	e180	66	30	49	e39
28	40	32	19	e14	14	20	82	e210	62	28	43	e34
29	41	31	17	e13	14	20	87	e290	56	28	48	e39
30	40	31	17	e9.0	---	20	85	e330	51	27	47	e37
31	42	---	e16	e11	---	19	---	e320	---	26	45	---
TOTAL	1603	1064	731	460.0	421	517	1270	5008	3862	1155	1286	1217
MEAN	51.7	35.5	23.6	14.8	14.5	16.7	42.3	162	129	37.3	41.5	40.6
MAX	76	43	31	17	16	22	87	330	280	75	50	65
MIN	40	25	16	9.0	12	14	18	72	51	26	25	30
AC-FT	3180	2110	1450	912	835	1030	2520	9930	7660	2290	2550	2410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	30.7	22.7	18.0	15.6	14.9	16.4	31.3	144	399	182	62.6	40.0
MAX	53.3	43.3	31.0	24.4	21.1	24.4	53.8	512	939	872	145	83.7
(WY)	1987	1985	1985	1985	1998	1997	1985	1984	1984	1995	1995	1986
MIN	15.8	12.5	10.9	10.6	10.8	9.60	14.9	57.4	103	37.3	21.2	17.7
(WY)	1995	1995	1995	1995	1981	1981	1983	1995	1989	2000	1981	1981

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1980 - 2000	
ANNUAL TOTAL	42793		18594.0			
ANNUAL MEAN	117		50.8		a132	
HIGHEST ANNUAL MEAN					194	1984
LOWEST ANNUAL MEAN					35.7	1981
HIGHEST DAILY MEAN	1340	Jun 24	e330	May 30	1930	Jun 8 1985
LOWEST DAILY MEAN	e11	Jan 27	e9.0	Jan 30	b8.0	Jan 11 1980
ANNUAL SEVEN-DAY MINIMUM	12	Jan 26	13	Jan 27	9.2	Mar 22 1981
INSTANTANEOUS PEAK FLOW			c569	May 30	d2350	Jun 8 1985
INSTANTANEOUS PEAK STAGE			c3.16	May 30	5.10	Jun 8 1985
ANNUAL RUNOFF (AC-FT)	84880		36880		a95630	
10 PERCENT EXCEEDS	249		107		178	
50 PERCENT EXCEEDS	41		35		28	
90 PERCENT EXCEEDS	14		15		13	

e Estimated.
a Includes Twin Lakes Tunnel.
b Also occurred Dec 31, 1994.
c Maximum recorded, may have been higher during periods of no gage-height record, May 25 to Jun 1, and Jun 5-9.
d From rating curve extended above 910 ft^3/s.

09073300 ROARING FORK RIVER ABOVE DIFFICULT CREEK NEAR ASPEN, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1996 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1999 to June 2000 (seasonal only, discontinued).
WATER TEMPERATURE: December 1999 to June 2000 (seasonal only, discontinued).

INSTRUMENTATION.--Water-quality monitor December 1999 to June 2000 (discontinued).

REMARKS.--Specific conductance record is good. Water temperature record is good. Period of missing record are caused by sensor fouling or instrument malfunction.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR CURRENT YEAR (seasonal only).--
SPECIFIC CONDUCTANCE: Maximum, 79 microsiemens, Apr. 2; minimum, 24 microsiemens, May 30, 31.
WATER TEMPERATURE: Maximum, 9.9°C, May 23; minimum, 0.0°C, on several days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
DEC 08...	1025	28	74	7.6	.6	12.3	<1	<1	29	9.01
JAN 13...	1625	18	74	8.1	1.0	11.2	<1	<1	--	--
APR 25...	1040	37	64	8.2	1.9	10.9	--	--	27	8.39
JUN 05...	1700	185	34	7.7	8.5	8.8	K1	K1	14	4.45
JUL 25...	1235	33	59	8.0	12.8	8.5	K2	K1	--	--
AUG 21...	1620	39	72	7.9	12.4	8.6	8	K4	29	9.14

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
DEC 08...	1.52	1.9	.2	.4	29	5.7	.4	.5	8.2	46
JAN 13...	--	--	--	--	--	--	--	--	--	--
APR 25...	1.38	1.8	.2	.4	26	4.0	.3	.4	7.3	40
JUN 05...	.80	1.1	.1	.3	15	1.6	<.3	.3	5.6	24
JUL 25...	--	--	--	--	--	--	--	--	--	--
AUG 21...	1.49	1.7	.1	.4	27	7.2	<.3	.4	6.6	43

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
DEC 08...	.06	3.44	<.001	.105	<.002	<.10	<.10	<.008	<.006	<.001
JAN 13...	--	--	<.001	.114	<.002	<.10	<.10	<.008	<.006	<.001
APR 25...	.05	4.00	<.001	.075	.003	.11	E.10	<.008	<.006	.003
JUN 05...	.03	11.8	.001	.017	<.002	.14	E.10	E.004	E.003	.002
JUL 25...	--	--	<.001	.025	.003	E.10	E.10	<.008	<.006	.001
AUG 21...	.06	4.57	<.001	.048	<.002	E.10	<.10	<.008	E.003	.001

09073300 ROARING FORK RIVER ABOVE DIFFICULT CREEK NEAR ASPEN, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
DEC										
08...	<.1	E1	30	<1	E3	E2	<.2	<2.4	<.2	<20
APR										
25...	<.1	1	90	<1	4	4	<.2	<2.4	<.2	<20
JUN										
05...	<.1	E1	70	<1	3	<2	<.2	<2.4	<.2	<20
AUG										
21...	<.1	E1	50	<1	4	<2	<.2	<2.4	<.2	<20

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	70	---	---	---	---
9	---	---	---	---	---	---	73	69	71	---	---	---
10	---	---	---	---	---	---	71	70	71	---	---	---
11	---	---	---	---	---	---	71	70	70	---	---	---
12	---	---	---	---	---	---	72	70	71	---	---	---
13	---	---	---	---	---	---	72	70	71	---	---	---
14	---	---	---	---	---	---	72	70	71	---	---	---
15	---	---	---	---	---	---	---	71	---	---	---	---
16	---	---	---	---	---	---	72	70	72	---	---	---
17	---	---	---	---	---	---	72	71	71	---	---	---
18	---	---	---	---	---	---	73	71	72	---	---	---
19	---	---	---	---	---	---	72	71	72	---	---	---
20	---	---	---	---	---	---	72	71	71	---	---	---
21	---	---	---	---	---	---	72	71	72	---	---	---
22	---	---	---	---	---	---	72	71	72	---	---	---
23	---	---	---	---	---	---	73	71	72	---	---	---
24	---	---	---	---	---	---	72	69	71	---	---	---
25	---	---	---	---	---	---	72	70	71	---	---	---
26	---	---	---	---	---	---	72	70	71	---	---	---
27	---	---	---	---	---	---	72	70	71	---	---	---
28	---	---	---	---	---	---	72	70	71	---	---	---
29	---	---	---	---	---	---	73	71	72	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

09073300 ROARING FORK RIVER ABOVE DIFFICULT CREEK NEAR ASPEN, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	76	74	75	75	73	74	53	50	51
2	---	---	---	76	74	75	79	72	74	---	48	---
3	---	---	---	75	75	75	76	73	75	---	---	---
4	---	---	---	76	73	75	78	71	74	---	---	---
5	---	---	---	75	73	74	75	71	73	---	---	---
6	---	---	---	76	74	75	72	68	70	---	---	---
7	---	---	---	75	72	74	69	66	68	---	---	---
8	---	---	---	75	73	74	69	64	66	---	---	---
9	---	---	---	75	73	75	66	61	64	---	---	---
10	---	---	---	75	74	75	62	60	61	44	---	---
11	---	---	---	76	74	75	64	62	63	40	37	38
12	---	---	---	75	74	75	66	61	64	40	37	39
13	---	---	---	77	74	75	61	57	60	42	40	42
14	---	---	---	78	73	75	60	53	57	48	42	43
15	---	---	---	77	73	75	59	56	57	44	43	43
16	---	---	---	77	74	75	62	59	60	44	39	42
17	---	74	---	77	73	75	60	54	59	41	38	40
18	75	75	75	77	74	75	55	52	54	42	41	42
19	---	73	---	---	73	---	57	50	54	44	42	44
20	---	73	---	77	74	76	59	57	58	47	44	45
21	76	74	75	76	75	76	57	55	56	45	42	44
22	76	74	75	76	75	75	55	53	55	43	36	41
23	76	75	75	76	74	75	62	54	57	39	31	36
24	75	74	75	75	74	74	59	56	58	35	31	33
25	76	74	75	76	73	74	61	58	59	---	30	---
26	76	73	75	75	74	74	58	54	57	---	---	---
27	77	74	75	76	72	74	54	48	53	---	---	---
28	76	75	75	74	70	72	50	47	49	---	---	---
29	75	74	75	73	71	73	50	47	49	---	---	---
30	---	---	---	73	71	72	50	47	49	---	24	---
31	---	---	---	74	71	73	---	---	---	---	---	---
MONTH	---	---	---	---	70	---	79	47	61	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

09073300 ROARING FORK RIVER ABOVE DIFFICULT CREEK NEAR ASPEN, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	.9	.3	.8	---	---	---
9	---	---	---	---	---	---	.4	.0	.1	---	---	---
10	---	---	---	---	---	---	1.1	.0	.5	---	---	---
11	---	---	---	---	---	---	.8	.1	.6	---	---	---
12	---	---	---	---	---	---	.7	.1	.4	---	---	---
13	---	---	---	---	---	---	1.2	.0	.4	---	---	---
14	---	---	---	---	---	---	.3	.0	.1	---	---	---
15	---	---	---	---	---	---	.3	.0	.0	---	---	---
16	---	---	---	---	---	---	1.1	.1	.8	---	---	---
17	---	---	---	---	---	---	1.2	.6	1.0	---	---	---
18	---	---	---	---	---	---	1.4	.3	.8	---	---	---
19	---	---	---	---	---	---	1.1	.6	.8	---	---	---
20	---	---	---	---	---	---	1.0	.2	.6	---	---	---
21	---	---	---	---	---	---	.8	.1	.5	---	---	---
22	---	---	---	---	---	---	.9	.2	.5	---	---	---
23	---	---	---	---	---	---	1.1	.4	.7	---	---	---
24	---	---	---	---	---	---	.9	.3	.5	---	---	---
25	---	---	---	---	---	---	1.1	.3	.7	---	---	---
26	---	---	---	---	---	---	1.2	.4	.8	---	---	---
27	---	---	---	---	---	---	1.1	.4	.7	---	---	---
28	---	---	---	---	---	---	1.2	.5	.8	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	2.7	.4	1.4	4.3	.5	2.1	7.5	1.7	4.3
2	---	---	---	2.7	1.3	1.9	2.8	.5	1.5	---	2.4	---
3	---	---	---	3.1	.8	1.9	4.6	.5	2.3	---	---	---
4	---	---	---	3.1	.1	1.5	5.8	.5	2.9	---	---	---
5	---	---	---	2.7	.6	1.6	5.9	1.3	3.2	---	---	---
6	---	---	---	3.2	.2	1.7	6.5	2.0	3.8	---	---	---
7	---	---	---	2.8	.7	1.6	6.4	2.1	3.7	---	---	---
8	---	---	---	2.6	.5	1.4	5.8	.5	2.9	---	---	---
9	---	---	---	3.0	.7	1.6	6.7	1.2	3.4	---	---	---
10	---	---	---	2.3	.1	1.2	5.7	1.0	2.9	9.2	---	---
11	---	---	---	2.6	.0	1.2	5.7	1.8	3.4	7.9	3.4	5.4
12	---	---	---	2.0	.6	1.3	7.0	1.2	3.6	4.1	1.5	2.8
13	---	---	---	2.6	.1	1.3	6.4	1.2	3.4	6.0	.7	3.4
14	---	---	---	3.5	.0	1.6	6.0	1.4	3.4	7.1	2.7	4.9
15	---	---	---	1.4	.2	.8	4.0	1.5	2.7	7.7	3.8	5.7
16	---	---	---	2.6	.1	1.3	7.1	1.5	3.9	9.2	4.1	6.5
17	---	1.2	---	2.5	.2	1.1	7.6	1.8	4.3	6.3	3.3	4.1
18	2.1	.8	1.3	1.7	.0	.9	5.1	1.7	3.2	4.8	2.2	3.5
19	1.0	.0	.4	2.8	.1	1.2	2.4	1.0	1.8	7.0	2.8	4.7
20	1.8	.0	.9	3.2	1.2	2.0	7.4	1.3	3.9	8.8	4.2	6.4
21	3.3	1.0	2.0	4.4	.5	2.2	5.6	1.8	3.7	9.1	3.6	6.5
22	1.6	1.0	1.3	3.2	.6	1.8	3.3	.2	2.0	9.8	4.2	7.0
23	2.7	.4	1.5	4.8	.7	2.6	4.3	.1	2.1	9.9	4.1	6.7
24	2.6	.9	1.6	4.6	1.1	2.7	4.4	1.6	2.7	8.3	3.9	5.8
25	.9	.1	.4	4.7	.7	2.6	7.2	.6	3.6	---	3.5	---
26	1.2	.0	.6	4.0	1.6	2.6	8.5	2.3	5.0	---	---	---
27	2.3	.0	1.1	5.2	.7	2.7	8.4	2.2	4.9	---	---	---
28	3.0	1.3	1.9	3.8	1.0	2.3	6.6	2.1	4.1	---	---	---
29	2.8	.8	1.6	5.0	1.0	2.7	6.5	2.1	4.2	---	---	---
30	---	---	---	4.7	.6	2.3	5.0	2.6	3.5	---	---	---
31	---	---	---	2.2	.7	1.4	---	---	---	---	3.9	---
MONTH	---	---	---	5.2	.0	1.8	8.5	.1	3.3	---	---	---

09073300 ROARING FORK RIVER ABOVE DIFFICULT CREEK NEAR ASPEN, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	8.8	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

09073400 ROARING FORK RIVER NEAR ASPEN, CO

LOCATION.--Lat 39°10'48", long 106°48'05", T. 10 S., R. 84 W., Pitkin County, Hydrologic Unit 14010004, on right bank 25 ft upstream from private bridge, 115 ft upstream from Salvation ditch headgate, 1.0 mi southeast of Aspen, and 2.0 mi upstream from Hunter Creek.

DRAINAGE AREA.--108 mi^2.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,014.01 ft above sea level. Prior to Apr. 25, 1968, at site 85 ft upstream, at datum 1.16 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Transmountain diversion 14 mi upstream through Twin Lakes tunnel to Arkansas River basin since May 24, 1935, (42,060 acre-ft diverted during current year, provided by Colorado Division of Water Resources). Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	62	41	26	e24	24	39	114	462	81	37	59
2	95	56	42	26	e23	25	39	131	405	79	58	55
3	87	55	41	26	e25	e25	40	158	385	75	63	51
4	78	56	40	e25	e25	e27	41	179	369	69	62	47
5	81	56	e31	26	e25	e29	44	199	342	64	60	53
6	77	53	e35	24	e24	e27	47	211	329	59	58	66
7	88	53	e37	e23	24	e28	49	210	314	57	52	71
8	88	56	e38	25	24	26	50	215	299	58	47	73
9	97	57	e34	25	25	27	53	205	295	62	42	85
10	93	51	38	25	26	27	58	212	256	59	41	63
11	87	50	37	25	26	27	57	251	225	52	41	48
12	82	47	36	23	25	29	56	222	209	51	44	45
13	82	45	e30	24	25	28	61	176	196	51	53	43
14	73	45	e34	e24	26	29	64	165	183	52	50	41
15	71	47	e22	e24	25	30	66	167	179	64	51	41
16	68	45	35	e25	24	30	62	187	171	102	52	39
17	61	47	35	e26	25	30	65	197	156	130	56	38
18	69	48	35	27	25	31	72	166	143	93	57	43
19	68	34	35	28	24	30	70	152	154	72	62	44
20	65	44	34	26	24	32	67	153	181	64	53	41
21	64	44	e30	27	25	32	71	167	147	60	51	44
22	63	45	e30	27	25	33	73	214	130	56	57	73
23	61	40	31	25	25	33	75	317	118	53	56	65
24	59	36	e29	25	26	34	75	402	110	51	52	59
25	57	38	e28	27	24	35	72	371	106	49	54	59
26	57	44	29	27	24	36	75	312	113	46	62	58
27	57	44	29	27	25	37	88	284	123	45	67	55
28	56	44	e28	24	25	39	107	350	110	42	58	52
29	60	43	e27	23	25	39	117	461	95	41	63	56
30	56	42	e26	e16	---	40	122	529	86	40	62	53
31	61	---	e25	e18	---	39	---	512	---	39	60	---
TOTAL	2262	1427	1022	769	718	958	1975	7589	6391	1916	1681	1620
MEAN	73.0	47.6	33.0	24.8	24.8	30.9	65.8	245	213	61.8	54.2	54.0
MAX	101	62	42	28	26	40	122	529	462	130	67	85
MIN	56	34	22	16	23	24	39	114	86	39	37	38
AC-FT	4490	2830	2030	1530	1420	1900	3920	15050	12680	3800	3330	3210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	44.6	35.6	30.3	27.1	25.9	27.9	49.2	199	435	206	71.2	51.8
MAX	80.0	61.6	47.5	44.6	41.1	44.3	79.7	554	1017	1057	186	94.0
(WY)	1966	1985	1987	1997	1997	1997	1985	1984	1984	1995	1995	1999
MIN	23.5	20.7	18.6	17.0	15.4	16.6	26.2	97.0	119	48.4	29.3	23.8
(WY)	1978	1978	1977	1977	1977	1977	1973	1983	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1965 - 2000	
ANNUAL TOTAL	53978		28328			
ANNUAL MEAN	148		77.4		a154	
HIGHEST ANNUAL MEAN					229	1984
LOWEST ANNUAL MEAN					42.1	1977
HIGHEST DAILY MEAN	1150	Jun 21	529	May 30	1900	Jul 10 1995
LOWEST DAILY MEAN	e17	Jan 29	e16	Jan 30	12	Nov 28 1976
ANNUAL SEVEN-DAY MINIMUM	23	Jan 9	22	Jan 28	15	Feb 1 1977
INSTANTANEOUS PEAK FLOW			639	May 30	b2230	Jul 11 1995
INSTANTANEOUS PEAK STAGE			3.32	May 30	5.97	Jul 11 1995
ANNUAL RUNOFF (AC-FT)	107100		56190		a111600	
10 PERCENT EXCEEDS	395		179		252	
50 PERCENT EXCEEDS	58		52		41	
90 PERCENT EXCEEDS	25		25		23	

e Estimated.
a Includes diversions through Twin Lakes Tunnel.
b Also occurred Jun 9, 1985.

09074000 HUNTER CREEK NEAR ASPEN, CO

LOCATION.--Lat 39°12'21", long 106°47'49", Pitkin County, Hydrologic Unit 14010004, on right bank 280 ft upstream from headgate of Red Mountain ditch, 1.5 mi upstream from mouth, and 1.5 mi northeast of Aspen.

DRAINAGE AREA.--41.1 mi^2.

PERIOD OF RECORD.--June 1950 to September 1956, September 1969 to current year. Statistical summary computed for 1980 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,610 ft above sea level, from topographic map. Prior to Sept. 1, 1969, at site 220 ft downstream, at different datum, Sept. 1, 1969 to July 10, 1991 at datum 1.0 ft lower.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Transmountain diversion upstream from station to Charles H. Boustead tunnel by feeder conduit. Several small diversions upstream from station for irrigation of hay meadows upstream and downstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	24	e10	e5.0	e4.5	e4.8	5.5	65	250	67	16	13
2	34	20	e10	e5.2	e4.1	e4.9	5.3	96	200	64	15	11
3	33	19	e10	e5.0	e4.4	e5.0	5.3	149	199	57	14	9.5
4	30	18	e6.0	e4.4	e4.4	e5.4	6.4	199	173	49	13	8.9
5	30	18	e4.6	e4.9	e4.4	e5.6	10	262	145	43	12	8.6
6	30	17	e5.6	e4.8	e4.3	e5.4	13	287	131	41	12	12
7	40	17	e5.7	e4.2	e4.3	e5.5	15	245	127	40	10	13
8	42	17	e6.2	e4.5	e4.3	e5.2	16	196	107	41	9.3	11
9	48	17	e5.2	e4.8	e4.3	e5.1	20	141	189	46	8.9	17
10	43	15	e6.0	e4.7	e4.5	e5.0	24	171	258	43	8.4	12
11	39	16	e6.2	e4.5	e4.6	e4.3	23	270	214	36	8.8	9.2
12	34	14	e5.6	e4.5	e4.5	e4.7	23	198	192	34	9.9	8.2
13	31	12	e4.7	e4.3	e4.4	e4.4	27	87	160	31	13	7.7
14	30	13	e5.4	e4.2	e4.5	4.5	33	83	98	35	10	7.2
15	28	12	e3.5	e4.2	e4.7	4.4	36	85	52	61	13	6.8
16	25	11	e5.8	e4.5	e4.6	4.7	30	101	50	146	11	6.3
17	19	10	e6.2	e4.5	e4.9	4.6	32	110	47	113	13	6.0
18	26	10	e5.4	e5.0	e4.8	4.2	41	82	47	69	22	7.4
19	23	e9.4	e5.6	e5.2	e4.4	e3.9	37	78	61	46	25	8.1
20	22	e10	e5.4	e4.9	e4.4	4.4	29	82	67	37	18	6.9
21	22	e10	e5.0	e4.8	e4.9	4.5	35	93	50	33	17	9.1
22	21	e11	e5.0	e4.7	e4.8	4.4	35	124	46	29	17	34
23	20	e9.2	e5.2	e4.3	e4.7	4.7	32	191	44	26	15	20
24	19	e7.6	e4.9	e4.3	e4.7	4.6	29	278	43	25	14	16
25	18	e8.4	e4.8	e4.7	e4.7	5.0	26	242	43	24	13	15
26	18	e13	e4.9	e4.8	e4.3	5.4	30	175	48	22	12	16
27	19	e12	e4.9	e4.7	e4.7	6.1	48	141	49	21	17	12
28	19	e11	e4.9	e4.1	e5.0	7.1	73	207	45	20	13	11
29	22	e10	e4.8	e3.9	e4.8	6.8	86	424	52	19	14	16
30	22	e10	e4.6	e2.8	---	6.3	82	454	72	18	14	18
31	24	---	e4.4	e3.3	---	5.6	---	370	---	17	14	---
TOTAL	867	401.6	176.5	139.7	131.9	156.5	907.5	5686	3259	1353	422.3	356.9
MEAN	28.0	13.4	5.69	4.51	4.55	5.05	30.2	183	109	43.6	13.6	11.9
MAX	48	24	10	5.2	5.0	7.1	86	454	258	146	25	34
MIN	18	7.6	3.5	2.8	4.1	3.9	5.3	65	43	17	8.4	6.0
AC-FT	1720	797	350	277	262	310	1800	11280	6460	2680	838	708

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	16.9	11.0	7.19	6.09	5.64	6.76	20.0	126	209	80.4	32.7	19.8
MAX	32.7	25.1	14.4	11.3	9.21	11.3	40.8	287	462	271	74.4	42.1
(WY)	1985	1985	1985	1987	1985	1997	1989	1996	1996	1995	1995	1999
MIN	5.35	3.32	2.33	2.74	2.89	3.66	7.68	44.8	72.6	30.4	10.6	7.03
(WY)	1990	1990	1981	1981	1990	1990	1983	1995	1989	1994	1980	1980

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1980 - 2000	
ANNUAL TOTAL	21875.9		13857.9			
ANNUAL MEAN	59.9		37.9		a45.2	
HIGHEST ANNUAL MEAN					81.2	1996
LOWEST ANNUAL MEAN					27.2	1994
HIGHEST DAILY MEAN	514	Jun 24	454	May 30	786	Jun 6 1988
LOWEST DAILY MEAN	e3.5	Dec 15	e2.8	Jan 30	1.8	Dec 20 1980
ANNUAL SEVEN-DAY MINIMUM	4.8	Dec 25	3.9	Jan 28	1.9	Dec 20 1980
INSTANTANEOUS PEAK FLOW			998	May 29	b1170	Jun 8 1985
INSTANTANEOUS PEAK STAGE			3.21	May 29	c2.33	Jun 8 1985
ANNUAL RUNOFF (AC-FT)	43390		27490		32740	
10 PERCENT EXCEEDS	188		103		120	
50 PERCENT EXCEEDS	24		13		13	
90 PERCENT EXCEEDS	5.0		4.5		5.0	

e Estimated.
a Average discharge for 16 years (water years 1951-1956, 1970-1979), 50.7 ft^3/s; 36730 acre-ft/yr, prior to diversion through Charles H. Boustead tunnel.
b From rating curve extended above 300 ft^3/s.
c Maximum gage height for period of record, 4.30 ft, Nov 30, 1984, backwater from ice.

09080190 RUEDI RESERVOIR NEAR BASALT, CO

LOCATION.--Lat 39°21'50", long 106°49'05", in NW$^{1}/_{4}$ sec.18, T.8 S., R.84 W., Pitkin County, Hydrologic Unit 14010004, in gatehouse of Ruedi Dam just upstream from Rocky Fork Creek, and 13 mi east of Basalt.

DRAINAGE AREA.--223 mi^2.

PERIOD OF RECORD.--May 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 7766.00 ft above sea level, (levels by U.S. Bureau of Reclamation); gage readings have been reduced to elevations above sea level.

REMARKS.--Reservoir is formed by an earthfill dam. Storage began in May 1968; dam completed July 16, 1968. Capacity, 102,300 acre-ft, 1969 survey, between elevations 7,540.00 ft, sill of auxiliary outlet and 7,766.00 ft, crest of spillway. Dead storage below elevation 7,540.00 ft, 61 acre-ft. Figures given are total contents.

COOPERATION.--Records provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 104,000 acre-ft, June 11, 12, 2000, elevation, 7,767.62 ft; minimum after first filling, 32,430 acre-ft, Apr. 24, 1996, elevation, 7,670.17 ft.

EXTREMES (AT 2400) FOR CURRENT YEAR.--Maximum contents, 104,000 acre-ft, June 11 and 12, elevation, 7,767.62 ft; minimum contents, 63,640 acre-ft, Apr. 25 and 26, elevation, 7,721.08 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	7758.30	94.880	
Oct. 31	7745.28	83,040	-11,840
Nov. 30	7740.83	79,210	-3,830
Dec. 31	7736.66	75,740	-3,470
CAL YR 1999	-	-	+4,910
Jan. 31	7732.45	72,320	-3,420
Feb. 29	7728.49	69,210	-3,110
Mar. 31	7724.38	66,090	-3,120
Apr. 30	7722.86	64,950	-1,140
May 31	7759.12	95,660	+30,710
June 30	7766.79	103,160	+7,500
July 31	7762.24	98,670	-4,490
Aug. 31	7748.00	85,430	-13,240
Sept. 30	7742.09	80,280	-5,150
WATER YEAR 2000	-	-	-14,600

09080400 FRYINGPAN RIVER NEAR RUEDI, CO

LOCATION.--Lat 39°21'56", long 106°49'30", in $SE^1/_4SE^1/_4$ sec.12, T.8 S., R.85 W., Pitkin County, Hydrologic Unit 14010004, on right bank 0.4 mi downstream from Rocky Fork Creek and Ruedi Dam, 1.5 mi west of former site of Ruedi, and 12.5 mi east of Basalt.

DRAINAGE AREA.--238 mi^2.

PERIOD OF RECORD.--October 1964 to current year. Statistical summary computed for 1969 to current year.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Datum of gage is 7,473.25 ft above sea level, (levels by U.S. Bureau of Reclamation). Prior to Nov. 7, 1970, at site 2.0 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation of hay meadows upstream from station. Transmountain diversions upstream from station to Arkansas River basin through Busk-Ivanhoe Tunnel since June 1925 and Charles H. Boustead Tunnel since May 16, 1972 (see elsewhere in this report). Flow regulated by Ruedi Reservoir (station 09080190) since May 18, 1968. Several observations of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	218	268	96	94	96	98	97	192	181	273	284	206
2	218	232	96	94	96	98	97	192	189	266	284	206
3	218	211	96	94	96	98	146	193	221	259	284	209
4	217	188	96	94	96	98	185	191	218	247	284	209
5	224	172	96	94	96	98	192	143	216	251	284	209
6	241	141	96	94	96	98	192	126	211	284	284	209
7	241	141	96	94	96	98	192	127	209	266	284	208
8	240	87	96	94	96	98	189	127	208	228	282	205
9	240	64	96	94	96	98	189	125	221	230	308	202
10	240	64	96	94	97	98	189	124	318	219	364	202
11	239	64	96	95	96	97	189	129	375	181	361	203
12	268	89	95	96	96	98	189	142	394	181	361	203
13	296	98	95	96	96	97	187	170	388	181	361	203
14	295	98	96	96	96	97	187	168	373	193	360	202
15	296	98	96	96	96	97	186	171	354	230	360	202
16	296	98	97	96	96	97	187	172	347	230	339	201
17	295	97	97	96	96	97	187	175	330	230	297	201
18	295	96	97	96	96	96	187	173	318	230	302	201
19	295	96	97	96	96	97	185	173	320	231	302	201
20	293	96	97	96	96	97	185	172	340	230	302	197
21	291	96	97	96	97	97	186	172	332	187	288	176
22	291	96	96	96	97	96	186	174	320	251	254	158
23	291	96	97	96	97	97	187	180	311	258	255	80
24	291	96	97	96	97	97	184	191	304	257	256	81
25	290	96	96	96	97	97	184	192	300	256	256	82
26	290	96	97	97	97	97	184	182	292	265	256	82
27	290	96	96	97	97	97	184	178	299	284	256	82
28	289	96	95	96	98	98	184	178	298	284	256	82
29	290	96	94	96	98	98	185	183	290	284	256	82
30	290	96	94	96	---	98	188	186	283	284	242	82
31	292	---	94	96	---	97	---	185	---	284	206	---
TOTAL	8360	3458	2976	2957	2796	3019	5389	5186	8760	7534	9068	5066
MEAN	270	115	96.0	95.4	96.4	97.4	180	167	292	243	293	169
MAX	296	268	97	97	98	98	192	193	394	284	364	209
MIN	217	64	94	94	96	96	97	124	181	181	206	80
AC-FT	16580	6860	5900	5870	5550	5990	10690	10290	17380	14940	17990	10050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	155	126	136	132	135	145	165	274	372	272	168	148
MAX	366	185	224	228	250	280	370	669	950	812	293	255
(WY)	1970	1985	1996	1996	1996	1996	1971	1970	1984	1995	2000	1998
MIN	54.8	44.0	38.2	36.8	36.3	33.6	39.1	116	115	95.9	57.1	49.1
(WY)	1978	1969	1969	1969	1969	1977	1969	1990	1992	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1969 - 2000	
ANNUAL TOTAL	66964		64569			
ANNUAL MEAN	183		176		a186	
HIGHEST ANNUAL MEAN					288	1984
LOWEST ANNUAL MEAN					83.9	1977
HIGHEST DAILY MEAN	766	Jun 30	394	Jun 12	1390	Jun 25 1983
LOWEST DAILY MEAN	64	Nov 9	64	Nov 9	b28	Nov 14 1995
ANNUAL SEVEN-DAY MINIMUM	79	Jan 1	81	Nov 8	29	Mar 5 1981
INSTANTANEOUS PEAK FLOW			400	Jun 12	c1400	Sep 16 1976
INSTANTANEOUS PEAK STAGE			2.47	Jun 12	d3.50	Sep 16 1976
ANNUAL RUNOFF (AC-FT)	132800		128100		134600	
10 PERCENT EXCEEDS	291		295		305	
50 PERCENT EXCEEDS	132		181		154	
90 PERCENT EXCEEDS	81		96		82	

a Subsequent to completion of Ruedi Reservoir.
b Minimum daily discharge for period of record, 16 ft^3/s, Feb 2, 1968 (result of storage in Ruedi Reservoir); minimum daily discharge prior to construction of Ruedi Reservoir, 28 ft^3/s, Mar 4, 1966.
c Maximum discharge and stage for period of record, 2690 ft^3/s, Jun 18, 1965, gage height 5.16 ft, site and datum then in use.
d Maximum gage height for statistical period, 3.89 ft, Jun 24, 1983.

392110107011300 ROARING FORK RIVER NEAR BASALT, CO

WATER-QUALITY RECORDS

LOCATION.-- Lat 39°21'10", long 107°01'13", in SE$^1/_4$SW$^1/_4$ sec. 17, T. 8 S., R. 86 W., Pitkin County, Hydrologic Unit 14010004, on left bank at Altamira Ranch Road bridge, 1.2 mi upstream from the Fryingpan River, and 1.3 mi southeast of Basalt.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--December 1999 to June 2000 (seasonal records only).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1999 to June 2000 (seasonal records only).
WATER TEMPERATURE: December 1999 to June 2000 (seasonal records only).

INSTRUMENTATION.--Water quality monitor with satellite telemetry December 1999 to June 2000.

REMARKS.--Specific conductance record is good. Water temperature record is good.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR CURRENT YEAR (seasonal only).--
SPECIFIC CONDUCTANCE: Maximum, 498 microsiemens/cm, Jan. 30; minimum, 129 microsiemens/cm, May 31.
WATER TEMPERATURE: Maximum, 14.4°C, June 15; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
DEC						
22...	1035	e174	472	8.2	.0	3.8
29...	1445	e172	455	8.2	.0	4.8
JAN						
13...	0830	e154	477	--	.0	5.5
13...	1330	e182	476	--	.0	4.7
26...	1400	165	448	8.6	2.9	4.7
FEB						
16...	1430	133	470	8.9	2.5	4.9
MAR						
09...	1130	137	470	8.9	2.8	4.9
APR						
12...	1330	198	393	8.8	9.3	2.5
MAY						
11...	1400	e922	213	8.4	9.6	1.2
JUN						
27...	1630	e680	307	8.5	13.2	1.9

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	461	434	442
2	---	---	---	---	---	---	---	---	---	443	435	440
3	---	---	---	---	---	---	---	---	---	462	443	452
4	---	---	---	---	---	---	---	---	---	487	457	470
5	---	---	---	---	---	---	---	---	---	457	440	447
6	---	---	---	---	---	---	---	---	---	458	444	453
7	---	---	---	---	---	---	---	428	---	492	450	473
8	---	---	---	---	---	---	---	424	---	472	444	455
9	---	---	---	---	---	---	454	---	---	452	441	446
10	---	---	---	---	---	---	439	415	433	449	433	442
11	---	---	---	---	---	---	433	---	---	443	429	437
12	---	---	---	---	---	---	443	---	---	445	434	438
13	---	---	---	---	---	---	460	436	451	457	437	447
14	---	---	---	---	---	---	454	424	443	457	440	448
15	---	---	---	---	---	---	474	454	465	457	433	439
16	---	---	---	---	---	---	460	434	446	441	428	433
17	---	---	---	---	---	---	441	---	---	445	437	441
18	---	---	---	---	---	---	---	---	---	445	438	441
19	---	---	---	---	---	---	433	---	---	446	437	442
20	---	---	---	---	---	---	440	432	435	448	432	443
21	---	---	---	---	---	---	445	439	442	448	438	442
22	---	---	---	---	---	---	---	436	---	442	434	436
23	---	---	---	---	---	---	---	---	---	460	432	442
24	---	---	---	---	---	---	---	---	---	459	435	447
25	---	---	---	---	---	---	---	---	---	446	433	438
26	---	---	---	---	---	---	---	---	---	443	429	437
27	---	---	---	---	---	---	---	---	---	449	434	439
28	---	---	---	---	---	---	---	---	---	453	437	444
29	---	---	---	---	---	---	460	---	---	---	450	---
30	---	---	---	---	---	---	463	436	451	498	---	---
31	---	---	---	---	---	---	473	445	459	483	451	468
MONTH	---	---	---	---	---	---	474	415	447	498	428	446

392110107011300 ROARING FORK RIVER NEAR BASALT, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	455	437	444	462	448	455	463	443	452	308	284	295
2	461	436	449	464	447	454	466	440	454	310	281	291
3	447	427	438	464	448	457	472	438	454	293	243	255
4	444	423	437	472	448	459	466	438	453	250	220	231
5	447	422	435	475	447	457	466	423	444	228	193	208
6	459	425	440	467	446	456	440	415	427	208	---	---
7	465	433	445	467	443	456	426	393	411	---	---	---
8	467	425	446	465	443	452	417	395	407	---	---	---
9	463	434	444	470	445	458	416	385	397	---	---	---
10	457	420	434	463	442	453	395	365	378	---	---	---
11	446	429	433	479	448	463	376	366	371	214	---	---
12	445	437	441	480	439	452	392	372	379	233	190	204
13	446	436	441	483	448	460	393	365	378	255	233	247
14	449	441	444	483	447	459	377	349	361	267	254	259
15	451	436	442	477	446	457	357	334	347	271	260	264
16	475	439	451	468	441	451	371	349	357	271	255	262
17	474	443	449	472	450	459	372	356	365	260	225	236
18	455	444	450	474	443	454	368	328	344	266	248	258
19	477	448	458	496	449	465	345	333	337	282	266	273
20	481	453	466	496	432	454	366	345	352	284	274	279
21	478	438	448	479	449	461	369	339	354	284	267	273
22	457	445	452	480	448	462	350	331	341	276	247	257
23	461	447	453	485	445	464	356	334	344	247	192	213
24	461	448	456	485	444	468	355	343	347	192	163	172
25	462	450	453	479	448	465	371	352	360	181	156	168
26	472	449	460	476	441	462	369	350	358	193	172	182
27	478	443	456	476	445	460	361	320	336	213	193	203
28	478	443	453	469	435	451	326	287	299	205	177	197
29	458	444	453	461	428	445	291	272	279	177	146	161
30	---	---	---	460	433	446	284	270	276	162	131	145
31	---	---	---	455	434	445	---	---	---	167	129	148
MONTH	481	420	447	496	428	457	472	270	372	310	129	227

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	174	134	155	---	---	---	---	---	---	---	---	---
2	182	152	167	---	---	---	---	---	---	---	---	---
3	186	155	170	---	---	---	---	---	---	---	---	---
4	189	157	173	---	---	---	---	---	---	---	---	---
5	191	162	177	---	---	---	---	---	---	---	---	---
6	198	173	185	---	---	---	---	---	---	---	---	---
7	201	168	185	---	---	---	---	---	---	---	---	---
8	207	178	192	---	---	---	---	---	---	---	---	---
9	203	178	192	---	---	---	---	---	---	---	---	---
10	203	172	188	---	---	---	---	---	---	---	---	---
11	212	191	201	---	---	---	---	---	---	---	---	---
12	218	196	207	---	---	---	---	---	---	---	---	---
13	228	206	216	---	---	---	---	---	---	---	---	---
14	252	223	232	---	---	---	---	---	---	---	---	---
15	254	240	248	---	---	---	---	---	---	---	---	---
16	259	236	246	---	---	---	---	---	---	---	---	---
17	269	254	260	---	---	---	---	---	---	---	---	---
18	276	265	269	---	---	---	---	---	---	---	---	---
19	279	262	270	---	---	---	---	---	---	---	---	---
20	264	245	255	---	---	---	---	---	---	---	---	---
21	279	263	270	---	---	---	---	---	---	---	---	---
22	292	275	282	---	---	---	---	---	---	---	---	---
23	299	281	291	---	---	---	---	---	---	---	---	---
24	304	296	298	---	---	---	---	---	---	---	---	---
25	308	293	302	---	---	---	---	---	---	---	---	---
26	309	300	304	---	---	---	---	---	---	---	---	---
27	---	291	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	309	134	228	---	---	---	---	---	---	---	---	---
YEAR	498	129	373									

392110107011300 ROARING FORK RIVER NEAR BASALT, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	.0	.0	.0
2	---	---	---	---	---	---	---	---	---	.0	.0	.0
3	---	---	---	---	---	---	---	---	---	.0	.0	.0
4	---	---	---	---	---	---	---	---	---	.0	.0	.0
5	---	---	---	---	---	---	---	---	---	.0	.0	.0
6	---	---	---	---	---	---	---	---	---	.0	.0	.0
7	---	---	---	---	---	---	.2	.1	.1	.0	.0	.0
8	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
9	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
10	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
11	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
12	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
13	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
14	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
15	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
16	---	---	---	---	---	---	.0	.0	.0	2.1	.0	.6
17	---	---	---	---	---	---	.0	.0	.0	3.2	1.9	2.6
18	---	---	---	---	---	---	.0	.0	.0	2.9	2.6	2.8
19	---	---	---	---	---	---	.0	.0	.0	4.0	2.2	2.9
20	---	---	---	---	---	---	.0	.0	.0	3.1	1.2	2.2
21	---	---	---	---	---	---	.0	.0	.0	1.9	1.3	1.6
22	---	---	---	---	---	---	.1	.1	.1	2.4	.9	1.5
23	---	---	---	---	---	---	---	---	---	1.3	.0	.5
24	---	---	---	---	---	---	---	---	---	.6	.0	.2
25	---	---	---	---	---	---	---	---	---	1.7	.6	1.1
26	---	---	---	---	---	---	---	---	---	3.0	1.1	2.1
27	---	---	---	---	---	---	---	---	---	2.5	.9	1.8
28	---	---	---	---	---	---	---	---	---	.9	.0	.1
29	---	---	---	---	---	---	.1	.1	.1	.0	.0	.0
30	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
31	---	---	---	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	---	---	---	---	---	---	.2	.0	.0	4.0	.0	.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	4.5	.9	2.8	8.5	2.4	5.2	11.8	4.6	8.1
2	.0	.0	.0	4.8	2.8	3.5	6.7	3.1	4.8	13.2	6.3	9.7
3	.0	.0	.0	6.8	1.9	4.1	9.4	2.6	5.7	12.4	6.2	9.6
4	.0	.0	.0	6.4	.8	3.6	11.5	2.7	6.8	12.3	5.9	9.3
5	.2	.0	.0	5.2	1.6	3.3	11.7	4.9	8.2	11.7	5.3	8.8
6	2.0	.0	.8	5.9	1.2	3.6	12.1	6.5	8.9	10.1	5.2	8.1
7	2.2	.0	.9	5.0	3.0	3.9	11.8	6.2	8.6	9.5	6.0	8.0
8	2.4	.0	1.0	5.0	1.2	3.1	11.5	3.8	7.5	8.4	5.8	6.5
9	2.2	.0	1.1	5.1	1.9	3.1	12.1	4.8	8.3	10.1	4.5	7.4
10	2.0	.0	1.0	5.2	.9	2.9	11.8	5.7	8.8	13.0	6.9	9.9
11	3.4	.0	1.6	5.3	.0	2.6	10.1	6.4	8.4	10.9	6.6	8.9
12	3.7	.8	2.1	5.3	1.3	3.3	12.2	4.8	8.3	8.0	4.1	5.7
13	2.7	.4	1.7	6.4	.3	3.2	11.7	5.5	8.6	9.3	2.9	6.0
14	3.5	1.2	2.1	6.5	.8	3.7	11.3	6.3	8.7	9.5	5.4	7.8
15	4.0	1.3	2.5	4.1	1.3	2.7	8.7	6.3	7.1	10.2	6.7	8.6
16	2.8	.0	1.6	6.8	.9	3.4	11.7	4.8	8.0	13.1	7.0	10.0
17	2.6	1.6	2.1	5.0	1.0	3.1	13.4	6.4	9.8	10.9	6.3	7.5
18	3.1	1.2	2.1	5.1	1.1	2.7	9.8	6.5	8.1	7.9	5.6	6.7
19	2.7	.0	1.0	5.6	.0	2.7	7.0	4.5	5.4	11.0	6.0	8.4
20	1.7	.0	.6	5.7	3.0	4.1	11.8	3.5	7.4	12.8	7.5	10.0
21	4.7	.4	2.4	7.7	2.2	4.7	9.4	5.5	7.8	12.7	6.8	9.9
22	3.1	.9	2.2	5.2	2.1	3.6	7.6	5.0	6.2	13.2	7.5	10.5
23	5.1	1.2	3.0	8.1	1.6	4.7	8.9	4.3	6.5	13.1	7.3	10.4
24	4.9	1.6	3.1	9.4	3.4	6.0	9.2	5.4	7.0	11.3	6.7	8.9
25	2.1	.1	.8	8.5	2.7	5.7	11.7	3.1	7.2	9.7	5.7	7.8
26	2.8	.0	1.2	9.0	4.6	6.6	12.6	6.1	9.3	8.3	5.7	6.9
27	4.8	.0	2.3	10.2	3.0	6.5	14.0	6.7	10.3	11.9	5.7	8.6
28	4.6	2.2	3.3	7.7	4.3	6.0	11.4	7.0	9.4	12.9	6.7	9.9
29	6.0	2.0	3.7	9.9	4.6	6.8	10.0	6.5	8.6	12.2	6.8	9.6
30	---	---	---	8.7	4.1	6.2	9.7	6.9	8.2	12.1	5.9	8.9
31	---	---	---	5.8	3.6	4.6	---	---	---	11.9	6.0	8.9
MONTH	6.0	.0	1.5	10.2	.0	4.1	14.0	2.4	7.8	13.2	2.9	8.6

392110107011300 ROARING FORK RIVER NEAR BASALT, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.8	5.9	8.9	---	---	---	---	---	---	---	---	---
2	11.9	6.5	9.2	---	---	---	---	---	---	---	---	---
3	12.4	6.7	9.5	---	---	---	---	---	---	---	---	---
4	12.5	6.6	9.6	---	---	---	---	---	---	---	---	---
5	11.3	6.9	9.3	---	---	---	---	---	---	---	---	---
6	12.4	7.2	9.9	---	---	---	---	---	---	---	---	---
7	13.3	7.3	10.4	---	---	---	---	---	---	---	---	---
8	11.8	8.2	10.2	---	---	---	---	---	---	---	---	---
9	12.3	8.4	10.2	---	---	---	---	---	---	---	---	---
10	12.2	6.7	9.5	---	---	---	---	---	---	---	---	---
11	13.0	7.4	10.2	---	---	---	---	---	---	---	---	---
12	12.1	7.5	10.1	---	---	---	---	---	---	---	---	---
13	11.9	8.3	10.1	---	---	---	---	---	---	---	---	---
14	13.1	7.4	10.3	---	---	---	---	---	---	---	---	---
15	14.4	8.4	11.4	---	---	---	---	---	---	---	---	---
16	13.5	8.5	11.2	---	---	---	---	---	---	---	---	---
17	13.2	7.9	10.7	---	---	---	---	---	---	---	---	---
18	13.1	8.0	10.8	---	---	---	---	---	---	---	---	---
19	11.9	9.6	10.2	---	---	---	---	---	---	---	---	---
20	14.2	8.3	11.0	---	---	---	---	---	---	---	---	---
21	14.3	8.3	11.4	---	---	---	---	---	---	---	---	---
22	14.0	9.1	11.7	---	---	---	---	---	---	---	---	---
23	13.5	9.8	11.6	---	---	---	---	---	---	---	---	---
24	14.3	8.8	11.7	---	---	---	---	---	---	---	---	---
25	13.9	10.0	12.0	---	---	---	---	---	---	---	---	---
26	12.3	10.3	10.9	---	---	---	---	---	---	---	---	---
27	---	9.4	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	14.4	5.9	10.5	---	---	---	---	---	---	---	---	---
YEAR	14.4	.0	4.9									

09081000 ROARING FORK RIVER NEAR EMMA, CO

LOCATION.--Lat 39°22'24", long 107°05'00", in $SW^1/_4NW^1/_4$ sec.11, T.8 S., R.87 W., Eagle County, Hydrologic Unit 14010004, on left bank 10 ft upstream from bridge on Hooks Lane, 1.2 mi downstream from Sopris Creek, and 1.2 mi northwest of Emma.

DRAINAGE AREA.--853 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1908 to September 1909 (monthly discharge only, published in WSP 1313), March 1998 to current year.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,470 ft above sea level, from topographic map. Prior to Mar. 1998, nonrecording gage at different datum.

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation of about 16,000 acres above station. Transmountain diversions to Arkansas River basin through Busk-Ivanhoe tunnel since 1925 and through Twin Lakes tunnel since 1935. Transmountain diversion from headwaters of Fryingpan River through Charles H. Boustead Tunnel to Arkansas River basin began May 16, 1972. Natural flow of stream affected by storage in Ruedi Reservoir on Fryingpan River (station 09080190) since May 1968.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	566	552	281	279	274	231	230	612	2260	876	493	447
2	550	476	283	278	261	235	219	622	2070	856	487	439
3	527	464	276	270	263	232	262	739	2030	809	494	422
4	498	417	259	232	257	232	334	878	1950	761	494	415
5	482	411	232	291	251	242	386	1010	1880	708	490	414
6	497	355	252	265	246	236	416	1120	1790	708	491	429
7	547	351	266	227	243	246	424	1080	1760	662	481	437
8	555	326	280	309	238	241	421	1110	1700	589	470	441
9	569	278	241	286	243	237	434	928	1740	637	469	462
10	555	266	262	281	259	235	462	869	1760	634	541	434
11	536	267	280	285	262	220	453	1090	1660	525	530	404
12	541	274	260	278	246	247	441	1090	1630	493	540	389
13	579	295	254	266	252	228	453	857	1520	476	568	379
14	575	299	285	264	244	230	470	773	1380	486	547	370
15	571	298	232	271	248	238	470	745	1300	625	540	359
16	569	292	287	273	239	236	437	747	1300	891	548	354
17	555	293	304	262	246	229	440	888	1170	1020	498	348
18	565	298	283	268	239	231	484	759	1090	870	516	361
19	575	271	292	277	227	213	475	690	1180	740	555	354
20	573	281	284	260	227	234	441	663	1290	676	553	341
21	583	284	273	262	249	224	448	677	1150	592	544	336
22	582	288	282	265	245	223	483	797	1070	615	508	414
23	593	272	271	252	239	224	533	1190	1030	617	506	336
24	583	237	266	252	240	236	517	1770	990	596	505	322
25	562	245	279	264	237	234	475	1900	979	580	504	309
26	553	295	276	271	231	248	474	1710	998	565	512	310
27	545	290	272	262	234	253	515	1460	1020	582	533	309
28	541	286	268	249	240	261	602	1540	990	568	511	315
29	568	284	267	239	238	269	666	2120	925	553	511	332
30	547	284	260	204	---	265	683	2490	914	540	504	339
31	556	---	261	238	---	254	---	2420	---	521	455	---
TOTAL	17198	9529	8368	8180	7118	7364	13548	35344	42526	20371	15898	11321
MEAN	555	318	270	264	245	238	452	1140	1418	657	513	377
MAX	593	552	304	309	274	269	683	2490	2260	1020	568	462
MIN	482	237	232	204	227	213	219	612	914	476	455	309
AC-FT	34110	18900	16600	16230	14120	14610	26870	70100	84350	40410	31530	22460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	499	298	256	258	241	249	420	1079	1795	1126	633	472
MAX	555	318	270	264	245	260	551	1177	2476	1495	741	547
(WY)	2000	2000	2000	2000	2000	1999	1998	1998	1999	1999	1999	1999
MIN	443	278	242	252	236	238	258	920	1418	657	513	377
(WY)	1999	1999	1999	1999	1999	2000	1999	1999	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1998 - 2000	
ANNUAL TOTAL	253875		196765			
ANNUAL MEAN	696		538		609	
HIGHEST ANNUAL MEAN					680	1999
LOWEST ANNUAL MEAN					538	2000
HIGHEST DAILY MEAN	3320	Jun 25	2490	May 30	3320	Jun 25 1999
LOWEST DAILY MEAN	189	Feb 12	204	Jan 30	e170	Dec 23 1998
ANNUAL SEVEN-DAY MINIMUM	221	Feb 19	225	Mar 17	209	Dec 6 1998
INSTANTANEOUS PEAK FLOW			2950	May 30	8070	Jun 19 1909
INSTANTANEOUS PEAK STAGE			8.81	May 30	a10.40	Jun 19 1909
ANNUAL RUNOFF (AC-FT)	503600		390300		441100	
10 PERCENT EXCEEDS	1880		1040		1510	
50 PERCENT EXCEEDS	464		436		488	
90 PERCENT EXCEEDS	231		238		238	

e Estimated.
a Datum then in use

09081000 ROARING FORK RIVER NEAR EMMA, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
DEC										
03...	1220	274	374	8.5	3.5	10.8	K2	K1	190	59.2
JAN										
12...	1155	276	380	8.7	1.9	12.4	K2	7	--	--
APR										
24...	1630	506	313	8.7	9.5	10.0	K6	170	150	45.7
JUN										
07...	1000	1780	200	8.2	7.8	9.8	93	100	91	28.9
JUL										
25...	1500	576	319	8.6	15.1	8.5	54	67	--	--
AUG										
22...	0945	508	334	8.3	10.3	9.7	60	30	150	48.2

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
DEC										
03...	9.91	3.7	.1	1.1	98	87.8	2.6	.2	7.1	231
JAN										
12...	--	--	--	--	--	--	--	--	--	--
APR										
24...	7.56	3.1	.1	.9	84	67.6	2.0	.2	7.1	185
JUN										
07...	4.49	1.8	.1	.7	60	35.5	.9	.1	5.8	114
JUL										
25...	--	--	--	--	--	--	--	--	--	--
AUG										
22...	8.13	3.1	.1	1.1	94	69.7	2.0	.3	7.9	197

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
DEC										
03...	.31	171	.001	.203	<.002	E.10	E.10	.024	.019	.012
JAN										
12...	--	--	.002	.179	<.002	.14	<.10	.029	.024	.019
APR										
24...	.25	252	.001	.060	.012	.21	.11	.028	.009	.009
JUN										
07...	.16	550	.001	.113	<.002	.12	E.10	.024	.007	.003
JUL										
25...	--	--	.003	.097	.011	.16	.12	.015	.010	.007
AUG										
22...	.27	271	.002	.119	.005	.16	.12	.019	.012	.006

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
DEC										
03...	<.1	<1	50	<1	6	E2	<.2	E1.2	<0.2	<20
APR										
24...	<.1	<1	180	<1	14	4	<.2	<2.4	<0.2	<20
JUN										
07...	<.1	<1	220	<1	14	3	<.2	<2.4	<0.2	<20
AUG										
22...	<.1	<1	80	<1	10	3	<.2	<2.4	<0.2	E12

09081000 ROARING FORK RIVER NEAR EMMA, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
NOV				
30...	1600	286	379	4.6
MAR				
08...	1225	239	382	4.0
JUN				
27...	1400	999	281	12.9
JUL				
13...	1200	477	333	13.3

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
DEC					
03...	1220	274	3.5	2	1.7
APR					
24...	1630	506	9.5	9	12
JUN					
07...	1000	1780	7.8	13	62
27...	1400	999	12.9	4	11
JUL					
25...	1500	576	15.1	6	9.5
AUG					
22...	0945	508	10.3	3	3.6

09081600 CRYSTAL RIVER ABOVE AVALANCHE CREEK, NEAR REDSTONE, CO

LOCATION.--Lat 39°13'56", long 107°13'36", in SE$^1/_4$SW$^1/_4$ sec.33, T.9 S., R.88 W., Pitkin County, Hydrologic Unit 14010004, on right bank 1.2 mi upstream from Avalanche Creek, and 3.6 mi north of Redstone.

DRAINAGE AREA.--167 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,905 ft above sea level, from river-profile map.

REMARKS.--Records good except for estimated daily discharges, which are poor. A few small diversions for irrigation upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	75	59	47	42	45	66	435	1450	325	109	103
2	114	70	60	48	38	45	65	545	1360	324	107	101
3	110	70	61	45	42	46	63	680	1310	310	104	94
4	105	70	55	41	42	49	66	793	1240	286	107	88
5	101	70	44	46	41	53	89	901	1230	248	102	89
6	100	68	52	45	40	50	112	938	1200	237	101	103
7	106	66	54	39	40	51	126	887	1190	228	94	e121
8	109	67	59	42	40	49	139	e940	1150	216	90	e105
9	110	68	48	45	40	49	160	e700	1200	269	89	163
10	105	64	55	44	42	49	191	e580	992	258	90	122
11	101	65	58	43	43	45	193	e680	914	226	107	107
12	96	63	52	43	42	50	203	714	862	213	101	97
13	93	61	44	40	41	47	236	567	765	195	100	94
14	93	61	51	40	42	48	248	497	689	197	96	90
15	90	62	32	40	44	50	230	474	724	273	96	87
16	87	60	55	42	43	49	195	508	712	336	99	84
17	83	62	58	43	46	49	204	608	605	447	115	85
18	85	62	51	48	45	48	243	497	547	285	110	92
19	83	55	53	49	41	45	207	435	644	230	133	84
20	82	61	51	46	41	50	188	429	605	197	136	80
21	81	60	48	45	46	48	214	515	539	178	126	89
22	79	62	48	44	45	49	236	704	503	162	119	124
23	78	54	48	40	44	48	237	1050	463	151	114	104
24	77	44	46	41	44	50	239	1360	424	142	101	106
25	75	50	45	44	44	52	238	1380	407	140	141	96
26	75	76	46	45	40	59	280	1180	419	138	123	93
27	75	68	46	44	44	65	377	941	383	133	127	87
28	73	63	46	39	46	75	466	1100	363	130	114	84
29	79	61	45	36	45	75	477	1490	349	124	111	102
30	71	61	44	26	---	72	456	1690	342	120	110	107
31	75	---	41	31	---	70	---	1570	---	115	109	---
TOTAL	2813	1899	1555	1311	1233	1630	6444	25788	23581	6833	3381	2981
MEAN	90.7	63.3	50.2	42.3	42.5	52.6	215	832	786	220	109	99.4
MAX	122	76	61	49	46	75	477	1690	1450	447	141	163
MIN	71	44	32	26	38	45	63	429	342	115	89	80
AC-FT	5580	3770	3080	2600	2450	3230	12780	51150	46770	13550	6710	5910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	100	73.0	56.5	49.8	49.4	67.0	194	766	1287	636	202	127
MAX	223	152	95.9	85.3	89.9	184	464	1223	2019	1872	640	253
(WY)	1998	1987	1986	1985	1986	1986	1962	1984	1957	1957	1995	1986
MIN	49.7	39.5	36.3	34.1	28.3	32.4	83.4	288	375	96.9	74.6	59.8
(WY)	1978	1978	1978	1978	1964	1964	1964	1977	1977	1977	1977	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1956 - 2000	
ANNUAL TOTAL	98346		79449			
ANNUAL MEAN	269		217		301	
HIGHEST ANNUAL MEAN					468	1957
LOWEST ANNUAL MEAN					107	1977
HIGHEST DAILY MEAN	1570	Jun 22	1690	May 30	3500	Jun 25 1983
LOWEST DAILY MEAN	32	Dec 15	26	Jan 30	a22	Dec 5 1955
ANNUAL SEVEN-DAY MINIMUM	45	Dec 25	36	Jan 28	27	Feb 11 1964
INSTANTANEOUS PEAK FLOW			2010	May 30	4180	Jun 25 1983
INSTANTANEOUS PEAK STAGE			4.34	May 30	6.12	Jun 25 1983
ANNUAL RUNOFF (AC-FT)	195100		157600		218200	
10 PERCENT EXCEEDS	1030		619		957	
50 PERCENT EXCEEDS	108		89		96	
90 PERCENT EXCEEDS	48		44		44	

e Estimated.
a Also occurred Feb 15, 1964, Jan 2 and Feb 17-18, 1978.

09081600 CRYSTAL RIVER ABOVE AVALANCHE CREEK, NEAR REDSTONE, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1996 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value: K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
DEC										
03...	0940	61	652	7.6	4.0	10.9	K1	K1	290	97.9
JAN										
13...	1050	40	720	7.8	3.1	11.1	<1	K1	--	--
APR										
25...	1630	227	387	8.2	11.2	9.1	--	--	160	52.2
JUN										
07...	1420	1020	169	8.0	10.3	8.9	K3	K3	73	23.7
JUL										
25...	1720	139	386	7.9	16.0	7.9	14	22	--	--
AUG										
22...	1520	113	445	8.0	18.0	7.7	K31	K15	180	59.6

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
DEC										
03...	10.8	23.5	.6	1.9	192	10.8	.3	9.6	425	.58
JAN										
13...	--	--	--	--	--	--	--	--	--	--
APR										
25...	7.98	12.0	.4	1.1	76.5	3.3	.1	7.1	227	.31
JUN										
07...	3.24	3.4	.2	.5	23.0	.9	.1	4.5	94	.13
JUL										
25...	--	--	--	--	--	--	--	--	--	--
AUG										
22...	7.68	15.2	.5	1.4	107	5.6	.3	7.7	269	.37

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
DEC									
03...	70.1	<.001	.078	.002	<.10	<.10	<.008	<.006	<.001
JAN									
13...	--	<.001	.093	.009	E.10	<.10	<.008	<.006	<.001
APR									
25...	139	<.001	.055	.005	.17	E.10	.021	<.006	<.001
JUN									
07...	260	.001	.085	.006	E.10	<.10	.019	<.006	.002
JUL									
25...	--	<.001	.037	.051	E.10	E.10	<.008	<.006	.004
AUG									
22...	82.1	<.001	.053	.011	.20	<.10	.076	<.006	.001

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
DEC										
03...	<.1	<1	60	<1	11	11	<.2	<2.4	<1	<20
APR										
25...	<.1	<1	480	<1	14	5	<.2	<2.4	<1	<20
JUN										
07...	<.1	<1	340	<1	13	3	E.1	<2.4	<1	<20
AUG										
22...	<.1	<1	2110	<1	45	8	<.2	<2.4	<1	E12

09081600 CRYSTAL RIVER ABOVE AVALANCHE CREEK, NEAR REDSTONE, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
DEC					JUN				
01...	1110	58	663	4.4	28...	0845	378	251	8.5
MAR									
08...	0935	49	719	3.5					

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
AUG					
22...	1520	113	18.0	102	31

09083800 CRYSTAL RIVER BELOW CARBONDALE, CO

LOCATION.--Lat 39°24'29", long 107°13'47", in $NE^1/_4NW^1/_4$ sec.33, T.7 S., R.88 W., Garfield County, Hydrologic Unit 14010004, on left bank at downstream side of bridge on County Road 108, 1.0 mi upstream from mouth, and 1.0 mi northwest of Carbondale.

DRAINAGE AREA.--350 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May to September 2000.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,120 ft above sea level, from topographical map.

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation of about 4,000 acres upstream and downstream from station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period May to September, 3,510 ft^3/s at 0030 May 30, gage height, 4.40 ft; minimum daily, 38 ft^3/s, Sept. 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	2500	405	70	82
2	---	---	---	---	---	---	---	---	2320	396	60	87
3	---	---	---	---	---	---	---	---	2170	377	57	79
4	---	---	---	---	---	---	---	---	2010	336	56	69
5	---	---	---	---	---	---	---	---	1950	278	52	63
6	---	---	---	---	---	---	---	---	1820	242	52	75
7	---	---	---	---	---	---	---	---	1830	226	49	98
8	---	---	---	---	---	---	---	---	1760	200	43	81
9	---	---	---	---	---	---	---	---	1860	265	47	155
10	---	---	---	---	---	---	---	---	1470	251	50	120
11	---	---	---	---	---	---	---	---	1310	212	55	127
12	---	---	---	---	---	---	---	---	1210	193	54	110
13	---	---	---	---	---	---	---	---	1050	176	57	96
14	---	---	---	---	---	---	---	---	874	166	51	71
15	---	---	---	---	---	---	---	---	950	255	49	53
16	---	---	---	---	---	---	---	---	973	348	52	50
17	---	---	---	---	---	---	---	---	778	550	68	47
18	---	---	---	---	---	---	---	676	676	361	67	56
19	---	---	---	---	---	---	---	555	862	280	96	44
20	---	---	---	---	---	---	---	522	865	231	119	38
21	---	---	---	---	---	---	---	637	718	197	116	42
22	---	---	---	---	---	---	---	929	651	177	115	109
23	---	---	---	---	---	---	---	1650	604	162	92	86
24	---	---	---	---	---	---	---	2420	554	151	74	87
25	---	---	---	---	---	---	---	2470	523	140	101	74
26	---	---	---	---	---	---	---	2110	545	123	112	77
27	---	---	---	---	---	---	---	1560	509	123	156	73
28	---	---	---	---	---	---	---	1780	478	116	143	72
29	---	---	---	---	---	---	---	2600	438	114	128	74
30	---	---	---	---	---	---	---	2980	425	102	136	93
31	---	---	---	---	---	---	---	2770	---	85	124	---
TOTAL	---	---	---	---	---	---	---	---	34683	7238	2501	2388
MEAN	---	---	---	---	---	---	---	---	1156	233	80.7	79.6
MAX	---	---	---	---	---	---	---	---	2500	550	156	155
MIN	---	---	---	---	---	---	---	---	425	85	43	38
AC-FT	---	---	---	---	---	---	---	---	68790	14360	4960	4740

09083800 CRYSTAL RIVER BELOW CARBONDALE, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1976 to January 1978. January to September 2000.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN										
12...	1445	102	626	8.5	5.2	11.6	K1	<1	290	94.9
APR										
25...	1350	328	367	8.5	8.8	9.8	--	--	160	50.1
JUN										
06...	1530	1520	189	8.2	11.2	8.8	K12	K21	83	26.7
JUL										
26...	0915	121	499	8.3	12.6	8.7	47	--	--	--
AUG										
22...	1235	104	534	8.3	16.6	7.7	300	480	240	77.1

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
JAN										
12...	13.6	17.6	.4	2.0	172	7.3	.2	11.3	405	.55
APR										
25...	8.08	9.7	.3	1.1	72.4	2.7	.1	8.4	217	.29
JUN										
06...	3.85	3.4	.2	.6	26.7	1.2	.1	5.1	107	.15
JUL										
26...	--	--	--	--	--	--	--	--	--	--
AUG										
22...	12.4	11.0	.3	1.8	113	4.3	.2	11.2	330	.45

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
JAN										
12...	111	<.001	.124	<.002	--	E.10	<.10	<.008	<.006	<.001
APR										
25...	192	<.001	.089	.006	.10	.27	.11	.080	<.006	.005
JUN										
06...	438	.001	.112	.002	--	.11	<.10	.029	E.003	.002
JUL										
26...	--	.001	.182	.009	--	.23	E.10	.012	E.004	.003
AUG										
22...	92.6	.001	.317	.020	--	.66	E.10	.196	E.005	.004

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
JAN										
12...	<.1	<1	50	<1	5	2	<.2	<2.4	<1	<20
APR										
25...	<.1	<1	1100	<1	37	E1	<.2	<2.4	<1	<20
JUN										
06...	<.1	<1	420	<1	17	3	E.1	<2.4	<1	<20
AUG										
22...	<.1	<1	7380	<1	162	2	<.2	<2.4	<1	E11

09083800 CRYSTAL RIVER BELOW CARBONDALE, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
MAY					AUG				
18...	0940	691	288	6.0	04...	1100	59	565	15.3
JUL									
11...	1345	206	387	17.0					

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
AUG					
22...	1235	104	16.6	397	111

09085000 ROARING FORK RIVER AT GLENWOOD SPRINGS, CO

LOCATION.--Lat 39°32'37", long 107°19'44", in $SW^1/_4SE^1/_4$ sec.9, T.6 S., R.89 W., Garfield County, Hydrologic Unit 14010004, on left bank at Glenwood Springs, 2,100 ft upstream from mouth.

DRAINAGE AREA.--1,451 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1905 to September 1909, September 1910 to current year. Monthly discharge only for some periods, published in WSP 1313. Prior to October 1960, published as Roaring Fork at Glenwood Springs. Statistical summary computed for 1972 to current year.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,720.73 ft above sea level. Prior to Nov. 20, 1915, nonrecording gage on highway bridge 800 ft downstream, at different datum. Nov. 20, 1915 to Oct. 26, 1917, nonrecording gage at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 35,000 acres. Transmountain diversions to Arkansas River basin through Busk-Ivanhoe tunnel since 1925, Twin Lakes tunnel since 1935, and Charles H. Boustead tunnel since 1972. Natural flow of stream affected by storage in Ruedi Reservoir on Fryingpan River (station 09080190) since May 1968.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	926	839	545	462	447	417	473	1390	4720	1430	654	746
2	890	783	554	474	418	422	469	1460	4300	1400	628	730
3	850	777	547	463	439	417	466	1770	4160	1340	636	707
4	832	721	517	422	433	418	541	2070	3890	1250	650	689
5	800	713	473	480	428	431	614	2430	3770	1150	658	662
6	797	667	482	e450	421	432	683	2600	3540	1120	674	687
7	849	645	507	e380	412	437	720	2540	3560	1080	668	725
8	923	626	531	e500	412	445	743	2620	3410	1010	650	751
9	899	592	490	485	421	432	787	2140	3500	1090	639	792
10	888	570	493	455	439	435	863	1860	3290	1080	667	784
11	856	563	533	462	475	407	876	2230	2970	962	695	752
12	840	559	501	457	449	443	876	2280	2870	899	706	714
13	879	569	482	438	451	429	926	1820	2650	865	737	689
14	873	571	513	430	437	424	1010	1610	2340	829	758	663
15	864	573	477	438	443	432	1040	1500	2270	1010	750	613
16	864	570	592	446	433	435	947	1490	2330	1280	763	589
17	867	573	531	441	447	422	915	1790	2040	1590	757	578
18	866	586	501	453	445	420	1030	1580	1870	1370	764	587
19	869	549	503	483	423	397	1010	1420	2070	1130	811	590
20	865	546	496	463	400	435	927	1310	2260	1010	829	566
21	877	574	483	457	438	428	952	1410	1980	911	836	556
22	888	577	483	460	441	428	1020	1690	1840	869	810	644
23	887	550	481	437	431	425	1100	2520	1760	863	786	660
24	868	503	469	426	427	439	1130	3870	1670	834	776	655
25	847	489	477	457	428	441	1050	4230	1650	824	748	607
26	836	569	475	465	406	464	1090	3720	1670	798	788	574
27	818	584	464	455	414	489	1240	2930	1670	800	846	561
28	812	563	463	429	423	516	1500	3020	1620	784	827	546
29	834	552	457	405	418	535	1580	4350	1520	764	799	541
30	823	547	450	375	---	520	1540	5320	1470	734	809	586
31	824	---	441	373	---	507	---	5130	---	710	781	---
TOTAL	26611	18100	15411	13821	12499	13722	28118	76100	78660	31786	22900	19544
MEAN	858	603	497	446	431	443	937	2455	2622	1025	739	651
MAX	926	839	592	500	475	535	1580	5320	4720	1590	846	792
MIN	797	489	441	373	400	397	466	1310	1470	710	628	541
AC-FT	52780	35900	30570	27410	24790	27220	55770	150900	156000	63050	45420	38770

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	750	674	574	509	483	542	833	2264	4138	2448	1009	751
MAX	1159	969	790	677	689	861	1602	4663	7383	7483	2676	1160
(WY)	1985	1985	1985	1996	1986	1986	1985	1984	1984	1995	1995	1995
MIN	384	411	382	371	315	298	352	593	1139	422	316	363
(WY)	1978	1978	1978	1978	1977	1977	1977	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1972 - 2000	
ANNUAL TOTAL	440887		357272			
ANNUAL MEAN	1208		976		a1250	
HIGHEST ANNUAL MEAN					2092	1984
LOWEST ANNUAL MEAN					485	1977
HIGHEST DAILY MEAN	5650	Jun 25	5320	May 30	b11800	Jul 12 1995
LOWEST DAILY MEAN	397	Feb 12	373	Jan 31	c,d248	Aug 11 1977
ANNUAL SEVEN-DAY MINIMUM	435	Mar 8	412	Jan 28	258	Aug 9 1977
INSTANTANEOUS PEAK FLOW			6240	May 30	f13000	Jul 13 1995
INSTANTANEOUS PEAK STAGE			5.99	May 30	g8.31	Jul 13 1995
ANNUAL RUNOFF (AC-FT)	874500		708600		905400	
10 PERCENT EXCEEDS	3350		2000		3020	
50 PERCENT EXCEEDS	800		689		685	
90 PERCENT EXCEEDS	451		431		439	

e Estimated.
a Average discharge for 65 years (water years 1906-09, 1911-71), 1368 ft^3/s; 991100 acre-ft/yr, prior to diversion through Charles H. Boustead tunnel.
b Maximum daily discharge for period of record, 16600 ft^3/s, Jun 30, 1957.
c Minimum daily discharge for period of record, 179 ft^3/s, Jan 21, 1935; minimum discharge during the day of Jan 21, 1935, 145 ft^3/s, gage height,0.65 ft.
d Also occurred Aug 12, 1977.
f Maximum discharge for period of record, 19000 ft^3/s, Jul 1, 1957, gage height, 8.65 ft.
g Maximum gage height for period of record, 8.7 ft, Jun 14, 1921, from floodmarks.

09085000 ROARING FORK RIVER AT GLENWOOD SPRINGS, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1958 to August 1961, May 1962 to September 1967, January 1970 to May 1972, January 1980 to September 1984, October 1993 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1962 to September 1967, January 1980 to September 1984.
WATER TEMPERATURE: May 1962 to May 1967, January 1980 to September 1984.

INSTRUMENTATION:.--Water-quality monitor January 1980 to September 1984.

REMARKS.--Daily maximum and minimum specific-conductance data available in district office.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count;- M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,160 microsiemens, July 12, 1981; minimum, 132 microsiemens, July 9, 1983,
WATER TEMPERATURE: Maximum, 23.0°C Aug. 3, 1981; minimum, 0.0°C on many days during winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
DEC										
02...	1440	560	595	8.7	5.6	10.9	30	K18	250	79.2
JAN										
14...	1140	428	588	8.7	2.2	14.2	K14	K14	--	--
APR										
24...	1230	1130	391	8.3	7.9	10.0	K18	45	160	50.9
JUN										
06...	1150	3620	233	8.2	9.6	9.4	44	55	97	30.9
JUL										
26...	1110	806	545	8.7	14.6	10.3	73	--	--	--
AUG										
21...	1225	841	562	8.3	14.6	8.8	670	630	220	66.9

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
DEC										
02...	13.1	25.7	.7	1.5	132	126	32.4	.2	8.9	367
JAN										
14...	--	--	--	--	--	--	--	--	--	--
APR										
24...	8.71	11.4	.4	1.2	101	74.1	10.3	.1	8.0	226
JUN										
06...	4.76	5.7	.3	.7	67	36.9	5.6	.1	5.8	131
JUL										
26...	--	--	--	--	--	--	--	--	--	--
AUG										
21...	11.7	22.9	.7	1.7	132	105	29.5	.2	9.8	328

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
DEC										
02...	.50	554	.002	.159	<.002	E.10	.10	.009	E.005	<.001
JAN										
14...	--	--	.002	.189	<.002	.14	<.10	.013	E.004	<.001
APR										
24...	.31	690	.003	.141	.020	.41	.14	.071	.009	.008
JUN										
06...	.18	1280	.001	.116	.005	.17	E.10	.033	.007	.003
JUL										
26...	--	--	.001	.078	.007	.19	.13	.013	.007	.004
AUG										
21...	.45	744	.002	.187	.017	1.3	.13	.381	.009	.015

09085000 ROARING FORK RIVER AT GLENWOOD SPRINGS, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
DEC										
02...	<.1	<1	50	<1	6	3	<.2	<2.4	<.2	<20
APR										
24...	<.1	<1	870	<1	40	4	<.2	<2.4	<.2	<20
JUN										
06...	<.1	<1	420	<1	20	4	<.2	<2.4	<.2	<20
AUG										
21...	<.1	E1	10500	<1	316	3	<.2	<2.4	<.2	<20

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
05...	1430	804	546	10.5
NOV				
15...	1250	571	621	4.7
MAR				
10...	1025	443	584	3.5
JUL				
14...	0945	809	535	15.4

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
AUG				
21...	1225	841	681	1550

09085100 COLORADO RIVER BELOW GLENWOOD SPRINGS, CO

LOCATION.--Lat 39°33'18", long 107°20'13", in $NW^1/_4NW^1/_4$ sec.9, T.6 S., R.89 W., Garfield County, Hydrologic Unit 14010005, on left bank 0.6 mi downstream from Roaring Fork River and 1.0 mi northwest of Post Office in Glenwood Springs.

DRAINAGE AREA.--6,013 mi^2.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,700.75 ft above sea level, Colorado State Highway Department benchmark.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by transmountain diversions, storage reservoirs, power development, and diversions for irrigation of 110,000 acres.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3090	2970	1660	1420	1380	1460	1650	4290	12100	3910	2390	2410
2	3050	2810	1680	1520	1380	1450	1610	4380	11400	3730	2340	2380
3	2940	2660	1670	1480	1430	1460	1590	5150	10700	3560	2440	2340
4	2880	2480	1620	1230	1470	1460	1540	5950	9860	3510	2570	2460
5	2810	2290	1480	1420	1460	1480	1630	6880	8870	3300	2570	2450
6	2470	2200	1400	1400	1440	1490	1850	7720	8160	3100	2550	2480
7	2720	2040	1490	1190	1440	1510	2130	7960	8040	2940	2500	2390
8	3100	2030	1620	1340	1430	1520	2270	8170	7600	2800	2460	2340
9	3140	1880	1510	1480	1430	1510	2290	7380	7490	2940	2440	2380
10	3120	1870	1450	1540	1480	1500	2460	6590	6980	3060	2450	2330
11	3080	1840	1620	1570	1510	1460	2560	7110	6340	2860	2500	2200
12	3040	1820	1530	1600	1500	1480	2410	7500	6060	2690	2510	2090
13	2960	1840	1420	1520	1520	1490	2490	6710	5660	2630	2570	2080
14	2810	1820	1410	1480	1500	1450	2640	6070	5180	2510	2580	2060
15	2830	1810	1240	1500	1510	1540	2750	5630	5400	2660	2540	2030
16	2830	1820	1460	1530	1510	1420	2660	5420	5630	2960	2500	2010
17	2870	1810	1730	1560	1520	1450	2510	5600	5330	3670	2540	2120
18	2870	1810	1560	1580	1530	1450	2650	5170	5090	3650	2660	2150
19	2910	1810	1620	1650	1490	1410	2710	4700	5200	3270	2790	2150
20	2900	1740	1660	1610	1430	1450	2580	4470	6070	2850	2840	2130
21	2960	1730	1630	1600	1470	1450	2530	4480	6360	2670	2690	2140
22	2970	1770	1600	1550	1510	1430	2610	4910	5740	2580	2570	2400
23	2940	1730	1500	1490	1500	1440	2840	6370	5200	2550	2450	2490
24	2930	1560	1450	1420	1490	1470	3020	9160	4990	2630	2410	2250
25	2900	1390	1400	1520	1480	1490	2960	10500	4670	2620	2350	2180
26	2910	1610	1410	1530	1430	1520	2970	10200	4630	2570	2510	2090
27	2970	1830	1380	1520	1430	1570	3230	9160	4870	2660	2700	1790
28	2940	1780	1380	1410	1470	1610	3940	9110	4700	2570	2680	1700
29	2960	1720	1400	1300	1460	1770	4340	11000	4510	2520	2660	1670
30	3020	1710	1370	1250	---	1700	4450	12800	4220	2430	2800	1700
31	3010	---	1340	1210	---	1680	---	12500	---	2450	2710	---
TOTAL	90930	58180	46690	45420	42600	46570	77870	223040	197050	90850	79270	65390
MEAN	2933	1939	1506	1465	1469	1502	2596	7195	6568	2931	2557	2180
MAX	3140	2970	1730	1650	1530	1770	4450	12800	12100	3910	2840	2490
MIN	2470	1390	1240	1190	1380	1410	1540	4290	4220	2430	2340	1670
AC-FT	180400	115400	92610	90090	84500	92370	154500	442400	390800	180200	157200	129700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2153	1919	1616	1521	1502	1730	2742	7075	10500	5735	2925	2302
MAX	3082	2703	2487	2192	2209	2814	5113	15570	20710	15180	5975	3716
(WY)	1985	1985	1985	1985	1986	1986	1996	1984	1984	1995	1984	1984
MIN	1394	1186	1162	1142	1023	1018	1571	2146	2781	1755	1674	1647
(WY)	1978	1978	1967	1995	1981	1977	1977	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1967 - 2000	
ANNUAL TOTAL	1255660		1063860			
ANNUAL MEAN	3440		2907		3482	
HIGHEST ANNUAL MEAN					6276	1984
LOWEST ANNUAL MEAN					1638	1977
HIGHEST DAILY MEAN	12300	Jun 9	12800	May 30	30200	May 25 1984
LOWEST DAILY MEAN	1200	Feb 12	1190	Jan 7	870	Feb 11 1981
ANNUAL SEVEN-DAY MINIMUM	1280	Mar 9	1340	Jan 28	978	Mar 10 1977
INSTANTANEOUS PEAK FLOW			13800	May 30	31500	May 25 1984
INSTANTANEOUS PEAK STAGE			8.41	May 30	12.49	May 25 1984
ANNUAL RUNOFF (AC-FT)	2491000		2110000		2522000	
10 PERCENT EXCEEDS	9350		5640		8040	
50 PERCENT EXCEEDS	2550		2390		2120	
90 PERCENT EXCEEDS	1410		1440		1350	

09089500 WEST DIVIDE CREEK NEAR RAVEN, CO

LOCATION.--Lat 39°19'52", long 107°34'46", in $NE^1/_4SW^1/_4$ sec.29, T.8 S., R.91 W., Mesa County, Hydrologic Unit 14010005, on left bank 10 ft downstream from private road bridge, 0.8 mi upstream from Brook Creek, 8 mi south of Raven, and 16 mi south of Silt.

DRAINAGE AREA.--64.6 mi^2.

PERIOD OF RECORD.--October 1955 to September 1999. October 1999 to September 2000 (seasonal records only). Water-quality data available, May 1986 to September 1990. Sediment data available, October 1989 to September 1990.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,050 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by water imported from Thompson Creek (Roaring Fork basin), Muddy Creek (Muddy Creek basin), and Buzzard Creek (Plateau Creek basin). Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,410 ft^3/s, May 14, 1984, from rating curve extended above 670 ft^3/s, gage height, 5.83 ft; minimum daily, no flow at times in most years.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 316 ft^3/s, at 2145 May 5, gage height, 4.12 ft; minimum daily, 0.10 ft^3/s, Aug. 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	---	---	---	---	---	e12	173	118	13	.31	1.1
2	3.4	---	---	---	---	---	e13	182	103	12	.25	1.0
3	3.3	---	---	---	---	---	e13	190	99	11	.23	.72
4	3.1	---	---	---	---	---	e17	215	92	8.4	.25	.58
5	3.1	---	---	---	---	---	e25	239	88	6.9	.26	.54
6	3.1	---	---	---	---	---	e33	223	80	6.1	.24	.57
7	3.8	---	---	---	---	---	e40	217	75	5.5	.21	.71
8	3.9	---	---	---	---	---	e48	207	70	5.3	.18	.95
9	3.5	---	---	---	---	---	e58	174	66	7.5	.13	.95
10	3.4	---	---	---	---	---	e70	172	58	6.8	.13	.96
11	3.2	---	---	---	---	---	e67	188	51	4.9	.10	.69
12	3.0	---	---	---	---	---	e76	167	44	3.9	.12	.55
13	2.9	---	---	---	---	---	e88	149	40	3.6	.12	.47
14	2.8	---	---	---	---	---	102	128	36	3.2	.11	.39
15	2.7	---	---	---	---	---	96	121	33	2.8	.15	.30
16	2.6	---	---	---	---	---	71	124	30	2.4	.17	.26
17	2.4	---	---	---	---	---	95	129	28	3.0	.29	.24
18	2.9	---	---	---	---	---	110	110	26	4.4	.52	.41
19	3.0	---	---	---	---	---	78	100	35	2.6	1.2	.50
20	2.7	---	---	---	---	---	69	102	47	1.8	1.5	.54
21	2.8	---	---	---	---	---	95	106	30	1.4	1.7	.64
22	3.0	---	---	---	---	---	e90	111	26	1.2	4.7	1.2
23	3.0	---	---	---	---	---	e98	123	23	.98	2.8	1.2
24	2.9	---	---	---	---	---	e108	131	23	.74	1.6	1.3
25	2.8	---	---	---	---	---	e112	130	20	.70	1.1	1.2
26	2.8	---	---	---	---	---	e130	114	22	.68	1.0	1.1
27	2.8	---	---	---	---	---	e155	105	24	.58	.86	1.0
28	2.8	---	---	---	---	---	e180	104	18	.53	1.0	.89
29	4.0	---	---	---	---	---	189	109	16	.45	1.3	.92
30	3.3	---	---	---	---	---	173	109	15	.39	1.5	1.1
31	4.0	---	---	---	---	---	---	126	---	.35	1.5	---
TOTAL	96.5	---	---	---	---	---	2511	4578	1436	123.10	25.53	22.98
MEAN	3.11	---	---	---	---	---	83.7	148	47.9	3.97	.82	.77
MAX	4.0	---	---	---	---	---	189	239	118	13	4.7	1.3
MIN	2.4	---	---	---	---	---	12	100	15	.35	.10	.24
AC-FT	191	---	---	---	---	---	4980	9080	2850	244	51	46

e Estimated.

09095500 COLORADO RIVER NEAR CAMEO, CO

LOCATION.--Lat 39°14'20", long 108°16'00", in SW$^1/_4$SW$^1/_4$ sec.30, T.9 S., R.97 W., Mesa County, Hydrologic Unit 14010006, on left bank 100 ft north of Interstate 70, 0.5 mi upstream from Jackson Canyon, 5.9 mi upstream from Grand Valley project diversion dam, and 7 mi northeast of Cameo.

DRAINAGE AREA.--8,050 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1933 to current year.

REVISED RECORDS.--WRD Colo. 1973: 1970.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 4,813.73 ft above sea level, (levels by Colorado Department of Highways). Prior to Oct. 10, 1934, nonrecording gage on river and water-stage recorder on Highline Canal, about 10 mi downstream at different datum. Oct. 10, 1934 to Feb. 27, 1958, water-stage recorder at site 3.0 mi downstream at datum 22.55 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are fair. Natural flow of stream affected by transmountain diversions, storage reservoirs, power development, and diversion for irrigation of about 160,000 acres.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3080	3040	1900	1640	1580	1780	2160	4420	14700	4170	2300	2750
2	3050	2970	1870	1750	1710	1770	2120	4340	13900	3950	2230	2550
3	2970	2820	1920	1830	1710	1750	2070	4850	13000	3790	2260	2480
4	2890	2710	1880	1720	1770	1770	2070	5890	11900	3650	2400	2520
5	2850	2560	1790	1510	1780	1790	2010	7120	10600	3620	2530	2620
6	2650	2470	1620	1760	1750	1800	2240	8500	9560	3380	2500	2620
7	2700	2350	1620	1550	1730	1840	2490	9150	9110	3240	2480	2610
8	2980	2230	1770	1470	1740	1900	2740	9410	8700	3070	2500	2620
9	3120	2220	1840	1800	1720	1980	2840	9060	8300	3040	2510	2590
10	3110	2120	1680	1950	1790	1970	2880	7540	8030	3170	2520	2550
11	3060	2090	1690	1940	1970	1890	3030	7350	7080	3100	2560	2440
12	3020	2060	1860	1890	1920	1850	3030	8300	6460	2910	2620	2340
13	3000	2030	1740	1870	1920	1900	e3050	7890	6030	2750	2690	2270
14	2870	2040	1610	1780	1880	1870	3060	6700	5460	2660	2700	2220
15	2850	2010	1560	1770	1840	1840	e3100	6000	5150	2570	2660	2180
16	2880	2020	1470	1800	1800	1980	e3120	5630	5590	2770	2590	2130
17	2920	2030	1810	1910	1970	1810	e3080	5670	5420	3160	2570	2160
18	2960	2020	1980	1970	2010	1830	3020	5740	5190	3360	2680	2320
19	2980	2020	1840	2020	1890	1800	3140	4980	5080	3150	2860	2370
20	2980	1990	1880	2090	1830	1800	3090	4600	5820	2800	2880	2360
21	3000	1970	1890	2010	1770	1860	2980	4540	6550	2490	2870	2350
22	3000	2030	1920	2000	1840	1830	2980	4850	6330	2370	2690	2490
23	2980	2010	1870	1900	1870	1800	3120	6070	5340	2310	2580	2740
24	2970	1940	1780	1820	1840	1830	3280	9270	5220	2330	2490	2650
25	2950	1730	1730	1820	1830	1860	3320	12100	4740	2430	2470	2500
26	2960	1620	1680	2070	1760	1880	3320	12700	4660	2420	2470	2430
27	2950	1940	1640	1970	1730	1950	3370	11600	4830	2410	2710	2340
28	3000	2060	1630	1870	1840	2010	3740	10700	4840	2460	2810	2030
29	2980	1980	1640	1730	1840	2150	4280	12200	4700	2360	2750	1960
30	3010	1930	1690	1580	---	2280	4510	15000	4460	2320	2870	1980
31	3040	---	1660	1540	---	2200	---	15400	---	2280	2970	---
TOTAL	91760	65010	54460	56330	52630	58570	89240	247570	216750	90490	80720	72170
MEAN	2960	2167	1757	1817	1815	1889	2975	7986	7225	2919	2604	2406
MAX	3120	3040	1980	2090	2010	2280	4510	15400	14700	4170	2970	2750
MIN	2650	1620	1470	1470	1580	1750	2010	4340	4460	2280	2230	1960
AC-FT	182000	128900	108000	111700	104400	116200	177000	491100	429900	179500	160100	143100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2156	1958	1713	1600	1611	1822	3204	9212	12630	5902	2871	2217
MAX	3732	3253	3002	2621	2775	3365	8615	20290	25830	17430	6571	4271
(WY)	1985	1985	1985	1985	1986	1986	1962	1984	1984	1957	1984	1984
MIN	1084	1038	1004	940	941	1020	1730	2536	2959	1515	1332	1243
(WY)	1935	1935	1935	1964	1935	1935	1961	1977	1977	1934	1940	1934

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1934 - 2000	
ANNUAL TOTAL	1388260		1175700			
ANNUAL MEAN	3803		3212		3913	
HIGHEST ANNUAL MEAN					7605	1984
LOWEST ANNUAL MEAN					1937	1977
HIGHEST DAILY MEAN	15100	Jun 10	15400	May 31	38000	May 26 1984
LOWEST DAILY MEAN	1470	Mar 11	1470	Dec 16	700	Dec 29 1939
ANNUAL SEVEN-DAY MINIMUM	1520	Mar 9	1650	Dec 26	852	Dec 24 1939
INSTANTANEOUS PEAK FLOW			16400	May 30	39300	May 26 1984
INSTANTANEOUS PEAK STAGE			9.14	May 30	14.36	May 26 1984
ANNUAL RUNOFF (AC-FT)	2754000		2332000		2835000	
10 PERCENT EXCEEDS	10800		5840		9670	
50 PERCENT EXCEEDS	2750		2470		2150	
90 PERCENT EXCEEDS	1700		1760		1380	

e Estimated.

09095500 COLORADO RIVER NEAR CAMEO, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1933 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1935 to current year.
WATER TEMPERATURE: April 1949 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1982.

REMARKS.--Daily water temperature record is good except for the period of July 24-27, which is poor. Daily specific conductance record is good, except for the period Aug. 13 to Sept. 9, which is fair, and July 18-23, which is poor. Missing daily data were due to sensor fouling or instrument malfunctions. Previous to water year 1995, daily maximum and minimum specific conductance data are available in district office.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,970 microsiemens, Jan. 19, 1940; minimum, 190 microsiemens, June 17-18, 1993.
WATER TEMPERATURE: Maximum, 28.5°C July 22, 1989; minimum, 0.0°C on many days during winter months.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,320 microsiemens, Dec. 29; minimum, 269 microsiemens, May 31, June 1.
WATER TEMPERATURE: Maximum, 24.9°C, July 15; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT										
05...	1230	2840	793	8.6	11.7	9.4	190	55.3	13.0	81.7
NOV										
30...	1320	1920	1100	8.5	3.4	11.5	250	70.7	17.8	120
JAN										
20...	1245	2040	1080	8.3	4.2	11.1	230	62.8	17.0	123
MAR										
08...	1045	1920	1080	8.2	6.1	8.6	240	65.4	17.7	134
APR										
21...	1115	2940	732	8.4	11.1	9.3	180	50.7	12.1	77.7
MAY										
09...	1030	9240	333	8.0	9.7	8.7	100	30.7	6.81	24.3
31...	1205	15100	282	8.0	13.9	8.2	96	28.5	6.12	16.5
JUL										
27...	0940	2400	885	8.3	20.7	7.4	200	57.8	13.0	92.1
SEP										
01...	0945	2840	805	8.1	17.9	7.3	190	56.9	12.3	80.5

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT										
05...	3	2.6	117	98.9	113	.3	6.4	441	.60	3380
NOV										
30...	3	3.6	148	135	171	.3	7.4	614	.84	3180
JAN										
20...	4	3.8	142	134	175	.3	9.3	610	.83	3360
MAR										
08...	4	3.6	146	138	172	.3	7.1	626	.85	3240
APR										
21...	3	3.3	119	85.9	104	.2	8.0	413	.56	3280
MAY										
09...	1	1.4	82	34.9	30.1	.1	8.1	185	.25	4620
31...	.7	1.1	71	31.2	21.4	<.1	6.5	154	.21	6280
JUL										
27...	3	3.0	126	103	133	.3	7.1	485	.66	3140
SEP										
01...	3	3.4	120	102	113	.3	10.0	449	.61	3440

09095500 COLORADO RIVER NEAR CAMEO, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	740	722	731	784	775	779	1100	1090	1090	1220	1180	1200
2	743	728	735	791	772	781	1110	1100	1100	1220	1170	1190
3	749	734	741	825	785	803	1110	1100	1110	1180	1140	1160
4	793	743	763	856	820	834	1110	1100	1100	1180	1150	1160
5	795	782	788	894	851	867	1120	1100	1100	1180	1150	1170
6	822	788	798	937	883	913	1140	1110	1130	1270	1180	1240
7	894	822	868	960	923	937	1200	1140	1190	1260	1190	1220
8	886	809	843	1020	960	977	1220	1180	1200	1250	1200	1230
9	809	740	760	1120	1020	1060	1190	1140	1170	1300	1240	1270
10	757	744	750	1060	1010	1040	1150	1130	1140	1240	1150	1200
11	762	743	752	1070	1060	1060	1190	1150	1180	1160	1090	1130
12	767	749	757	1080	1060	1070	1180	1140	1170	1100	1070	1090
13	775	757	765	1080	1020	1040	1140	1110	1120	1190	1080	1120
14	799	760	775	1090	1060	1070	1200	1120	1170	1120	1030	1060
15	838	799	815	1070	1050	1060	1260	1140	1220	1120	1060	1100
16	839	828	833	1080	1060	1070	1250	1210	1240	1120	1120	1120
17	835	821	828	1090	1070	1080	1280	1210	1250	1120	1110	1110
18	831	819	825	1080	1070	1070	1210	1080	1130	1110	1090	1100
19	831	819	826	1080	1070	1070	1100	1070	1080	1100	1090	1090
20	829	813	821	1080	1060	1070	1150	1100	1120	1090	1070	1080
21	826	813	821	1090	1060	1080	1100	1060	1080	1070	1050	1060
22	819	804	811	1100	1080	1090	1080	1060	1070	1080	1060	1070
23	826	803	812	1100	1080	1100	1100	1050	1080	1070	1040	1060
24	824	809	817	1100	1080	1090	1110	1060	1100	1100	1070	1080
25	824	810	818	1120	1080	1100	1170	1100	1140	1090	1050	1080
26	833	815	823	1200	1120	1170	1190	1130	1160	1050	961	1020
27	837	816	826	1240	1180	1220	1220	1160	1190	1010	1000	1010
28	834	816	822	1180	1080	1130	1220	1170	1190	1030	1010	1020
29	822	803	813	1080	1060	1070	1320	1180	1210	1020	1010	1020
30	821	786	812	1100	1060	1080	1240	1170	1210	1060	1020	1050
31	786	766	777	---	---	---	1220	1170	1200	1150	1060	1100
MONTH	894	722	798	1240	772	1030	1320	1050	1150	1300	961	1120

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1110	1100	1100	1150	1120	1140	945	930	937	505	462	496
2	1110	1040	1090	1150	1130	1140	952	938	945	518	502	510
3	1040	1020	1030	1140	1120	1130	960	943	954	512	462	491
4	1030	981	1020	1130	1100	1130	977	953	964	462	401	425
5	997	968	986	1140	1110	1120	982	958	972	401	362	383
6	984	966	977	1120	1100	1110	998	945	969	362	336	350
7	988	966	977	1110	1090	1100	971	889	921	336	324	329
8	988	974	979	1100	1070	1080	917	841	872	331	318	325
9	977	966	974	1070	1000	1050	841	808	822	354	321	335
10	975	940	965	1000	932	958	811	787	797	429	354	386
11	971	935	956	981	960	971	800	763	779	413	391	401
12	965	946	953	982	962	977	768	747	757	391	366	374
13	1040	956	1000	999	976	986	779	736	751	404	360	374
14	1070	1040	1060	985	960	973	778	740	753	450	404	428
15	1100	1070	1080	991	967	985	742	708	719	492	450	473
16	1140	1100	1130	989	973	982	---	---	---	504	492	498
17	1140	1110	1130	978	944	962	---	---	---	509	492	504
18	1140	1110	1120	1010	961	978	766	751	758	492	453	464
19	1130	1110	1120	978	957	970	766	735	746	501	465	483
20	1140	1110	1130	974	958	970	738	728	733	524	501	515
21	1140	1110	1130	980	971	975	760	734	746	532	523	529
22	1170	1120	1150	982	964	974	769	757	762	528	499	518
23	1160	1120	1140	977	964	971	761	698	746	499	433	475
24	1150	1120	1130	978	962	973	726	636	687	433	327	384
25	1150	1120	1130	978	964	969	675	645	655	338	299	310
26	1140	1110	1130	977	964	971	652	638	645	341	294	304
27	1140	1110	1130	984	963	974	652	633	644	341	305	320
28	1160	1120	1140	990	963	979	633	564	609	360	341	354
29	1160	1120	1140	981	960	971	564	476	520	357	312	342
30	---	---	---	967	918	949	491	468	479	312	273	294
31	---	---	---	940	911	928	---	---	---	282	269	276
MONTH	1170	935	1070	1150	911	1010	998	468	773	532	269	408

09095500 COLORADO RIVER NEAR CAMEO, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	288	269	279	596	575	584	921	908	915	828	820	823
2	292	275	286	621	596	607	917	906	910	886	819	851
3	296	282	290	637	620	627	922	913	918	923	872	887
4	306	284	297	655	637	645	922	888	905	939	877	890
5	329	300	317	667	654	659	888	847	868	939	839	863
6	352	323	340	722	653	682	847	835	839	897	819	851
7	368	346	356	737	720	726	837	824	831	860	845	850
8	369	346	358	769	737	751	835	825	830	923	841	855
9	381	361	370	794	768	782	831	816	824	912	868	881
10	383	366	374	790	767	783	827	819	822	881	865	872
11	416	381	400	767	751	760	824	808	816	888	861	871
12	444	412	430	790	754	770	1040	804	825	909	875	887
13	455	432	444	810	790	799	1100	840	935	928	897	909
14	484	451	466	834	810	828	840	813	822	982	928	953
15	512	478	495	850	824	841	822	790	800	949	895	916
16	506	469	486	847	813	837	798	786	791	959	938	948
17	476	467	469	813	776	791	806	791	797	963	945	954
18	491	471	484	779	728	750	827	791	811	962	927	943
19	531	488	506	738	726	732	842	803	822	928	910	919
20	527	478	503	775	731	748	825	805	813	920	890	908
21	478	435	457	828	770	799	807	788	797	914	906	910
22	453	428	439	862	828	843	804	779	788	924	912	917
23	497	453	474	880	862	870	817	799	807	924	859	897
24	506	497	502	895	869	880	851	815	827	866	850	859
25	538	497	518	903	877	890	869	851	859	882	856	872
26	547	533	540	880	867	875	886	869	876	903	882	889
27	546	539	543	901	879	889	891	871	883	918	899	905
28	547	531	538	903	878	890	882	847	865	984	918	931
29	550	530	544	890	881	886	861	808	829	1040	984	1020
30	576	548	561	903	887	892	818	798	807	1040	1020	1030
31	---	---	---	921	903	910	852	790	827	---	---	---
MONTH	576	269	436	921	575	785	1100	779	841	1040	819	902
YEAR	1320	269	860									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	12.7	9.9	11.2	8.3	6.3	7.2	3.6	2.2	3.0	.0	.0	.0
2	12.9	10.4	11.6	8.0	6.3	7.1	4.4	2.7	3.6	.8	.0	.2
3	13.3	10.7	12.0	7.7	5.6	6.5	4.1	2.6	3.4	.5	.0	.1
4	12.9	10.2	11.5	7.5	5.3	6.3	3.0	1.4	2.2	.0	.0	.0
5	12.7	9.8	11.3	7.6	5.0	6.3	2.1	.3	1.3	.0	.0	.0
6	12.6	10.8	11.7	7.6	4.9	6.3	1.4	.0	.7	.0	.0	.0
7	12.5	11.2	11.7	7.4	5.0	6.3	.9	.0	.4	.0	.0	.0
8	13.1	10.3	11.6	7.8	5.2	6.5	1.4	.0	.6	.0	.0	.0
9	13.2	10.6	11.8	7.9	5.7	6.9	.7	.0	.1	.0	.0	.0
10	13.3	10.7	11.9	7.3	4.9	6.3	.8	.0	.3	.0	.0	.0
11	13.4	11.0	12.1	7.0	4.8	6.0	1.7	.1	.9	.2	.0	.0
12	13.2	11.0	12.1	6.6	4.1	5.5	1.9	.2	1.0	1.2	.0	.5
13	13.1	10.8	11.9	6.0	3.7	5.0	1.2	.0	.4	2.5	.5	1.5
14	12.9	10.4	11.6	5.7	3.2	4.6	.0	.0	.0	2.4	.6	1.6
15	12.0	9.9	10.9	5.4	2.9	4.3	.0	.0	.0	2.9	.9	2.0
16	10.5	8.5	9.5	5.3	2.9	4.2	.0	.0	.0	2.7	2.0	2.5
17	9.2	6.9	8.1	5.1	3.1	4.2	.2	.0	.0	3.2	2.2	2.7
18	9.1	6.9	7.9	5.9	4.1	5.0	.2	.0	.0	3.8	2.9	3.3
19	8.5	6.7	7.7	5.1	3.3	4.3	.2	.0	.0	4.6	3.1	3.8
20	8.8	6.4	7.6	4.0	2.4	3.0	.6	.0	.2	4.7	3.2	3.9
21	9.3	6.8	7.9	2.8	1.3	2.1	.6	.0	.2	3.7	3.0	3.3
22	9.4	7.2	8.2	3.4	2.2	2.8	.5	.0	.1	4.4	2.7	3.5
23	9.4	7.2	8.3	2.8	1.3	2.2	.1	.0	.0	3.5	2.1	2.9
24	9.3	7.1	8.1	2.1	.4	1.4	.1	.0	.0	3.0	2.1	2.6
25	9.2	6.9	8.0	1.6	.2	.9	.4	.0	.1	2.7	2.2	2.5
26	9.0	6.8	7.9	2.1	.2	1.2	.5	.0	.1	3.4	2.6	3.0
27	9.0	6.9	7.9	3.5	1.8	2.6	.4	.0	.1	3.4	2.4	2.9
28	8.1	6.9	7.6	4.1	2.1	3.1	.5	.0	.1	2.7	1.1	2.0
29	8.5	7.4	7.8	4.6	2.5	3.6	.5	.0	.1	2.8	.9	1.9
30	8.2	6.3	7.2	3.9	2.5	3.2	.3	.0	.0	2.0	.1	1.2
31	8.2	6.3	7.2	---	---	---	.0	.0	.0	1.2	.0	.7
MONTH	13.4	6.3	9.7	8.3	.2	4.5	4.4	.0	.6	4.7	.0	1.6

09095500 COLORADO RIVER NEAR CAMEO, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.2	.3	1.2	6.8	5.2	6.1	10.6	6.6	8.6	13.7	11.1	12.5
2	2.6	.6	1.7	7.5	5.5	6.5	10.5	7.8	9.1	14.7	12.1	13.4
3	3.1	.5	1.9	8.6	5.3	6.9	11.1	6.8	9.0	15.4	12.7	14.1
4	3.0	1.2	2.2	9.1	5.7	7.5	12.5	7.8	10.0	15.4	12.6	14.2
5	3.0	1.1	2.1	8.6	6.3	6.9	13.3	9.1	11.3	15.1	12.3	13.9
6	3.6	1.1	2.4	6.8	5.0	5.9	14.5	10.8	12.6	14.2	12.0	13.2
7	4.3	1.6	3.1	7.2	6.5	6.8	14.2	10.6	12.4	13.3	11.8	12.4
8	4.2	2.0	3.3	6.5	5.3	6.0	13.5	10.2	11.9	11.8	10.3	10.9
9	4.0	2.5	3.0	7.3	5.7	6.4	13.7	10.0	11.9	11.9	9.1	10.5
10	3.0	2.0	2.4	7.9	5.0	6.3	14.0	10.4	12.1	13.3	10.5	11.9
11	3.9	2.3	3.1	7.3	4.4	5.9	14.3	10.6	12.4	12.9	11.5	12.2
12	3.8	3.1	3.5	8.4	5.9	7.1	14.5	11.0	12.7	12.0	10.4	11.4
13	3.5	2.6	3.2	9.3	6.1	7.6	14.6	11.1	12.7	11.0	8.1	9.7
14	4.4	3.0	3.6	9.5	6.1	7.9	13.0	11.4	12.2	11.3	8.6	10.1
15	5.4	3.2	4.1	8.6	5.8	6.9	11.7	11.0	11.4	12.9	9.8	11.4
16	4.8	3.3	4.2	8.1	4.5	6.3	---	---	---	13.3	11.3	12.3
17	4.6	4.2	4.3	7.3	5.6	6.7	---	---	---	13.6	11.7	12.5
18	4.8	3.4	4.1	7.9	4.9	6.3	12.8	---	---	12.1	10.2	10.9
19	5.7	3.1	4.4	7.4	4.4	6.1	11.0	9.1	10.0	13.0	9.7	11.3
20	5.1	3.4	4.4	7.0	5.1	5.8	12.1	7.8	9.8	14.7	11.9	13.2
21	5.3	3.5	4.4	7.8	4.0	5.9	11.7	9.9	10.9	15.0	13.0	14.1
22	6.5	4.6	5.4	7.6	5.4	6.6	12.2	10.1	11.1	16.0	13.5	14.8
23	6.1	4.2	5.3	8.3	5.5	7.0	13.0	9.6	11.3	16.7	14.0	15.5
24	5.9	4.8	5.6	10.9	7.0	8.9	13.7	10.8	12.0	16.2	13.7	14.7
25	4.8	3.5	4.1	11.1	7.7	9.5	13.2	9.9	11.5	13.7	12.2	12.9
26	4.7	2.4	3.7	11.9	8.6	10.3	13.3	10.8	12.0	12.6	10.7	11.4
27	5.9	2.7	4.4	12.4	8.7	10.6	15.5	11.5	13.4	13.0	9.7	11.3
28	6.3	4.8	5.6	11.1	9.5	10.1	15.6	13.1	14.2	15.1	11.3	13.1
29	7.1	4.9	6.1	11.2	8.4	9.8	14.4	12.8	13.6	15.8	13.1	14.4
30	---	---	---	10.2	8.1	9.3	13.6	10.9	12.3	14.9	12.7	13.9
31	---	---	---	8.1	7.2	7.7	---	---	---	14.8	12.3	13.6
MONTH	7.1	.3	3.7	12.4	4.0	7.3	15.6	6.6	11.6	16.7	8.1	12.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.9	12.0	13.5	21.4	18.7	19.9	24.1	19.9	21.9	19.6	17.4	18.5
2	15.3	12.1	13.8	21.0	19.2	20.1	24.2	20.9	22.5	19.4	16.5	17.8
3	15.5	12.2	14.0	20.7	18.9	19.9	23.8	20.4	22.0	19.2	16.1	17.7
4	16.0	12.9	14.4	20.9	18.7	19.8	24.4	21.0	22.6	19.5	16.1	17.8
5	16.2	13.2	14.7	20.7	18.1	19.3	23.7	20.8	22.3	18.1	16.9	17.4
6	16.7	13.5	15.0	20.9	17.9	19.4	23.7	20.0	21.8	18.2	16.4	17.2
7	17.1	13.6	15.4	21.4	18.5	19.9	23.5	20.0	21.7	19.2	16.1	17.7
8	17.1	14.3	15.8	22.3	19.6	20.7	23.6	19.7	21.7	18.7	17.1	17.9
9	16.4	14.4	15.5	22.3	19.3	20.8	24.1	19.7	21.8	18.5	15.5	17.1
10	16.4	13.4	15.0	23.2	19.9	21.4	24.3	20.4	22.3	19.2	15.9	17.4
11	16.9	13.3	15.2	23.5	20.4	21.9	24.3	20.2	22.4	18.9	15.5	17.2
12	16.6	14.0	15.5	23.0	20.5	21.6	24.4	21.1	22.6	19.5	15.4	17.4
13	17.8	14.2	15.9	24.2	19.9	22.0	23.1	19.9	21.5	19.9	15.9	18.0
14	17.6	14.3	16.1	24.8	21.0	22.9	23.4	20.1	21.7	20.0	16.1	18.1
15	18.2	15.4	16.9	24.9	21.2	22.9	23.2	19.5	21.4	20.1	16.2	18.2
16	18.3	15.6	17.1	24.0	20.5	22.4	23.3	19.9	21.6	20.1	16.2	18.2
17	18.1	14.9	16.6	22.8	21.2	21.9	23.3	20.2	21.7	18.9	16.5	17.8
18	17.5	14.9	16.2	22.4	19.7	21.0	22.4	19.7	21.0	19.7	16.5	18.0
19	16.7	15.1	16.0	22.3	19.1	20.7	22.4	19.4	20.8	19.6	16.6	18.1
20	17.6	14.9	16.1	22.6	18.9	20.8	22.3	19.6	20.8	19.2	15.8	17.6
21	17.9	14.5	16.2	23.3	19.1	21.2	21.7	19.5	20.5	17.7	15.2	16.1
22	18.0	15.4	16.8	23.2	19.3	21.3	20.7	18.3	19.6	16.2	13.9	15.1
23	18.1	16.0	17.2	23.5	19.4	21.4	21.6	18.4	19.9	15.2	11.8	13.5
24	18.3	16.3	17.4	23.1	19.9	21.4	22.2	18.7	20.5	13.0	10.7	11.7
25	19.2	16.9	17.9	22.4	19.0	20.9	22.3	19.0	20.7	13.7	10.2	12.0
26	18.0	16.0	16.7	23.3	19.8	21.6	22.4	19.6	20.9	14.3	10.7	12.5
27	18.1	14.9	16.3	24.2	20.3	22.2	22.1	18.8	20.6	15.0	11.1	13.1
28	18.7	16.2	17.5	24.3	20.5	22.4	22.0	19.8	20.8	15.6	12.2	14.0
29	19.3	16.8	18.0	23.8	19.8	21.8	22.4	19.1	20.8	16.1	14.0	15.1
30	20.4	17.8	18.9	23.2	19.9	21.7	21.2	19.7	20.4	17.0	13.9	15.5
31	---	---	---	23.6	19.4	21.5	20.7	18.4	19.6	---	---	---
MONTH	20.4	12.0	16.1	24.9	17.9	21.2	24.4	18.3	21.3	20.1	10.2	16.5
YEAR	24.9	.0	10.6									

09105000 PLATEAU CREEK NEAR CAMEO, CO

LOCATION.--Lat 39°11'00", long 108°16'02", in $SW^1/_4SW^1/_4$ sec.18, T.10 S., R.97 W., Mesa County, Hydrologic Unit 14010005, on left bank 300 ft from State Highway 65, 1.15 mi upstream from mouth, and 4.0 mi northeast of Cameo.

DRAINAGE AREA.--592 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1935 to September 1983. October 1985 to current year. Prior to May 1936, monthly discharges only, published in WSP 1313.

REVISED RECORDS.--WSP 979: 1942. WSP 2124: Drainage area. WDR CO-83-2: 1973 (M), 1975 (M).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,840 ft above sea level, from topographic map. Prior to Aug. 27, 1936, nonrecording gage.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation of about 25,000 acres, return flow from irrigated areas, and for power development.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	123	115	e96	e79	e130	185	408	159	59	44	e56
2	157	121	118	e94	e80	e130	198	452	145	57	42	e54
3	151	119	116	e92	e88	e135	199	526	127	57	45	e52
4	148	118	99	e86	e90	e135	205	529	116	51	45	e50
5	147	117	94	e92	e88	e130	276	631	106	48	44	e52
6	144	115	104	e90	e88	e125	280	717	93	47	45	e55
7	150	115	114	e88	e89	e120	329	580	85	44	43	e62
8	158	116	113	e92	e88	e120	285	552	84	45	41	e60
9	150	118	101	e96	e86	e120	306	409	78	57	42	e65
10	145	116	123	e94	e88	e110	348	341	83	57	44	e76
11	141	115	111	e96	e88	e120	327	464	82	54	44	e70
12	139	113	107	e92	e88	e130	323	395	73	52	46	e66
13	137	111	105	e88	e90	e120	367	348	68	51	46	e62
14	135	112	112	e88	e92	e120	396	313	67	50	48	e60
15	133	112	97	e88	e96	e130	380	302	68	49	e47	e58
16	132	110	118	e90	e100	e120	304	290	62	48	e46	56
17	131	112	e120	e98	e110	e120	315	342	60	53	e47	55
18	133	112	e110	e100	e100	e120	423	308	55	55	e50	70
19	134	99	106	e110	e100	e110	336	279	72	47	e57	57
20	131	102	100	e100	e110	e125	253	230	82	43	e64	51
21	131	108	e98	e98	e110	e120	301	226	73	41	e62	65
22	130	121	e96	e92	e110	e120	323	239	64	43	e58	73
23	129	102	e96	e88	e115	e125	290	270	64	41	e55	65
24	126	104	e94	e88	e110	140	373	324	66	39	e54	92
25	127	105	e90	e90	e110	144	382	338	65	43	e55	72
26	125	116	e94	e90	e115	132	409	325	70	42	e69	75
27	124	121	e92	e88	e120	172	453	284	90	41	e68	71
28	124	117	e92	e82	e130	184	579	227	80	43	e64	67
29	131	115	e90	e74	e130	171	587	205	69	42	e60	68
30	125	113	e88	e72	---	133	467	194	62	45	e58	70
31	124	---	e90	e70	---	201	---	178	---	46	e58	---
TOTAL	4254	3398	3203	2802	2888	4112	10199	11226	2468	1490	1591	1905
MEAN	137	113	103	90.4	99.6	133	340	362	82.3	48.1	51.3	63.5
MAX	162	123	123	110	130	201	587	717	159	59	69	92
MIN	124	99	88	70	79	110	185	178	55	39	41	50
AC-FT	8440	6740	6350	5560	5730	8160	20230	22270	4900	2960	3160	3780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	117	104	87.6	78.3	83.5	109	247	683	523	124	81.6	95.8
MAX	333	207	148	117	148	220	759	1825	2975	796	328	255
(WY)	1942	1987	1942	1998	1958	1998	1942	1942	1983	1995	1983	1997
MIN	25.2	37.3	42.1	41.4	42.8	58.3	71.9	33.8	19.8	16.6	13.4	17.4
(WY)	1978	1978	1991	1961	1978	1964	1990	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1936 - 2000	
ANNUAL TOTAL	68020		49536			
ANNUAL MEAN	186		135		196	
HIGHEST ANNUAL MEAN					542	1983
LOWEST ANNUAL MEAN					48.8	1977
HIGHEST DAILY MEAN	1030	May 31	717	May 6	4100	Jun 25 1983
LOWEST DAILY MEAN	e70	Jan 5	39	Jul 24	8.2	Aug 15 1977
ANNUAL SEVEN-DAY MINIMUM	73	Jan 4	41	Jul 21	9.1	Aug 10 1977
INSTANTANEOUS PEAK FLOW			950	May 6	5580	Jun 15 1973
INSTANTANEOUS PEAK STAGE			4.60	May 6	a7.99	Jun 15 1973
ANNUAL RUNOFF (AC-FT)	134900		98250		141700	
10 PERCENT EXCEEDS	354		310		427	
50 PERCENT EXCEEDS	131		102		99	
90 PERCENT EXCEEDS	97		50		47	

e Estimated.
a Maximum gage height, 8.73 ft, Jun 16, 1995.

09105000 PLATEAU CREEK NEAR CAMEO, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1968 to August 1979, November 1993 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1994 to current year.
WATER TEMPERATURE: June 1994 to current year.

INSTRUMENTATION.--Water-quality monitor since June 1994.

REMARKS.-- Daily record of specific conductance is good, except for the periods Nov. 19 to Dec. 29, Mar. 23-28, Apr. 6-17, Sept. 15-30, which are fair, and Sept. 1, 4-7 which are poor. Daily record of water temperature is good except for the periods Apr. 21 to July 11, and Sept. 15-30, which are fair. Interruptions in daily record are due to sensor fouling or missing transmissions. Daily maximum and minimum specific conductance data from June 1994 to September 1995 available in district office.

Note: The following remark codes may appear in the tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 2020 microsiemens, Aug. 11, 1999, minimum, 160 microsiemens several days in June 1995.
WATER TEMPERATURE: Maximum, 27.8°C, July 26, 27, 2000; minimum, 0.0°C on many days during winter months.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 809 microsiemens/cm, Aug. 25; minimum, 212 microsiemens/cm, May 6.
WATER TEMPERATURE: Maximum, 27.8°C, July 26, 27; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT										
04...	1500	145	644	8.6	12.0	9.6	270	54.8	32.7	41.9
NOV										
30...	1450	108	694	8.8	3.1	11.5	280	58.1	33.4	49.1
JAN										
20...	1015	114	659	8.4	2.6	12.1	250	52.5	30.0	52.3
MAR										
02...	1320	131	630	8.5	7.2	9.1	250	52.0	28.6	50.8
APR										
21...	1340	314	396	8.5	9.2	10.2	160	42.0	14.3	21.4
MAY										
09...	1315	404	299	8.3	11.5	9.0	130	32.5	10.9	15.8
JUN										
01...	1250	169	403	8.5	18.1	8.4	160	38.7	16.6	22.9
JUL										
26...	0915	41	688	8.4	20.5	8.0	240	34.2	37.3	57.8
AUG										
31...	1230	e59	753	8.4	19.9	7.7	290	55.4	37.0	55.4

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT										
04...	1	4.0	282	55.6	4.5	.5	28.9	392	.53	153
NOV										
30...	1	4.1	288	73.0	6.7	.5	26.6	424	.58	124
JAN										
20...	1	4.5	292	81.8	7.3	.4	26.7	430	.59	132
MAR										
02...	1	3.5	280	77.4	6.5	.5	23.3	410	.56	145
APR										
21...	.7	2.5	184	28.4	2.8	.2	15.2	237	.32	201
MAY										
09...	.6	2.0	140	20.2	2.1	.2	15.1	183	.25	199
JUN										
01...	.8	2.7	197	31.4	2.5	.3	18.3	252	.34	115
JUL										
26...	2	6.0	293	75.3	6.7	.6	25.8	420	.57	46.5
AUG										
31...	1	5.8	320	69.3	7.3	.6	36.6	459	.62	73.1

09105000 PLATEAU CREEK NEAR CAMEO, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	597	561	581	671	642	658	652	633	642	605	530	563
2	611	590	600	671	643	659	653	628	639	530	510	517
3	615	596	607	674	647	662	640	622	631	---	---	---
4	627	602	615	674	653	666	655	626	633	---	---	---
5	629	603	619	679	655	668	682	650	665	---	---	---
6	638	617	629	679	653	668	704	651	674	---	---	---
7	633	618	626	684	654	670	658	627	641	---	---	---
8	619	590	606	687	658	675	634	609	617	---	---	---
9	613	589	601	684	660	672	645	616	631	---	---	---
10	621	587	606	678	656	668	655	613	632	---	---	---
11	621	593	609	678	659	670	619	605	610	---	---	---
12	624	597	612	681	661	672	626	611	618	---	---	---
13	630	602	616	682	667	675	631	616	623	---	---	---
14	631	603	618	684	670	678	649	619	636	---	---	---
15	638	611	626	683	673	678	682	638	662	---	---	---
16	636	613	625	709	676	684	673	624	653	---	---	---
17	641	616	630	700	685	693	624	594	608	---	---	---
18	639	620	631	702	690	698	619	603	611	---	---	---
19	640	621	631	693	677	685	625	608	617	---	---	---
20	648	618	632	694	680	687	622	611	617	---	---	---
21	652	625	638	689	659	675	631	614	622	---	---	---
22	649	625	636	671	640	657	631	614	623	---	---	---
23	655	622	637	686	647	669	638	613	626	---	---	---
24	658	628	642	720	671	694	638	609	624	---	---	---
25	658	628	643	716	684	698	635	607	620	---	---	---
26	658	630	643	691	653	673	629	606	616	---	---	---
27	663	632	648	653	646	649	627	605	616	---	---	---
28	668	637	651	661	644	649	634	609	622	---	---	---
29	667	639	656	656	645	651	655	625	640	---	---	---
30	666	644	655	653	638	646	657	623	641	---	---	---
31	668	644	657	---	---	---	650	600	628	---	---	---
MONTH	668	561	627	720	638	672	704	594	630	605	510	540

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	322	306	312
2	---	---	---	---	---	---	---	---	---	325	291	307
3	---	---	---	637	621	631	---	---	---	304	270	284
4	---	---	---	645	612	631	---	---	---	292	263	276
5	---	---	---	639	618	626	---	---	---	282	245	260
6	---	---	---	622	597	609	---	---	---	269	212	237
7	---	---	---	609	589	597	478	364	399	283	216	248
8	---	---	---	600	588	593	420	320	344	300	262	275
9	---	---	---	605	581	591	399	300	335	326	300	313
10	---	---	---	611	587	596	409	316	373	339	324	331
11	---	---	---	611	585	597	409	286	338	324	237	272
12	---	---	---	611	585	594	418	333	366	290	274	282
13	---	---	---	609	583	597	393	344	376	314	289	302
14	---	---	---	604	587	599	401	299	346	326	313	320
15	---	---	---	601	593	597	357	291	318	331	319	326
16	---	---	---	601	585	593	390	357	372	329	317	322
17	---	---	---	601	581	593	397	353	373	318	284	302
18	---	---	---	599	577	587	381	313	336	308	284	295
19	---	---	---	596	570	582	375	335	347	330	308	319
20	---	---	---	593	563	577	423	371	393	359	329	348
21	---	---	---	599	560	578	428	378	398	368	353	362
22	---	---	---	617	587	598	386	368	376	361	335	350
23	---	---	---	606	564	585	402	375	388	344	315	328
24	---	---	---	614	571	591	401	337	359	325	287	308
25	---	---	---	598	556	579	356	326	341	321	303	311
26	---	---	---	596	552	576	353	315	330	339	307	322
27	---	---	---	588	552	568	337	298	317	361	338	348
28	---	---	---	585	558	573	321	270	290	382	359	369
29	---	---	---	---	---	---	299	267	282	403	382	395
30	---	---	---	---	---	---	311	287	295	404	398	401
31	---	---	---	---	---	---	---	---	---	404	391	397
MONTH	---	---	---	645	552	594	478	267	350	404	212	317

09105000 PLATEAU CREEK NEAR CAMEO, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	421	398	411	636	619	628	647	629	641	696	---	---
2	453	418	433	641	619	632	650	633	639	---	---	---
3	476	447	463	645	628	636	661	636	650	---	---	---
4	493	465	477	644	618	634	675	645	655	677	663	668
5	528	489	504	637	618	628	677	634	653	684	666	676
6	552	504	525	641	618	631	657	639	650	698	682	692
7	567	516	540	639	623	631	654	631	645	---	---	---
8	587	554	567	646	617	632	665	640	652	---	---	---
9	593	575	583	647	622	634	668	640	656	---	---	---
10	598	576	588	641	622	632	673	651	662	---	---	---
11	598	578	588	658	621	635	686	646	671	---	---	---
12	603	579	591	658	632	648	709	677	698	---	---	---
13	611	596	603	672	632	649	707	684	698	---	---	---
14	614	600	607	662	636	648	706	672	689	---	---	---
15	612	602	608	666	633	646	717	676	696	---	---	---
16	624	609	617	667	635	649	717	690	703	688	666	681
17	626	619	623	676	637	659	712	692	705	670	651	664
18	629	620	625	672	630	655	---	---	---	703	630	662
19	642	620	630	657	624	642	---	---	---	703	668	682
20	666	642	653	675	622	655	713	673	694	670	648	663
21	665	645	653	678	662	670	805	664	704	648	629	641
22	662	647	653	681	665	672	799	725	751	674	627	651
23	665	650	654	683	658	671	738	704	724	677	669	673
24	658	642	651	687	663	676	743	701	721	680	662	672
25	650	629	642	715	679	697	809	715	754	685	667	676
26	639	629	635	691	668	678	782	745	762	693	674	683
27	652	633	643	686	664	677	748	719	741	695	676	686
28	639	621	630	680	658	666	721	702	712	697	679	688
29	627	619	622	677	648	664	727	705	717	697	688	692
30	634	618	626	677	655	666	761	710	729	702	687	694
31	---	---	---	663	642	655	774	695	741	---	---	---
MONTH	666	398	588	715	617	651	809	629	694	703	627	675
YEAR	809	212	579									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	13.3	7.2	10.6	7.9	3.7	6.1	5.1	1.8	3.4	.0	.0	.0
2	13.3	7.9	11.0	7.2	3.2	5.6	5.0	2.6	3.9	.2	.0	.0
3	13.6	8.5	11.4	6.7	2.3	4.8	4.2	2.4	3.3	---	---	---
4	13.0	6.7	10.3	7.0	2.5	5.0	2.4	.0	1.1	---	---	---
5	13.3	6.6	10.3	7.1	2.6	5.1	.5	.0	.0	---	---	---
6	13.8	9.6	11.7	7.0	2.7	5.1	.2	.0	.0	---	---	---
7	12.8	10.4	11.3	7.1	2.8	5.2	1.1	.0	.3	---	---	---
8	13.3	7.4	10.5	8.3	3.9	6.2	2.1	.3	1.1	---	---	---
9	13.7	7.8	11.1	8.0	4.3	6.5	.7	.0	.0	---	---	---
10	13.7	7.7	11.1	6.8	2.9	5.2	1.7	.0	.5	---	---	---
11	13.6	7.7	11.0	6.1	2.8	4.6	2.2	.3	1.2	---	---	---
12	13.3	7.7	10.9	5.8	1.9	4.1	1.3	.0	.3	---	---	---
13	13.0	7.3	10.5	5.1	1.2	3.5	.2	.0	.0	---	---	---
14	12.5	6.9	10.1	5.1	1.1	3.3	.0	.0	.0	---	---	---
15	10.9	6.6	9.2	5.0	1.0	3.2	.0	.0	.0	---	---	---
16	9.7	5.3	7.6	5.2	1.3	3.4	.0	.0	.0	---	---	---
17	8.4	3.3	6.1	6.7	2.1	4.4	.0	.0	.0	---	---	---
18	8.9	3.3	6.2	6.3	3.9	5.1	.1	.0	.0	---	---	---
19	8.9	4.4	7.0	3.9	.1	2.2	.0	.0	.0	---	---	---
20	8.9	3.5	6.5	2.4	.4	1.4	.9	.0	.3	---	---	---
21	9.4	3.8	6.9	2.7	.3	1.6	.4	.0	.1	---	---	---
22	9.5	4.1	7.2	3.4	1.6	2.5	.0	.0	.0	---	---	---
23	9.1	3.8	6.8	1.6	.0	.5	.0	.0	.0	---	---	---
24	8.9	3.8	6.7	.1	.0	.0	.0	.0	.0	---	---	---
25	8.8	3.6	6.5	.6	.0	.2	.0	.0	.0	---	---	---
26	8.6	3.5	6.4	3.3	.0	1.4	.0	.0	.0	---	---	---
27	8.9	3.8	6.6	4.5	1.7	3.1	.0	.0	.0	---	---	---
28	8.0	4.3	6.4	3.8	.6	2.5	.0	.0	.0	---	---	---
29	8.6	6.6	7.6	4.1	1.2	2.8	.0	.0	.0	---	---	---
30	7.4	3.1	5.6	3.3	1.2	2.5	.0	.0	.0	---	---	---
31	7.9	3.1	5.7	---	---	---	.0	.0	.0	---	---	---
MONTH	13.8	3.1	8.6	8.3	.0	3.6	5.1	.0	.5	.2	.0	.0

09105000 PLATEAU CREEK NEAR CAMEO, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	11.2	4.1	7.5	13.2	6.7	10.2
2	---	---	---	---	---	---	10.2	5.2	7.9	14.6	8.4	11.7
3	---	---	---	8.5	2.2	5.6	12.1	4.6	8.4	14.8	8.9	12.2
4	---	---	---	8.8	2.8	6.1	13.3	5.1	9.5	15.1	9.2	12.5
5	---	---	---	7.4	4.0	5.1	13.6	7.2	10.9	14.9	9.2	12.4
6	---	---	---	5.9	2.7	4.4	13.4	8.7	11.3	13.9	8.3	11.5
7	---	---	---	5.7	4.5	5.1	11.4	5.6	9.0	13.1	9.6	11.3
8	---	---	---	6.2	2.9	4.5	10.4	5.2	8.3	11.4	8.7	9.5
9	---	---	---	7.0	3.7	5.2	11.6	5.5	8.8	14.3	6.6	10.2
10	---	---	---	7.6	2.1	4.9	11.2	6.0	9.0	16.2	10.6	13.5
11	---	---	---	8.0	1.7	5.2	12.5	6.4	9.4	14.6	10.0	12.1
12	---	---	---	9.0	5.1	7.1	12.5	6.0	9.5	12.3	7.6	10.0
13	---	---	---	9.0	3.2	6.4	11.9	6.4	9.5	12.6	6.0	9.3
14	---	---	---	9.0	3.1	6.5	11.0	7.5	9.3	13.3	8.0	10.9
15	---	---	---	7.7	3.8	5.2	9.3	6.8	7.9	14.9	9.6	12.2
16	---	---	---	9.6	2.3	5.8	12.1	5.2	8.6	15.1	10.7	13.1
17	---	---	---	7.3	3.4	5.5	13.6	6.8	10.5	14.1	9.9	12.0
18	---	---	---	7.7	2.6	4.9	12.6	8.2	9.8	12.2	9.5	10.9
19	---	---	---	7.3	1.5	4.7	8.2	4.6	6.1	16.4	9.3	12.7
20	---	---	---	6.7	3.0	4.2	12.1	3.5	7.5	18.6	11.3	14.9
21	---	---	---	8.7	1.7	5.1	11.5	7.3	9.5	16.9	11.4	14.6
22	---	---	---	6.7	3.0	5.2	10.3	7.3	8.8	18.9	12.0	15.6
23	---	---	---	10.5	2.9	6.7	13.6	6.6	9.9	20.1	13.5	16.9
24	---	---	---	11.1	5.6	8.5	13.0	8.6	11.0	19.1	13.7	16.6
25	---	---	---	11.5	5.4	8.7	12.5	5.6	9.3	17.7	13.1	15.6
26	---	---	---	12.2	6.7	9.6	12.2	7.4	10.1	15.9	11.9	13.9
27	---	---	---	12.7	5.7	9.5	14.2	7.9	11.2	18.8	11.3	15.0
28	---	---	---	10.6	7.4	8.4	13.4	8.7	11.3	21.1	13.3	17.3
29	---	---	---	11.6	6.1	8.8	11.8	9.4	10.6	21.2	15.2	18.4
30	---	---	---	9.4	6.2	7.3	12.9	7.9	10.0	21.6	14.8	18.3
31	---	---	---	6.9	4.4	5.6	---	---	---	21.6	15.1	18.4
MONTH	---	---	---	12.7	1.5	6.2	14.2	3.5	9.3	21.6	6.0	13.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.2	14.1	18.2	26.6	18.8	22.4	26.4	18.5	22.5	---	15.9	---
2	22.4	14.5	18.5	25.6	18.4	22.0	27.0	19.7	23.1	---	---	---
3	23.2	14.5	18.9	24.8	17.9	21.3	25.3	19.7	22.5	---	---	---
4	23.9	15.3	19.8	24.6	17.3	20.9	27.4	20.5	23.7	21.1	14.8	12.6
5	23.7	15.9	19.9	24.4	15.9	20.1	26.5	19.5	23.0	18.6	16.1	17.3
6	24.3	15.6	19.8	24.7	15.8	20.3	27.0	18.5	22.4	19.2	14.5	16.7
7	24.5	15.7	20.2	25.0	16.8	20.9	26.1	18.2	22.0	---	---	---
8	22.6	17.6	20.2	25.9	18.5	21.6	27.2	18.6	22.7	---	---	---
9	20.6	16.4	18.6	24.4	18.4	21.3	26.7	18.6	22.5	---	---	---
10	22.2	13.4	17.9	27.1	18.6	22.6	26.1	20.3	23.1	---	---	---
11	22.8	14.4	18.7	26.9	18.8	22.8	26.8	19.3	22.8	---	---	---
12	21.6	15.1	18.5	23.7	18.6	21.1	25.5	19.8	22.6	---	---	---
13	23.5	15.8	19.3	27.4	18.5	22.8	26.6	18.5	22.3	---	---	---
14	23.7	15.3	19.5	27.4	19.9	23.8	26.0	19.3	22.5	---	---	---
15	24.0	16.3	20.1	27.5	20.7	23.5	26.9	19.1	22.5	21.3	---	---
16	23.6	15.9	19.5	26.9	19.3	23.0	25.8	19.0	22.2	21.2	13.6	17.4
17	23.6	14.2	18.7	25.7	20.2	22.5	24.7	18.6	21.5	18.7	14.0	16.6
18	22.2	14.9	18.6	26.5	18.3	22.1	---	---	---	20.5	14.7	17.4
19	20.3	16.1	17.8	26.0	17.0	21.3	---	---	---	19.9	14.5	17.3
20	23.1	15.1	19.0	25.9	17.0	21.3	25.2	18.7	21.6	19.7	13.7	16.7
21	23.9	15.1	19.5	26.0	17.0	21.5	21.7	17.9	19.8	17.0	12.4	14.2
22	22.2	15.9	19.3	26.8	17.5	21.9	21.9	16.4	19.2	17.2	12.5	14.7
23	23.3	16.2	19.4	26.6	17.3	21.9	24.6	17.5	20.6	16.0	10.7	12.9
24	24.6	15.8	20.2	25.9	18.4	22.0	24.9	17.4	21.0	13.1	7.6	10.2
25	25.0	18.5	21.4	26.3	18.4	22.3	24.2	18.0	21.1	14.1	7.7	11.0
26	21.2	16.0	18.0	27.8	20.0	23.6	22.6	18.4	20.3	15.2	8.8	12.1
27	22.8	13.9	17.8	27.8	19.9	23.6	---	---	---	16.3	9.8	13.1
28	24.0	16.4	20.4	26.6	19.5	23.2	23.8	18.5	21.1	16.9	11.3	14.3
29	25.3	17.3	21.2	26.9	19.1	22.9	24.8	18.5	21.5	17.2	13.8	15.6
30	25.4	17.9	21.5	25.1	18.9	22.1	21.5	18.4	19.8	17.8	12.3	15.2
31	---	---	---	26.3	18.0	22.0	22.1	17.0	19.5	---	---	---
MONTH	25.4	13.4	19.3	27.8	15.8	22.1	27.4	16.4	21.8	21.3	7.6	14.7
YEAR	27.8	.0	11.7									

09106150 COLORADO RIVER BELOW GRAND VALLEY DIVERSION NEAR PALISADE, CO

LOCATION.--Lat 39°05'55", long 108°21'16", in NW$^1/_4$SE$^1/_4$ sec.18, T.1 S., R.2 E., Mesa County, Hydrologic Unit 14010005, on right bank 0.25 mi downstream of intake structure for Grand Valley Diversion Canal, and 0.25 mi south of Palisade.

DRAINAGE AREA.--8,753 mi^2.

PERIOD OF RECORD.--October 1990 to current year. Water-quality data available, October 1993 to September 1996.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,670 ft above sea level, from topographic map.

REMARKS.-- No estimated daily discharges. Records good. Natural flow of stream affected by transmountain diversions, storage reservoirs, power development, and diversion for irrigation of about 230,000 acres. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1940	2140	1740	1760	1740	1970	1750	3960	12800	2920	659	1330
2	1900	2190	1700	1890	1860	1990	1640	3870	12000	2590	589	1060
3	1830	2140	1720	1900	1870	2160	1370	4420	11200	2370	581	986
4	1720	2050	1670	1680	1920	1980	1180	5430	10300	2110	683	957
5	1690	2240	1600	1660	1940	1960	1110	6430	9130	2050	808	1100
6	1470	2330	1480	1660	1930	1970	1240	7590	8190	1720	806	1080
7	1430	2350	1410	1650	1920	2010	1500	8180	7720	1500	789	1090
8	1760	2240	1520	1580	1910	1990	1640	8460	7440	1310	753	1090
9	1990	2230	1760	1770	1900	2010	1780	8160	7030	1240	706	1180
10	1970	2110	1850	1890	1970	1990	1820	6760	6890	1360	698	1100
11	1930	2090	1820	2070	2240	1930	1830	6550	6070	1330	732	986
12	1880	2060	1960	2070	2140	1900	1770	7310	5460	1160	773	895
13	1850	2040	1870	2120	2130	1750	1630	7100	5070	1010	865	839
14	1700	2060	1720	2030	2070	1890	1780	6090	4560	914	882	798
15	1650	2040	1620	1960	2050	1860	1950	5440	4100	806	903	737
16	1690	2040	1560	1950	2020	1960	1980	5060	4550	943	853	694
17	1720	2060	1970	2010	2120	1840	1760	5050	4480	1270	821	701
18	1770	2070	2090	2080	2230	1850	1740	5250	4190	1800	902	873
19	1790	2040	1910	2120	2090	1830	1870	4460	4040	1610	1130	915
20	1810	2030	2000	2150	2010	1850	1750	3980	4700	1250	1220	904
21	1820	1990	2030	2130	1970	1920	1610	3870	5420	924	1270	901
22	1870	1870	1980	2160	2030	1880	1650	4150	5330	792	1110	1030
23	1880	2010	1940	2030	2050	1850	1770	5170	4360	706	1020	1340
24	1880	1960	1820	1930	2030	1870	2080	7890	4160	665	907	1470
25	1870	1820	1820	1900	2030	1890	2230	10500	3650	749	866	1200
26	1850	1710	1810	2210	1980	1910	2210	11100	3450	746	826	1140
27	1910	1930	1790	2140	1960	1960	2320	10200	3620	730	1030	1080
28	2050	2100	1760	2010	1970	2000	2920	9200	3770	787	1180	770
29	2060	1910	1760	1880	1990	2020	3830	10300	3550	721	1140	681
30	2120	1780	1770	1770	---	2010	4110	12800	3270	691	1290	665
31	2140	---	1720	1710	---	1840	---	13500	---	648	1500	---
TOTAL	56940	61630	55170	59870	58070	59840	57820	218230	180500	39422	28292	29592
MEAN	1837	2054	1780	1931	2002	1930	1927	7040	6017	1272	913	986
MAX	2140	2350	2090	2210	2240	2160	4110	13500	12800	2920	1500	1470
MIN	1430	1710	1410	1580	1740	1750	1110	3870	3270	648	581	665
AC-FT	112900	122200	109400	118800	115200	118700	114700	432900	358000	78190	56120	58700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1299	1962	1792	1785	1837	2108	2275	8104	11030	4615	1726	1264
MAX	2560	2484	2370	2375	2416	2913	4837	14160	20860	16010	3897	2461
(WY)	1998	1998	1998	1998	1996	1998	1996	1993	1997	1995	1995	1997
MIN	538	1220	1209	1280	1297	1302	962	4603	3164	745	557	650
(WY)	1991	1995	1991	1991	1991	1991	1995	1992	1992	1994	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1991 - 2000	
ANNUAL TOTAL	1111848		905376			
ANNUAL MEAN	3046		2474		3318	
HIGHEST ANNUAL MEAN					5114	1997
LOWEST ANNUAL MEAN					1764	1992
HIGHEST DAILY MEAN	13000	Jun 10	13500	May 31	29600	Jun 17 1995
LOWEST DAILY MEAN	435	Apr 14	581	Aug 3	342	Aug 6 1994
ANNUAL SEVEN-DAY MINIMUM	555	Apr 14	653	Jul 29	443	Aug 2 1994
INSTANTANEOUS PEAK FLOW			14400	May 30	30600	Jun 17 1995
INSTANTANEOUS PEAK STAGE			8.44	May 30	12.41	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	2205000		1796000		2404000	
10 PERCENT EXCEEDS	8960		5100		7910	
50 PERCENT EXCEEDS	1960		1900		1940	
90 PERCENT EXCEEDS	1450		871		840	

09107000 TAYLOR RIVER AT TAYLOR PARK, CO

LOCATION.--Lat 38°51'37", long 106°33'58", in $NW^1/_4NE^1/_4$ sec.5, T.14 S., R.82 W., Gunnison County, Hydrologic Unit 14020001, on left bank 0.2 mi upstream from Taylor Park Reservoir waterline, 2.7 mi north of Taylor Park, and 21 mi northeast of Almont.

DRAINAGE AREA.--128 mi^2.

PERIOD OF RECORD.--June 1929 to September 1934, October 1987 to current year. Records for 1929-1934 provided by Colorado Division of Water Resources, published in WSP 1313. Statistical summary computed for 1988 to current year.

REVISED RECORDS.--WSP 1313: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,340 ft above sea level, from topographic map. June 1929 to Sept. 1934 water-stage recorder at different datum at site flooded by waters of Taylor Park Reservoir since 1937.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	57	e41	e39	e34	38	38	138	451	111	62	60
2	73	52	e43	e38	e34	37	39	189	410	107	65	57
3	72	50	e44	e37	e35	37	39	259	385	107	64	54
4	70	50	e44	e37	e37	43	43	306	363	98	62	52
5	70	50	e42	e37	e35	43	50	365	349	90	62	54
6	74	48	e44	e38	e34	40	57	398	325	86	60	63
7	97	47	e45	e38	e34	38	62	383	316	87	57	71
8	92	49	e42	e38	e34	37	72	385	301	96	56	66
9	90	49	e41	e39	e34	40	78	271	299	110	53	79
10	83	45	e41	e38	35	39	86	258	263	94	54	60
11	77	45	e41	35	35	41	76	318	241	84	58	55
12	73	44	e41	34	36	39	83	277	223	84	67	53
13	72	41	e41	e32	36	38	103	204	209	92	87	51
14	69	41	e40	e34	36	39	103	204	197	91	64	50
15	67	42	e38	e32	36	40	83	211	191	127	64	49
16	66	41	e38	32	36	42	96	240	181	169	79	48
17	60	e41	e39	33	37	38	120	278	164	211	80	48
18	65	e41	e40	34	36	38	125	212	154	121	70	51
19	63	36	e41	35	37	40	93	198	179	99	69	52
20	61	e38	e41	e35	40	40	92	191	199	87	68	49
21	61	e40	e41	e35	38	43	110	207	152	81	69	53
22	60	e40	e41	35	38	40	100	272	134	77	73	83
23	59	39	e42	e35	37	39	98	431	131	72	71	64
24	57	e39	e42	e35	36	39	114	582	127	72	65	65
25	56	e39	e43	36	35	39	104	560	130	75	65	62
26	56	e40	e42	36	38	41	125	430	145	73	70	58
27	55	e40	e41	35	38	42	160	361	145	76	67	56
28	54	e40	e41	e34	37	44	191	425	137	73	61	55
29	60	e40	e42	e34	36	42	182	579	119	69	59	63
30	54	e40	e41	e33	---	42	160	558	111	69	58	60
31	56	---	e41	e33	---	39	---	511	---	69	60	---
TOTAL	2097	1304	1284	1096	1044	1237	2882	10201	6731	2957	2019	1741
MEAN	67.6	43.5	41.4	35.4	36.0	39.9	96.1	329	224	95.4	65.1	58.0
MAX	97	57	45	39	40	44	191	582	451	211	87	83
MIN	54	36	38	32	34	37	38	138	111	69	53	48
AC-FT	4160	2590	2550	2170	2070	2450	5720	20230	13350	5870	4000	3450

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	60.0	48.4	40.7	35.3	33.8	39.3	77.4	268	416	197	92.8	68.3
MAX	91.3	71.6	53.8	41.9	38.2	50.5	119	447	767	719	236	122
(WY)	1996	1996	1996	1997	1995	1997	1996	1996	1995	1995	1995	1995
MIN	39.6	34.5	30.0	28.6	27.9	32.6	39.4	162	195	88.4	53.4	46.5
(WY)	1989	1989	1989	1990	1994	1996	1995	1990	1992	1994	1994	1990

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1988 - 2000	
ANNUAL TOTAL	47073		34593			
ANNUAL MEAN	129		94.5		115	
HIGHEST ANNUAL MEAN					197	1995
LOWEST ANNUAL MEAN					79.4	1992
HIGHEST DAILY MEAN	620	Jun 15	582	May 24	1120	Jun 17 1995
LOWEST DAILY MEAN	e30	Jan 4	e32	Jan 13	a24	Feb 7 1989
ANNUAL SEVEN-DAY MINIMUM	31	Jan 4	33	Jan 12	25	Feb 23 1996
INSTANTANEOUS PEAK FLOW			767	May 29	1400	Jun 18 1995
INSTANTANEOUS PEAK STAGE			3.09	May 29	4.08	Jun 18 1995
ANNUAL RUNOFF (AC-FT)	93370		68620		83280	
10 PERCENT EXCEEDS	409		211		283	
50 PERCENT EXCEEDS	72		57		55	
90 PERCENT EXCEEDS	34		36		34	

e Estimated.
a Minimum daily discharge for period of record, 23 ft^3/s, Jan 1-19, 1931.

09108500 TAYLOR PARK RESERVOIR AT TAYLOR PARK, CO

LOCATION.--Lat 38°49'07", long 106°36'24", Gunnison County, Hydrologic Unit 14020001, at dam on Taylor River just downstream from Taylor Park, and 16 mi northeast of Almont.

DRAINAGE AREA.--254 mi^2.

PERIOD OF RECORD.--October 1937 to current year. Prior to October 1938, published in WSP 1313.

REVISED RECORDS.--WSP 1089: 1940(M), 1942(M), 1945-46. WSP 1924: Drainage area.

GAGE.--Water-stage recorder with satelite telemetry, and nonrecording gage (read once daily). Datum of gage is 9,187 ft above sea level, (levels by U.S. Bureau of Reclamation); gage readings have been reduced to elevations above sea level.

REMARKS.--Reservoir is formed by an earth and rockfill dam. Dam completed by U. S. Bureau of Reclamation in September 1937. Capacity of reservoir, 106,200 acre-ft between elevations 9,187 ft, bottom of outlet gates, and 9,330 ft, crest of spillway. No dead storage. Water used for irrigation in Uncompahgre Valley. Figures given are usable contents.

COOPERATION.--Records provided by Uncompahgre Valley Water Users Association.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 111,000 acre-ft, July 1, 1957, elevation, 9,332.35 ft; minimum after first filling, 8,780 acre-ft, Oct. 19-20, 1956, elevation, 9,240.70 ft.

EXTREMES (at 1800) FOR CURRENT YEAR.--Maximum contents, 100,000 acre-ft, June 9, elevation, 9,326.87 ft; minimum contents, 66,200 acre-ft, Sept. 30, elevation, 9,307.66 ft.

MONTHEND ELEVATION AND CONTENTS, AT 1800, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.................................	9319.13	85,400	
Oct. 31.................................	9315.58	79,100	-6,300
Nov. 30.................................	9314.94	78,000	-1,100
Dec. 31.................................	9313.89	76,300	-1,700
CAL YR 1999	-	-	+12,500
Jan. 31.................................	9312.73	74,300	-2,000
Feb. 29.................................	9311.63	72,500	-1,800
Mar. 31.................................	9310.35	70,530	-1,970
Apr. 30.................................	9311.93	73,000	+2,470
May 31.................................	9324.80	95,900	+22,900
June 30.................................	9324.29	95,000	-900
July 31.................................	9317.20	81.900	-13,100
Aug. 31.................................	9311.58	72,400	-9,500
Sept. 30.................................	9307.66	66,200	-6,200
WATER YEAR 2000	-	-	-19,200

09109000 TAYLOR RIVER BELOW TAYLOR PARK RESERVOIR, CO

LOCATION.--Lat 38°49'06", long 106°36'31", Gunnison County, Hydrologic Unit 14020001, on bridge 1,000 ft downstream from Taylor Park Reservoir Dam, 3.4 mi upstream from Lottis Creek, and 17 mi northeast of Almont.

DRAINAGE AREA.--254 mi^2.

PERIOD OF RECORD.--June 1929 to September 1934 (monthly discharges only, published in WSP 1313), October 1938 to current year. Statistical summary computed for 1939 to current year.

REVISED RECORDS.--WSP 1924: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 9,169.67 ft above sea level, (levels by U.S. Bureau of Reclamation). Prior to Nov. 11, 1952, at site 1,600 ft downstream, at datum 1.00 ft lower. Oct. 15, 1946 to May 4, 1952, supplementary nonrecording gage just downstream from reservoir outlet at different sites and datums used during winter months.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Taylor Park Reservoir (station 09108500) since 1937. One small diversion for irrigation from Willow Creek upstream from reservoir. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	244	98	103	103	102	103	103	99	323	421	357	241
2	199	99	103	103	103	103	103	99	358	420	320	241
3	159	101	103	103	103	103	103	99	376	421	319	241
4	132	101	103	103	103	103	103	99	376	419	319	242
5	195	98	103	103	103	104	103	100	409	418	318	242
6	224	98	103	103	103	103	103	101	454	418	319	243
7	289	98	103	103	103	104	103	103	474	390	319	242
8	304	99	103	103	103	103	103	103	475	368	316	243
9	304	98	103	103	103	104	104	102	475	371	319	243
10	304	96	102	103	103	103	103	100	475	372	319	243
11	303	96	103	103	103	104	103	100	474	371	318	244
12	303	96	103	103	103	105	124	99	475	370	318	245
13	302	96	103	103	103	103	193	100	444	370	318	213
14	300	96	103	102	103	104	280	100	427	374	310	182
15	299	96	103	103	103	104	286	132	400	374	275	185
16	269	98	103	103	103	104	230	151	378	374	241	185
17	222	103	103	103	103	104	175	149	376	376	243	186
18	205	103	102	103	103	104	127	149	375	374	243	187
19	207	103	102	103	103	105	99	148	399	373	243	187
20	206	103	100	103	103	105	99	147	427	374	243	189
21	206	103	99	103	103	103	99	148	425	374	243	189
22	207	102	101	103	103	103	99	148	424	372	242	189
23	207	100	103	103	103	104	99	147	425	373	242	188
24	207	99	103	103	103	104	99	147	424	373	243	182
25	206	99	103	103	103	104	100	149	423	373	242	180
26	206	99	103	103	103	103	100	186	423	373	242	179
27	206	99	103	103	103	104	100	207	424	373	242	179
28	174	99	103	103	103	104	101	208	421	372	241	179
29	118	99	103	103	103	104	101	208	425	372	241	173
30	99	100	103	102	---	103	101	245	423	372	242	143
31	100	---	103	102	---	103	---	286	---	371	241	---
TOTAL	6906	2975	3181	3190	2986	3214	3746	4359	12607	11846	8638	6205
MEAN	223	99.2	103	103	103	104	125	141	420	382	279	207
MAX	304	103	103	103	103	105	286	286	475	421	357	245
MIN	99	96	99	102	102	103	99	99	323	368	241	143
AC-FT	13700	5900	6310	6330	5920	6370	7430	8650	25010	23500	17130	12310

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	192	96.0	75.2	64.3	62.7	86.9	151	183	332	400	361	397
MAX	586	438	353	195	196	320	655	550	931	1249	646	809
(WY)	1969	1968	1966	1966	1971	1986	1970	1962	1948	1957	1950	1956
MIN	11.4	10.0	6.00	4.02	4.00	4.19	9.44	.000	.000	147	183	99.5
(WY)	1962	1941	1964	1964	1964	1964	1964	1940	1940	1964	1977	1961

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	73795		69853			
ANNUAL MEAN	202		191		201	
HIGHEST ANNUAL MEAN					341	1995
LOWEST ANNUAL MEAN					94.8	1941
HIGHEST DAILY MEAN	483	Jul 3	475	Jun 8	2180	Jul 1 1957
LOWEST DAILY MEAN	75	Mar 19	96	Nov 10	a.00	May 1 1940
ANNUAL SEVEN-DAY MINIMUM	76	Mar 14	96	Nov 9	.00	May 1 1940
INSTANTANEOUS PEAK FLOW			496	Jun 12	2270	Jul 1 1957
INSTANTANEOUS PEAK STAGE			4.74	Jun 12	7.56	Jul 1 1957
ANNUAL RUNOFF (AC-FT)	146400		138600		145400	
10 PERCENT EXCEEDS	353		374		480	
50 PERCENT EXCEEDS	160		104		107	
90 PERCENT EXCEEDS	94		100		18	

a Also occurred May 2 to Jul 3, 1940, May 7-22, 1942, May 5-21, 1943.

09110000 TAYLOR RIVER AT ALMONT, CO

LOCATION.--Lat 38°39'52", long 106°50'41", in NW$^1/_4$SE$^1/_4$ sec.22, T.51 N., R.1 E., Gunnison County, Hydrologic Unit 14020001, on left bank at Almont, 15 ft downstream from bridge on State Highway 306, and 800 ft upstream from confluence with East River.

DRAINAGE AREA.--477 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1910 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1213: 1911. WSP 1924: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,010.76 ft above sea level. Prior to Apr. 16, 1922, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow partly regulated since September 1937 by Taylor Park Reservoir (station 09108500), 24 mi upstream from station. Diversions for irrigation of about 360 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	327	169	155	e167	e150	146	160	264	651	546	450	284
2	280	167	162	e167	e150	146	158	264	658	531	391	277
3	250	163	157	e160	e160	146	160	285	672	528	390	278
4	202	e163	154	e155	e165	147	e160	318	666	526	386	279
5	254	163	149	e160	e165	151	163	332	669	522	383	280
6	277	163	153	e155	e160	151	173	364	702	517	380	282
7	356	162	163	e155	e165	152	180	374	718	499	375	285
8	381	e163	172	e165	e180	149	185	441	696	473	375	289
9	372	e160	156	e170	e180	148	193	401	669	485	375	300
10	369	158	166	e170	e175	149	207	381	645	484	370	291
11	371	158	168	e170	174	156	212	402	630	475	371	290
12	369	156	161	166	175	153	214	402	624	469	374	287
13	367	154	157	171	172	148	281	347	601	477	403	275
14	368	155	168	183	165	153	397	332	567	479	379	238
15	365	155	151	e185	168	155	432	344	547	525	357	235
16	347	151	164	176	152	155	349	382	508	607	320	233
17	298	156	e180	e180	152	152	311	410	499	575	326	234
18	276	158	e165	e170	148	152	288	388	497	525	319	242
19	277	157	e160	162	148	155	233	388	525	503	323	239
20	276	155	e158	156	150	154	210	367	580	491	320	232
21	275	157	e155	160	e150	149	233	358	562	481	317	235
22	276	159	e150	157	145	153	226	e420	562	476	321	243
23	275	150	e150	157	144	155	213	e500	560	472	316	235
24	273	162	e157	161	146	156	228	544	562	470	313	234
25	273	168	e163	162	145	157	228	556	562	471	325	234
26	273	174	e170	164	156	159	252	529	578	467	330	233
27	270	157	e170	162	e150	160	285	518	570	466	317	230
28	256	155	e160	185	145	163	298	527	565	464	315	228
29	211	153	e160	151	147	161	296	577	560	459	310	234
30	168	153	e155	157	---	e160	287	625	554	460	303	212
31	170	---	e160	e150	---	e164	---	630	---	458	293	---
TOTAL	9102	4774	4969	5109	4582	4755	7212	12970	17959	15381	10827	7668
MEAN	294	159	160	165	158	153	240	418	599	496	349	256
MAX	381	174	180	185	180	164	432	630	718	607	450	300
MIN	168	150	149	150	144	146	158	264	497	458	293	212
AC-FT	18050	9470	9860	10130	9090	9430	14310	25730	35620	30510	21480	15210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	247	156	122	111	110	134	249	604	925	575	416	394
MAX	699	518	424	240	288	456	784	1485	2419	1975	707	855
(WY)	1969	1968	1966	1966	1971	1985	1970	1936	1914	1957	1960	1956
MIN	60.3	53.3	39.8	40.8	35.2	34.6	55.8	129	109	168	83.2	91.6
(WY)	1938	1938	1963	1941	1941	1938	1941	1940	1940	1931	1913	1937

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1910 - 2000	
ANNUAL TOTAL	119297		105308			
ANNUAL MEAN	327		288		338	
HIGHEST ANNUAL MEAN					550	1995
LOWEST ANNUAL MEAN					155	1977
HIGHEST DAILY MEAN	815	Jun 4	718	Jun 7	3600	Jun 9 1920
LOWEST DAILY MEAN	119	Mar 14	144	Feb 23	a24	Mar 12 1938
ANNUAL SEVEN-DAY MINIMUM	122	Mar 13	147	Feb 27	27	Feb 19 1941
INSTANTANEOUS PEAK FLOW			744	Jun 7	b3760	Jun 9 1920
INSTANTANEOUS PEAK STAGE			2.92	Jun 7	c5.00	Jun 9 1920
ANNUAL RUNOFF (AC-FT)	236600		208900		244800	
10 PERCENT EXCEEDS	673		528		736	
50 PERCENT EXCEEDS	255		234		198	
90 PERCENT EXCEEDS	147		152		84	

e Estimated.
a Minimum discharge observed for period of record, before storage began in Taylor Park Reservoir, 50 ft^3/s for several days in Aug 1913, gage height, 1.2 ft.
b From rating curve extended above 2300 ft^3/s.
c Maximum gage height, 5.32 ft, Jul 1, 1957.

09110000 TAYLOR RIVER AT ALMONT, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--October 1993 to September 2000 (discontinued).

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of materials verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT 19...	1550	275	122	7.7	6.9	9.4	K1	<.001
JAN 11...	1130	158	143	8.2	.1	10.4	<1	<.001
APR 12...	1510	218	138	8.4	8.6	8.6	K1	<.001
MAY 22...	1720	373	139	8.4	12.9	7.8	K5	<.001
JUL 20...	1130	495	124	8.2	10.5	8.5	K1	.001
AUG 29...	1640	305	122	8.4	15.2	7.4	K1	.001

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT 19...	.031	<.002	.13	E.10	.009	E.005	<.001
JAN 11...	.042	<.002	.23	E.10	E.004	E.003	<.001
APR 12...	.032	.002	.16	.12	.016	.009	.003
MAY 22...	.046	.010	.23	.11	.011	E.004	.004
JUL 20...	.035	.014	.13	E.10	.017	.009	.008
AUG 29...	.011	.005	.12	.10	.009	E.003	.002

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT 08...	0940	397	122	7.2	MAR 01...	0830	142	145	.5
NOV 16...	1459	152	145	3.2	JUN 28...	1129	583	120	9.7

385609106575800 EAST RIVER BELOW GOTHIC, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°56'09", long 106°57'58", in $SE^1/_4SE^1/_4$ sec.11, T.13 S., R.86 W., Gunnison County, Hydrologic Unit 14020001, at county road bridge, 0.1 mi east of Gothic, and 2.0 mi west of Mt. Crested Butte.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD--April 1995 to August 2000 (discontinued).

REMARKS.--No previous water-quality data prior to April 1995.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT								
19...	1330	22	266	8.2	3.7	9.2	K1	<.001
JAN								
21...	0920	4.9	305	8.1	.0	9.5	K1	<.001
APR								
19...	0930	47	268	8.1	.4	10.4	<1	<.001
MAY								
24...	0930	330	151	8.0	3.6	9.2	K3	<.001
JUL								
19...	1120	52	215	8.2	10.6	8.3	K8	<.001
SEP								
07...	1030	21	260	8.4	9.5	8.3	29	<.001

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT							
19...	.075	<.002	.15	.14	<.008	<.006	<.001
JAN							
21...	.111	<.002	<.10	<.10	<.008	<.006	<.001
APR							
19...	.130	.008	.18	E.10	.015	<.006	.002
MAY							
24...	.115	.005	.12	.10	.017	<.006	.004
JUL							
19...	.052	.004	E.10	E.10	E.007	<.006	.001
SEP							
07...	.057	.002	<.10	<.10	.008	<.006	<.001

385408106543600 EAST RIVER ABOVE CRESTED BUTTE, CO.

WATER-QUALITY RECORDS

LOCATION.--Lat 38°54'08", long 106°54'36", Gunnison County, Hydrologic Unit 14020001, 0.25 mi upstream from confluence with Brush Creek, and 4.2 mi northeast of Crested Butte.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD--August 1995 to current year.

REMARKS.--No previous water-quality data prior to August 1995.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT								
19...	1600	31	295	8.2	6.8	8.8	K1	.001
JAN								
20...	1400	11	320	8.2	.6	9.4	K1	<.001
APR								
19...	1325	74	278	8.3	3.1	10.2	<1	<.001
MAY								
24...	1215	304	174	8.1	7.3	9.0	K6	<.001
JUL								
19...	1520	21	254	8.2	19.3	7.4	15	.001
SEP								
07...	1520	16	285	8.4	17.2	7.5	K2	.001

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT							
19...	.043	.007	E.10	.10	E.006	<.050	<.001
JAN							
20...	.104	<.002	<.10	<.10	<.008	<.006	<.001
APR							
19...	.108	.011	.17	.14	.023	E.003	.001
MAY							
24...	.097	.003	.19	.11	.032	<.006	.003
JUL							
19...	.029	.023	.10	E.10	E.006	<.006	.002
SEP							
07...	.005	.006	<.10	E.10	E.004	<.006	<.001

384950106544200 EAST RIVER ABOVE SLATE RIVER, NEAR CRESTED BUTTE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°49'50", long 106°54'42", in SE$^1/_4$SW$^1/_4$ sec.17, T.14 S., R.85 W., Gunnison County, Hydrologic Unit 14020001, 100 ft upstream from confluence with Slate River, and 4.7 mi southeast of Crested Butte.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April 1995 to September 2000 (discontinued).

REMARKS.--No previous water-quality data prior to April 1995.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT										
21...	1045	58	317	8.2	2.5	--	10.1	.0	K2	--
JAN										
11...	0820	18	343	8.3	.4	--	10.2	--	<1	--
APR										
13...	1120	93	290	8.4	2.7	--	10.0	2.6	<1	--
MAY										
24...	1400	568	170	8.2	10.6	19	8.3	.6	28	84
JUL										
20...	1000	70	320	8.2	11.7	--	7.5	--	34	--
AUG										
30...	0820	40	337	8.3	10.9	<.5	7.9	.0	9	160

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT										
21...	--	--	<.001	.050	<.002	E.10	E.10	<.008	E.003	<.001
JAN										
11...	--	--	.002	.105	.011	.17	<.10	<.008	E.004	<.001
APR										
13...	--	--	.001	.097	.017	.21	.11	.031	.007	.004
MAY										
24...	26.8	4.07	<.001	.092	.012	.20	E.10	.037	<.006	.003
JUL										
20...	--	--	<.001	.034	.005	.12	E.10	E.005	<.006	.003
AUG										
30...	54.0	7.06	.001	.061	.007	E.10	<.10	E.004	<.006	.002

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
MAY								
24...	<15	<.1	<1	10	<1	5	<1	<20
AUG								
30...	<15	<.1	<1	<10	<1	3	<1	<20

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAY					
24...	1400	568	10.6	52	80
AUG					
30...	0820	40	10.9	3	.35

385429107013000 SLATE RIVER ABOVE OH-BE-JOYFUL CREEK, NEAR CRESTED BUTTE, CO.

WATER-QUALITY RECORDS

LOCATION.--Lat 38°54'29", long 107°01'30", in $SE^1/_4NE^1/_4$ sec.20, T.13 S., R.86 W., Gunnison County, Hydrologic Unit 14020001, 0.2 mi upstream from confluence with Oh-Be-Joyful Creek, and 3.4 mi northwest of Crested Butte.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD--June 1995 to September 2000 (discontinued).

REMARKS.--No previous water-quality data prior to June 1995.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT										
20...	0915	6.3	137	7.8	2.3	--	9.5	K1	--	--
JAN										
20...	0940	2.5	148	7.6	.2	--	9.9	K1	--	--
APR										
18...	1425	52	129	7.6	3.7	--	9.4	<1	--	--
MAY										
23...	0830	212	81	7.6	3.5	3.0	9.7	K1	36	12.5
JUL										
19...	0840	30	111	7.8	7.1	--	8.5	45	--	--
SEP										
06...	1520	8.8	150	7.9	14.5	<.5	7.1	21	66	22.9

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT									
20...	--	<.001	.072	<.002	<.10	<.10	<.008	<.006	<.001
JAN									
20...	--	<.001	.092	<.002	<.10	<.10	<.008	<.006	<.001
APR									
18...	--	<.001	.134	.007	E.10	E.10	<.008	<.006	<.001
MAY									
23...	1.12	<.001	.014	.004	.16	E.10	.020	<.006	.013
JUL									
19...	--	<.001	.085	<.002	E.10	<.10	<.008	<.006	.001
SEP									
06...	2.17	.002	.061	.007	<.10	<.10	<.008	<.006	<.001

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
MAY								
23...	<15	<.1	<1	<10	<1	E2	<1	<20
SEP								
06...	<15	<.1	<1	E10	<1	E1	<1	<20

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAY					
23...	0830	212	3.5	26	15
SEP					
06...	1520	8.8	14.5	M	.00

385426107013400 OH-BE-JOYFUL CREEK ABOVE SLATE RIVER, NEAR CRESTED BUTTE, CO.

WATER-QUALITY RECORDS

LOCATION.--Lat 38°54'26", long 107°01'34", in SE$^1/_4$NE$^1/_4$ sec.20, T.13 S., R.86 W., Gunnison County, Hydrologic Unit 14020001, 0.1 mi upstream from mouth, and 3.4 mi northwest of Crested Butte.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD--August 1995 to September 2000 (discontinued).

REMARKS.--No previous water-quality data prior to August 1995.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
MAY								
23...	1040	141	45	7.2	3.8	9.4	<1	<.001
SEP								
06...	1350	3.2	84	7.6	12.4	7.5	K1	.001

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
MAY							
23...	.039	.015	.15	E.10	E.005	<.006	.003
SEP							
06...	.014	.009	<.10	<.10	<.008	<.006	<.001

385240106583600 SLATE RIVER ABOVE COAL CREEK, NEAR CRESTED BUTTE, CO.

WATER-QUALITY RECORDS

LOCATION.--Lat 38°52'40", long 106°58'36", in SE$^1/_4$NE$^1/_4$ sec.35,T.13 S., R.86 W., Gunnison County, Hydrologic Unit 14020001, 0.5 mi upstream from confluence with Coal Creek, and 0.6 mi northwest of Crested Butte.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD--April 1995 to current year.

REMARKS.--No previous water-quality data prior to April 1995.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT										
20...	1130	14	125	7.6	4.9	--	8.7	K1	--	--
JAN										
20...	0800	6.5	140	7.5	.3	--	8.9	K1	--	--
APR										
18...	1555	93	121	7.7	4.5	--	9.0	<1	--	--
MAY										
23...	1235	354	75	7.6	7.6	3.6	8.2	K2	31	10.6
JUL										
19...	1000	49	106	7.7	10.4	--	7.8	K9	--	--
SEP										
07...	0830	19	135	7.6	10.2	<.5	7.3	K24	62	20.9

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT									
20...	--	<.001	.051	<.002	E.10	E.10	<.008	<.006	<.001
JAN									
20...	--	<.001	.086	<.002	<.10	<.10	<.008	<.006	<.001
APR									
18...	--	<.001	.119	.011	.11	.12	E.005	E.003	.002
MAY									
23...	1.15	<.001	.059	.010	.16	E.10	.014	<.006	.005
JUL									
19...	--	.001	.062	<.002	E.10	<.10	<.008	<.006	.002
SEP									
07...	2.28	<.001	.054	.003	<.10	<.10	<.008	<.006	<.001

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
MAY								
23...	E9	.2	<1	20	E1	7	<1	E17
SEP								
07...	<15	.2	<1	20	<1	12	<1	E14

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAY					
23...	1235	354	7.6	11	11
SEP					
07...	0830	19	10.2	1	.06

09111500 SLATE RIVER NEAR CRESTED BUTTE, CO

LOCATION.--Lat 38°52'11", long 106°58'08", in $NW^1/_4NE^1/_4$ sec.2, T.14 S., R.86 W., Gunnison County, Hydrologic Unit 14020001, on right bank 400 ft downstream from Washington Gulch, 1 mi east of Crested Butte, and 6.3 mi upstream from mouth.

DRAINAGE AREA.--68.9 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1940 to September 1951, October 1993 to current year. Monthly discharges only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,820 ft above sea level, from topographic map. Prior to Oct. 1, 1993, gage at site 0.3 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 1,300 acres upstream and downstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	21	e15	e16	e15	e13	e36	346	702	125	e20	18
2	40	19	e14	e15	e15	e13	e35	420	645	122	e19	18
3	38	19	14	e15	e15	e13	e36	536	598	111	e19	16
4	36	19	e15	e15	e16	e13	e40	615	568	99	e17	15
5	35	19	e15	e15	e15	e14	e56	668	539	86	e15	14
6	35	18	e16	e15	e15	e14	59	686	520	80	e14	17
7	45	18	e16	e16	e15	e14	62	654	492	77	e14	20
8	50	19	16	e17	e15	e14	74	681	470	72	e13	21
9	50	18	e16	e17	e15	e14	75	515	501	92	e15	38
10	46	17	16	e17	e15	e14	83	460	414	92	e18	26
11	43	17	15	e16	e15	e13	95	543	376	75	19	21
12	39	16	e15	e16	e15	e13	116	516	348	66	21	18
13	36	15	e15	e16	e14	e14	149	384	314	59	30	17
14	37	15	e15	e16	e14	e14	167	329	272	60	19	16
15	38	16	e15	e16	e14	e15	151	316	278	88	19	15
16	35	15	e16	e17	e14	e16	132	316	278	88	18	14
17	34	16	e16	e18	e14	e17	153	371	242	96	18	13
18	36	17	e16	e18	e13	e17	179	304	217	66	18	15
19	33	15	e16	e18	e13	e17	152	e270	250	54	22	15
20	25	16	e16	e18	e13	e20	141	e260	253	46	22	13
21	22	e16	e17	e18	e13	e21	159	e290	222	41	24	14
22	22	17	e16	e18	e13	e21	159	e340	200	36	25	21
23	22	e16	e17	e17	e13	e22	160	621	185	33	22	17
24	21	e15	e17	e17	e13	e23	170	807	173	30	20	18
25	21	e15	e17	e18	e12	e25	177	850	174	30	17	19
26	21	15	e16	e18	e12	e28	229	709	186	28	18	19
27	21	e15	e16	e17	e12	e33	319	585	162	26	21	19
28	21	e15	e16	e16	e13	e35	381	622	145	25	18	19
29	23	e15	e16	e15	e13	e36	364	767	134	23	16	31
30	20	e15	e16	e15	---	e37	330	816	130	22	18	33
31	21	---	e16	e15	---	e36	---	767	---	22	18	---
TOTAL	1008	499	488	511	404	609	4439	16364	9988	1970	587	570
MEAN	32.5	16.6	15.7	16.5	13.9	19.6	148	528	333	63.5	18.9	19.0
MAX	50	21	17	18	16	37	381	850	702	125	30	38
MIN	20	15	14	15	12	13	35	260	130	22	13	13
AC-FT	2000	990	968	1010	801	1210	8800	32460	19810	3910	1160	1130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	32.0	23.7	16.5	13.4	11.9	19.7	123	532	606	214	54.5	27.5
MAX	68.4	38.4	25.1	23.5	20.0	44.3	303	778	971	804	237	62.7
(WY)	1998	1998	1994	1996	1996	1999	1943	1941	1995	1995	1995	1995
MIN	10.2	8.63	8.03	8.35	6.20	8.52	36.4	281	280	50.7	15.2	13.8
(WY)	1943	1943	1943	1947	1945	1950	1944	1995	1940	1940	1940	1942

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	45145.5		37437			
ANNUAL MEAN	124		102		143	
HIGHEST ANNUAL MEAN					214	1995
LOWEST ANNUAL MEAN					102	2000
HIGHEST DAILY MEAN	776	May 25	850	May 25	1390	Jun 17 1995
LOWEST DAILY MEAN	9.5	Feb 9	e12	Feb 25	3.9	Nov 26 1942
ANNUAL SEVEN-DAY MINIMUM	11	Mar 2	13	Feb 21	5.8	Nov 21 1942
INSTANTANEOUS PEAK FLOW			958	May 25	1550	Jun 17 1995
INSTANTANEOUS PEAK STAGE			5.28	May 25	5.84	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	89550		74260		103300	
10 PERCENT EXCEEDS	497		347		524	
50 PERCENT EXCEEDS	43		20		27	
90 PERCENT EXCEEDS	15		14		11	

e Estimated.

09111500 SLATE RIVER NEAR CRESTED BUTTE, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--March 1995 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-deal colony count; M, presence of materials verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT										
20...	1525	23	160	7.7	8.8	--	8.7	38	--	--
JAN										
10...	1330	17	194	8.0	.0	--	9.5	K9	--	--
APR										
14...	1100	174	140	7.6	3.4	--	9.4	K6	--	--
MAY										
23...	1410	544	78	7.5	10.2	3.0	8.0	19	32	10.5
JUL										
19...	1240	56	123	7.7	15.8	--	7.1	120	--	--
SEP										
07...	1230	20	168	8.0	16.6	<.5	7.0	12	70	23.2

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT									
20...	--	.012	.167	.233	.33	.36	.089	.069	.054
JAN									
10...	--	.003	.330	.004	.12	<.10	.076	.071	.060
APR									
14...	--	.003	.227	.020	.27	.15	.040	.010	.004
MAY									
23...	1.38	<.001	.006	.005	.22	E.10	.025	.006	.002
JUL									
19...	--	.007	.245	.023	.11	E.10	.044	.039	.030
SEP									
07...	2.83	.007	.325	.005	E.10	E.10	.080	.075	.065

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
MAY								
23...	24	.3	E1	40	E1	14	<1	40
SEP								
07...	E10	.2	<1	30	<1	36	<1	E13

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
NOV				
17...	0845	13	200	.9
FEB				
29...	1330	13	214	3.9

09111500 SLATE RIVER NEAR CRESTED BUTTE, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAY					
23...	1410	544	10.2	13	19
SEP					
07...	1230	20	16.6	1	.05

384852106541500 SLATE RIVER ABOVE EAST RIVER, NEAR CRESTED BUTTE, CO.

WATER-QUALITY RECORDS

LOCATION.--Lat 38°48'52", long 106°54'15", in $NW^1/_4NW^1/_4$ sec.28, T.14 S., R.85 W., Gunnison County, Hydrologic Unit 14020001, 100 ft upstream from confluence with East River, and 4.7 mi southeast of Crested Butte.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD--April 1995 to September 2000 (discontinued).

REMARKS.--No previous water-quality data prior to April 1995.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT								
21...	0815	34	197	8.0	1.8	10.1	.0	K2
JAN								
11...	0930	19	204	7.9	.3	10.2	--	K2
APR								
13...	1320	181	147	8.0	5.0	9.4	2.3	<1
MAY								
25...	0900	1510	67	7.6	5.2	9.2	1.2	10
JUL								
20...	0910	70	206	8.0	11.3	7.9	--	67
AUG								
30...	1000	32	241	8.3	12.5	7.8	.0	14

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT								
21...	.006	.193	.057	.14	.18	.028	.021	.009
JAN								
11...	.002	.371	.004	.11	<.10	.029	.024	.018
APR								
13...	.003	.243	.014	.31	.17	.059	.011	.008
MAY								
25...	<.001	.049	.005	.23	.16	.039	E.005	.007
JUL								
20...	.004	.120	.007	.15	E.10	E.007	E.005	.005
AUG								
30...	.002	.082	.007	E.10	E.10	.008	E.004	.004

09112200 EAST RIVER BELOW CEMENT CREEK NEAR CRESTED BUTTE, CO

LOCATION.--Lat 38°47'03", long 106°52'13", in $NE^1/_4NE^1/_4$ sec.3, T.15 S., R.85 W., Gunnison County, Hydrologic Unit 14020001, on left bank 11 ft downstream from bridge on State Highway 135, 1.6 mi downstream from Cement Creek, and 8.5 mi southeast of Crested Butte.

DRAINAGE AREA.--238 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to September 1972, October 1979 to September 1981, October 1993 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,440 ft above sea level, from topographic map. Prior to Oct. 1993, water-stage recorder 0.5 mi upstream, at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 4,500 acres upstream and downstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	108	86	59	e57	47	68	723	1530	278	91	94
2	143	100	91	60	e56	52	65	838	1420	268	88	90
3	137	97	85	e57	e54	48	67	1040	1340	261	87	86
4	134	98	70	e56	e53	51	70	1190	1290	247	77	84
5	132	98	e70	e56	e53	51	99	1310	1230	230	68	80
6	134	95	e70	e56	e53	54	130	1360	1150	214	67	79
7	163	95	72	e57	e53	54	152	1310	1080	200	63	85
8	164	97	72	e58	e52	50	174	1370	1050	194	64	87
9	169	97	e68	63	55	50	209	1100	1090	228	67	101
10	158	90	70	63	56	45	268	904	923	235	80	104
11	152	90	e67	64	56	50	282	1040	833	208	90	100
12	146	86	e66	65	55	53	303	1020	780	194	97	97
13	142	82	e67	62	54	48	346	787	705	174	120	94
14	137	84	e68	e60	55	48	373	701	613	158	102	91
15	136	86	e68	e60	56	52	342	664	612	202	96	88
16	129	83	e67	63	54	49	297	703	612	244	102	86
17	123	89	67	63	56	48	343	830	542	252	102	84
18	129	92	e66	66	56	47	427	693	492	202	102	94
19	124	64	67	66	55	49	371	616	567	185	106	104
20	120	75	68	64	e54	53	328	611	600	168	110	97
21	116	82	e65	65	54	49	391	725	518	153	112	96
22	113	90	e64	65	54	47	390	878	449	141	127	116
23	114	69	e63	61	54	50	398	1270	407	134	118	110
24	112	93	e62	60	54	53	431	1660	372	128	115	105
25	111	104	e60	64	52	52	419	1760	372	124	102	101
26	110	93	61	65	50	60	509	1500	410	116	101	96
27	110	90	e58	64	53	63	655	1210	381	109	103	97
28	106	84	e57	67	51	77	775	1280	348	107	98	99
29	111	83	e57	66	52	76	760	1620	317	101	95	106
30	101	85	e57	e62	---	79	713	1750	296	96	94	108
31	108	---	e57	e59	---	74	---	1670	---	94	94	---
TOTAL	4036	2679	2086	1916	1567	1679	10155	34133	22329	5645	2938	2859
MEAN	130	89.3	67.3	61.8	54.0	54.2	338	1101	744	182	94.8	95.3
MAX	169	108	91	67	57	79	775	1760	1530	278	127	116
MIN	101	64	57	56	50	45	65	611	296	94	63	79
AC-FT	8010	5310	4140	3800	3110	3330	20140	67700	44290	11200	5830	5670

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	118	90.3	70.6	62.6	58.7	70.4	239	1029	1354	579	214	140
MAX	188	125	96.2	83.2	76.0	113	404	1606	2450	1796	609	271
(WY)	1966	1998	1966	1971	1971	1999	1971	1996	1995	1995	1995	1965
MIN	58.5	62.4	51.7	43.8	42.7	43.5	77.0	406	633	181	91.7	64.3
(WY)	1964	1964	1964	1995	1964	1964	1964	1981	1981	1981	1981	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	130639		92022			
ANNUAL MEAN	358		251		336	
HIGHEST ANNUAL MEAN					531	1995
LOWEST ANNUAL MEAN					162	1981
HIGHEST DAILY MEAN	1810	May 29	1760	May 25	3610	Jun 17 1995
LOWEST DAILY MEAN	e54	Jan 29	45	Mar 10	36	Jan 24 1995
ANNUAL SEVEN-DAY MINIMUM	58	Dec 25	49	Mar 13	40	Feb 21 1964
INSTANTANEOUS PEAK FLOW			1980	May 25	4350	Jun 18 1995
INSTANTANEOUS PEAK STAGE			4.01	May 25	a5.06	Jun 18 1995
ANNUAL RUNOFF (AC-FT)	259100		182500		243500	
10 PERCENT EXCEEDS	1330		764		1060	
50 PERCENT EXCEEDS	157		97		108	
90 PERCENT EXCEEDS	61		54		55	

e Estimated.
a Maximum gage height for period of record, 8.30 ft, Jun 12, 1980, from floodmarks, site and datum then in use.

09112200 EAST RIVER BELOW CEMENT CREEK NEAR CRESTED BUTTE, CO--Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1993 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1995 to May 1997.
WATER TEMPERATURE: May 1995 to September 1998.
DISSOLVED OXYGEN: May 1995 to May 1997.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry May 1995 to May 1997. Water temperature sensor and logger May 1997 to September 1998.

REMARKS.--Upper Colorado River Basin National Water Quality Assessment station (NAWQA).

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified. Suspended sediment concentrations determined from a subsample split of a composite sample.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 366 microsiemens Dec. 15, 1995; minimum, 125 microsiemens June 22, 1995.
WATER TEMPERATURE: Maximum, 18.5°C Aug. 7, 1998; minimum, 0.0°C on many days during winter months.
DISSOLVED OXYGEN: Maximum, 13.5 mg/L Feb. 17, 1997 (may have been higher during periods of missing record); minimum 6.7 mg/L July 24, 1996 (may have been lower during periods of missing record).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT										
20...	0830	119	281	8.0	1.0	.7	10.1	.2	8	140
NOV										
15...	1220	61	315	8.5	5.0	--	10.6	--	--	150
DEC										
27...	1200	69	316	8.4	.9	--	10.6	--	--	150
JAN										
10...	1545	63	315	8.4	3.0	--	9.4	--	<1	140
FEB										
29...	1500	53	305	8.7	7.1	--	9.3	--	--	140
MAR										
20...	1145	50	311	8.6	4.8	--	9.5	--	--	140
APR										
13...	0815	296	218	8.1	.7	4.9	10.2	--	24	98
26...	1100	432	211	8.2	4.3	--	9.8	--	--	97
MAY										
10...	1300	840	179	8.1	10.1	3.7	8.0	.8	K6	82
JUN										
01...	1530	1440	144	8.2	11.0	--	7.8	--	--	68
08...	1600	958	169	7.9	11.1	--	8.1	--	140	77
22...	1300	447	213	8.2	14.1	18	7.4	--	--	100
JUL										
20...	0800	170	287	8.3	9.2	--	8.5	--	54	140
AUG										
30...	1230	93	316	8.4	13.5	<.5	7.8	.0	10	150
SEP										
26...	1330	94	315	8.4	10.5	--	8.1	--	--	150

09112200 EAST RIVER BELOW CEMENT CREEK NEAR CRESTED BUTTE, CO--Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)
OCT									
20...	43.5	7.56	3.4	.1	.9	--	100	122	--
NOV									
15...	47.4	8.12	4.9	.2	1.0	--	122	137	6
DEC									
27...	47.7	8.38	4.7	.2	1.0	127	--	--	--
JAN									
10...	44.1	8.07	5.0	.2	1.1	--	120	146	--
FEB									
29...	44.2	8.07	5.6	.2	1.0	--	114	134	2
MAR									
20...	43.2	7.86	5.4	.2	1.0	--	115	126	7
APR									
13...	30.2	5.42	2.9	.1	1.2	--	79	96	--
26...	30.2	5.25	2.6	.1	.9	--	81	99	--
MAY									
10...	25.5	4.32	2.0	.1	.6	--	67	82	--
JUN									
01...	21.7	3.33	1.4	.1	.6	59	--	--	--
08...	24.6	3.68	1.7	.1	.6	--	65	79	--
22...	32.4	4.79	2.0	.1	.7	--	83	101	--
JUL									
20...	45.1	6.62	3.0	.1	.9	--	122	149	--
AUG									
30...	48.1	7.59	3.4	.1	1.0	--	123	145	2
SEP									
26...	48.9	7.71	3.4	.1	1.0	129	--	--	--

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT									
20...	33.7	1.3	.1	6.6	176	157	.24	56.5	.001
NOV									
15...	32.9	1.6	.2	7.8	185	178	.25	30.5	.001
DEC									
27...	35.7	1.7	.2	7.6	189	184	.26	35.1	.001
JAN									
10...	36.7	1.8	.2	7.2	187	177	.25	31.9	.001
FEB									
29...	35.5	2.2	.2	7.1	181	173	.25	25.9	.002
MAR									
20...	37.5	2.0	.2	6.7	178	174	.24	23.8	<.010
APR									
13...	23.9	1.9	.1	5.8	133	120	.18	106	.002
26...	19.1	1.2	.1	5.8	120	115	.16	140	.001
MAY									
10...	14.5	.9	<.1	5.7	99	94	.13	225	<.001
JUN									
01...	11.3	.3	<.1	4.7	80	79	.11	310	<.001
08...	15.9	.5	<.1	4.9	100	91	.14	259	.002
22...	18.4	.6	<.1	5.6	128	114	.17	154	.001
JUL									
20...	20.8	1.2	.1	7.3	169	159	.23	77.6	.002
AUG									
30...	25.3	1.4	<.1	7.8	182	169	.25	45.7	.001
SEP									
26...	33.6	1.3	.1	6.8	183	181	.25	46.4	<.001

09112200 EAST RIVER BELOW CEMENT CREEK NEAR CRESTED BUTTE, CO--Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTICULATE TOTAL (MG/L AS C) (00689)
OCT									
20...	.083	<.002	E.09	E.08	E.006	E.004	<.001	.93	.3
NOV									
15...	.094	<.002	.13	<.10	E.006	<.006	<.001	.63	<.2
DEC									
27...	.141	<.002	E.06	<.10	<.050	.007	<.001	.75	<.2
JAN									
10...	.162	<.002	.13	<.10	.009	.010	.005	.87	.2
FEB									
29...	.151	<.002	E.05	E.06	.010	.011	.013	.93	.2
MAR									
20...	.253	.037	.15	E.08	E.005	.007	<.010	.87	.2
APR									
13...	.201	.019	.28	.14	.047	.010	.006	2.4	.3
26...	.161	.024	.28	.15	.031	E.005	.005	2.4	.6
MAY									
10...	.088	.007	.24	.12	.023	E.005	<.001	2.6	.3
JUN									
01...	.067	.007	.18	<.10	.033	E.005	<.001	2.4	.3
08...	.081	.003	.14	E.09	.017	<.006	<.001	1.7	.4
22...	.029	<.002	.12	.10	.009	<.006	<.001	1.5	.3
JUL									
20...	.072	.005	.11	.11	E.006	<.006	.001	1.1	<.2
AUG									
30...	.055	.007	E.08	E.07	E.006	E.004	.001	.93	<.2
SEP									
26...	.026	<.002	E.06	<.10	E.004	E.003	<.001	.91	<.2

DATE	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)
OCT									
20...	<15	<.1	<1	E7	<1	3	<1	<20	.02
NOV									
15...	--	--	--	<10	--	3	--	--	--
DEC									
27...	--	--	--	<10	--	2	--	--	--
JAN									
10...	--	--	--	E6	--	E2	--	--	--
FEB									
29...	--	--	--	<10	--	2	--	--	--
MAR									
20...	--	--	--	E7	--	3	--	--	--
APR									
13...	E14	.2	2	40	<1	43	<1	36	--
26...	--	--	--	30	--	47	--	--	--
MAY									
10...	E10	.2	1	10	<1	10	<1	<20	--
JUN									
01...	--	--	--	20	--	6	--	--	--
08...	--	--	--	10	--	7	--	--	--
22...	<15	<.1	<1	20	<1	7	<1	<20	--
JUL									
20...	--	--	--	<10	--	4	--	--	--
AUG									
30...	<15	<.1	<1	<10	<1	3	<1	<20	--
SEP									
26...	--	--	--	10	--	3	--	--	--

09112200 EAST RIVER BELOW CEMENT CREEK NEAR CRESTED BUTTE, CO--Continued
(National Water-Quality Assessment Program station)

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
20...	0830	119	281	1.0
FEB				
29...	1500	53	305	7.1
MAR				
20...	1145	50	311	4.8
APR				
13...	0815	296	218	.7
26...	1100	432	211	4.3
MAY				
10...	1300	840	179	10.1
JUN				
01...	1530	1440	144	11.0
08...	1600	958	169	11.1
22...	1300	447	213	14.1
JUL				
20...	0800	170	287	9.2
AUG				
30...	1230	93	316	13.5
SEP				
26...	1330	94	315	10.5

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT				
07...	1104	160	--	--
20...	0830	119	<1	--
NOV				
15...	1220	61	--	--
17...	1025	54	--	--
DEC				
27...	1200	69	--	--
JAN				
10...	1545	63	--	--
FEB				
29...	1500	53	1	.19
MAR				
20...	1145	50	2	.27
APR				
13...	0815	296	18	15
26...	1100	432	16	19
MAY				
10...	1300	840	19	43
JUN				
01...	1530	1440	22	87
08...	1600	958	11	28
22...	1300	447	2	2.4
JUL				
20...	0800	170	2	.83
AUG				
30...	1230	93	1	.35
SEP				
26...	1315	--	--	--
26...	1316	--	--	--
26...	1317	--	--	--
26...	1318	--	--	--
26...	1319	--	--	--
26...	1320	--	--	--
26...	1321	--	--	--
26...	1322	--	--	--
26...	1323	--	--	--
26...	1330	94	1	.15

09112500 EAST RIVER AT ALMONT, CO

LOCATION.--Lat 38°39'52", long. 106°50'51", in $NW^1/_4SE^1/_4$ sec.22, T.51 N., R.1 E., Gunnison County, Hydrologic Unit 14020001, on left bank at Almont, 200 ft upstream from bridge on State Highway 135, and 400 ft upstream from confluence with Taylor River.

DRAINAGE AREA.--289 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April to October 1905, July 1910 to September 1922, October 1934 to current year. Monthly discharges only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1313: 1911. WSP 1733: 1952. WSP 1924: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,006.29 ft above sea level. Apr. 16 to Sept. 30, 1905, and July 27, 1910 to Apr. 30, 1922, nonrecording gages at bridge 200 ft downstream, at different datums. Oct. 1, 1934 to Sept. 22, 1954, water-stage recorder at present site at datum 2.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 7,400 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	119	91	e64	e56	e52	81	753	1350	298	141	131
2	168	111	99	e64	e56	58	78	861	1240	292	137	127
3	159	108	91	e62	e55	56	80	1060	1180	298	132	123
4	157	109	76	e61	e55	58	81	1240	1130	281	143	118
5	155	109	e75	e60	e55	60	104	1380	1090	261	138	113
6	155	107	e74	e62	e56	62	133	1450	1020	243	127	111
7	179	106	e74	e64	e56	67	155	1400	954	226	122	113
8	186	108	e73	e64	e55	62	175	1450	928	223	116	110
9	190	109	e72	e64	e56	60	201	1150	962	246	104	119
10	179	100	e70	e64	e60	57	259	915	841	254	108	126
11	174	101	e69	e64	e60	54	279	1030	766	234	122	126
12	171	98	e69	e63	e60	64	297	1030	713	229	131	124
13	165	97	e72	e63	e58	58	343	797	649	220	161	123
14	161	96	e73	e63	e58	58	379	698	571	205	148	120
15	158	96	e73	e63	e58	63	358	650	561	236	140	116
16	152	93	e73	e62	e58	61	301	693	559	280	146	114
17	141	97	e74	e62	e59	57	337	859	509	287	150	112
18	150	103	e74	e63	e58	59	426	719	469	242	143	115
19	145	80	e72	e64	e57	56	387	626	526	219	143	130
20	139	83	e70	e64	e57	64	329	596	577	207	150	114
21	138	91	e70	e67	e58	62	393	658	509	189	151	92
22	131	102	e70	e67	e59	60	396	795	447	174	165	107
23	132	75	e69	e66	e58	64	388	1110	411	160	160	110
24	129	80	e68	e64	e56	68	427	1500	390	158	155	109
25	127	92	e66	e66	e56	67	409	1610	396	159	141	108
26	126	101	e67	e67	e54	77	485	1340	423	151	134	105
27	125	93	e66	e66	e54	79	646	1040	414	140	135	103
28	118	90	e64	e66	e54	90	812	1050	394	135	139	107
29	123	88	e63	e64	e52	90	803	1380	364	131	137	111
30	111	89	e62	e64	---	92	748	1540	323	125	134	116
31	118	---	e62	e62	---	88	---	1490	---	129	132	---
TOTAL	4637	2931	2241	1979	1644	2023	10290	32870	20666	6632	4285	3453
MEAN	150	97.7	72.3	63.8	56.7	65.3	343	1060	689	214	138	115
MAX	190	119	99	67	60	92	812	1610	1350	298	165	131
MIN	111	75	62	60	52	52	78	596	323	125	104	92
AC-FT	9200	5810	4450	3930	3260	4010	20410	65200	40990	13150	8500	6850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	118	95.7	73.3	62.3	59.5	68.3	249	1029	1380	568	236	131
MAX	279	172	128	102	90.4	137	670	1978	2670	2037	659	271
(WY)	1912	1987	1985	1985	1962	1986	1936	1936	1920	1957	1995	1965
MIN	56.3	47.8	42.0	25.5	28.7	43.1	77.2	222	289	93.5	25.0	52.4
(WY)	1978	1978	1977	1940	1940	1976	1964	1977	1977	1977	1913	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1911 - 2000	
ANNUAL TOTAL	119946		93651			
ANNUAL MEAN	329		256		340	
HIGHEST ANNUAL MEAN					574	1995
LOWEST ANNUAL MEAN					104	1977
HIGHEST DAILY MEAN	1580	May 29	1610	May 25	5000	Jun 12 1918
LOWEST DAILY MEAN	49	Mar 13	e52	Feb 29	19	Aug 13 1913
ANNUAL SEVEN-DAY MINIMUM	53	Mar 7	54	Feb 24	21	Jan 15 1940
INSTANTANEOUS PEAK FLOW			1800	May 25	a6500	Jun 15 1921
INSTANTANEOUS PEAK STAGE			5.74	May 25	b6.60	Jun 15 1921
ANNUAL RUNOFF (AC-FT)	237900		185800		246200	
10 PERCENT EXCEEDS	1180		757		1060	
50 PERCENT EXCEEDS	169		119		109	
90 PERCENT EXCEEDS	58		59		55	

e Estimated.
a Site and datum then in use, from rating curve extended above 3000 ft^3/s.
b Maximum gage height 8.41 ft, Jun 18, 1995, present datum.

09112500 EAST RIVER AT ALMONT, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--October 1990 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT										
20...	1200	142	309	8.3	4.5	.6	9.7	.0	K1	150
JAN										
11...	1350	77	314	8.7	1.8	--	10.4	--	K1	--
APR										
12...	1340	268	241	8.4	7.4	3.5	9.6	1.4	K1	110
MAY										
11...	0810	1060	171	8.1	5.6	3.7	8.8	.8	K3	79
JUL										
20...	1110	215	322	8.4	12.9	--	8.2	--	24	--
AUG										
30...	1530	134	330	8.4	16.4	<.5	7.5	.2	9	160

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT										
20...	45.7	7.99	.002	.046	<.002	E.10	E.10	E.004	.018	<.001
JAN										
11...	--	--	.001	.070	<.002	.15	<.10	E.005	E.005	.001
APR										
12...	33.7	6.01	.003	.180	.018	.21	.15	.030	.009	.002
MAY										
11...	24.6	4.15	.002	.082	.008	.23	E.10	.028	.009	<.001
JUL										
20...	--	--	.001	.010	.005	E.10	E.10	E.005	<.006	.002
AUG										
30...	49.8	8.22	.001	.025	.009	E.10	E.10	E.006	E.003	.001

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
20...	<15	<.1	<1	E10	<1	E2	<1	<20
APR								
12...	E11	E.1	E1	30	<1	16	<1	E18
MAY								
11...	<15	E.1	1	20	<1	6	<1	<20
AUG								
30...	<15	E.1	<1	<10	<1	4	<1	<20

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					JUN				
07...	1703	199	288	7.7	28...	1400	403	274	13.7
NOV					AUG				
16...	1626	67	326	4.8	09...	1500	100	340	18.0
MAR									
01...	0846	45	323	.6					

09112500 EAST RIVER AT ALMONT, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT					
20...	1200	142	4.5	<1	--
APR					
12...	1340	268	7.4	9	6.2
MAY					
11...	0810	1060	5.6	28	81
AUG					
30...	1530	134	16.4	2	.76

09113980 OHIO CREEK ABOVE MOUTH, NEAR GUNNISON, CO

LOCATION.--Lat 38°35'16", long 106°55'51", in $SW^1/_4SW^1/_4$ sec.13, T.50 N., R.1 W., Gunnison County, Hydrologic Unit 14020002, on left bank at County Road 48 bridge, 1.1 mi upstream from confluence with the Gunnison River, and 3.1 mi north of Gunnison.

DRAINAGE AREA.--161 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1998 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,770 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 10,000 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	17	24	e20	e17	e20	40	256	199	41	34	43
2	31	16	24	e19	e17	20	38	287	188	40	31	40
3	30	16	23	e18	e17	e21	41	325	178	41	31	35
4	29	16	21	e18	e18	e22	45	355	167	39	32	31
5	29	16	e22	e19	e18	e22	67	375	162	35	30	29
6	26	16	e23	e19	e19	e21	99	357	143	34	27	30
7	37	16	e22	e19	e18	20	121	331	131	37	25	36
8	43	16	e22	e20	e18	19	127	407	124	44	23	36
9	45	16	e22	e19	e18	19	135	350	132	64	22	45
10	37	12	e22	e19	e19	18	147	295	119	84	19	34
11	33	11	22	e19	e20	e20	142	290	107	62	20	29
12	32	11	e22	e18	e21	19	145	270	99	54	23	27
13	31	12	e22	e17	e20	22	165	217	85	60	46	23
14	29	12	e21	e17	19	23	180	192	72	57	30	23
15	30	13	e20	e17	e19	22	171	164	66	131	26	21
16	30	14	e21	e17	e20	19	139	127	54	149	25	18
17	27	13	e21	18	20	22	169	136	43	121	28	17
18	29	15	e21	17	20	22	203	119	44	99	43	19
19	26	13	e21	18	e19	23	169	107	53	78	36	17
20	19	13	e21	e19	e18	21	135	92	63	70	34	15
21	17	15	e21	e19	e18	20	161	93	59	67	40	16
22	17	19	e20	18	e19	20	153	94	52	62	44	18
23	17	21	e20	e18	e19	22	146	126	46	59	39	18
24	16	21	e20	e18	e18	27	166	207	46	58	36	16
25	16	e21	e20	19	e18	30	169	243	53	60	31	20
26	15	17	e20	19	e19	37	205	218	67	55	35	18
27	16	21	e20	18	e19	51	265	180	56	54	45	15
28	16	23	e20	e18	e20	53	302	174	50	48	35	14
29	17	23	e20	e18	20	56	288	235	45	44	44	18
30	15	25	e20	e18	---	53	261	253	41	40	54	22
31	16	---	e20	e17	---	43	---	222	---	38	47	---
TOTAL	803	490	658	567	545	827	4594	7097	2744	1925	1035	743
MEAN	25.9	16.3	21.2	18.3	18.8	26.7	153	229	91.5	62.1	33.4	24.8
MAX	45	25	24	20	21	56	302	407	199	149	54	45
MIN	15	11	20	17	17	18	38	92	41	34	19	14
AC-FT	1590	972	1310	1120	1080	1640	9110	14080	5440	3820	2050	1470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	25.9	16.3	21.2	18.4	18.0	36.0	96.0	198	164	107	68.1	37.0
MAX	25.9	16.3	21.2	18.5	18.8	45.3	153	229	236	152	103	49.2
(WY)	2000	2000	2000	1999	2000	1999	2000	2000	1999	1999	1999	1999
MIN	25.9	16.3	21.2	18.3	17.2	26.7	38.8	167	91.5	62.1	33.4	24.8
(WY)	2000	2000	2000	2000	1999	2000	1999	1999	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	27194		22028			
ANNUAL MEAN	74.5		60.2		60.2	
HIGHEST ANNUAL MEAN					60.2	2000
LOWEST ANNUAL MEAN					60.2	2000
HIGHEST DAILY MEAN	385	Jun 18	407	May 8	407	May 8 2000
LOWEST DAILY MEAN	11	Nov 11	11	Nov 11	a11	Nov 11 1999
ANNUAL SEVEN-DAY MINIMUM	12	Nov 10	12	Nov 10	12	Nov 10 1999
INSTANTANEOUS PEAK FLOW			458	May 5	497	Jun 18 1999
INSTANTANEOUS PEAK STAGE			4.36	May 5	4.45	Jun 18 1999
ANNUAL RUNOFF (AC-FT)	53940		43690		43600	
10 PERCENT EXCEEDS	202		168		192	
50 PERCENT EXCEEDS	37		26		35	
90 PERCENT EXCEEDS	16		17		17	

e Estimated.
a Also occurred Nov 12, 1999.

09113980 OHIO CREEK ABOVE MOUTH, NEAR GUNNISON, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--October 1996 to current year.

REMARKS--Prior to September 1998, published as site number 383516106555000.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT 20...	1340	19	233	8.1	8.3	--	8.6	.0	K10	--
JAN 11...	1540	19	199	8.3	1.0	--	10.1	--	14	--
APR 07...	0930	95	234	8.0	1.2	--	10.3	2.9	34	--
MAY 10...	1020	310	103	7.9	6.5	20	8.9	1.1	K220	41
JUL 20...	1210	70	309	8.2	16.0	--	7.6	--	120	--
AUG 31...	0715	48	223	8.2	11.9	17	7.4	.0	K520	96

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT 20...	--	--	<.001	.013	<.002	.14	.11	.035	.025	.014
JAN 11...	--	--	<.001	.015	<.002	.16	.12	.031	.020	.016
APR 07...	--	--	<.001	.113	.004	.54	.34	.128	.055	.046
MAY 10...	11.7	2.88	<.001	.045	.011	.42	.21	.119	.026	.018
JUL 20...	--	--	.001	.010	.003	.29	.22	.068	.029	.021
AUG 31...	26.7	7.10	.001	.007	.007	.36	.18	.101	.033	.024

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
MAY 10...	<15	<.1	E1	50	<1	13	<1	<20
AUG 31...	<15	<.1	<1	30	<1	34	<1	<20

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT 06...	1410	26	204	11.9	FEB 29...	1212	19	179	2.7
NOV 18...	0932	16	293	2.9	JUN 27...	1620	55	363	17.0

09113980 OHIO CREEK ABOVE MOUTH, NEAR GUNNISON, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT				
20...	1340	19	1	.03
MAY				
10...	1020	310	75	63
AUG				
31...	0715	48	29	3.7

09114500 GUNNISON RIVER NEAR GUNNISON, CO

LOCATION.--Lat 38°32'31", long 106°56'57", in $NW^1/_4NW^1/_4$ sec.2, T.49 N., R.1 W., Gunnison County, Hydrologic Unit 14020002, on right bank 0.7 mi downstream from Antelope Creek and 1.2 mi west of Gunnison.

DRAINAGE AREA.--1,012 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1910 to December 1928, October 1944 to current year. Monthly discharges only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1313: 1911, 1916.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,655 ft above sea level, from topographic map. Nov. 25, 1910 to Dec. 31, 1928, nonrecording gages (supplementary water-stage recorder Apr. 28, 1916 to June 17, 1918) at bridge about 0.6 mi downstream at various datums. April 11, 1945 to July 28, 1970, water-stage recorder at sites 0.4 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Taylor Park Reservoir (station 09108500), 37 mi upstream from station. Diversions for irrigation of about 22,000 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	525	322	284	e250	e230	247	271	1170	2100	761	603	371
2	467	316	303	e250	e235	253	265	1280	1970	740	552	356
3	431	311	294	e240	e240	249	275	1500	1910	736	545	346
4	397	306	275	e235	e250	250	273	1700	1850	716	547	342
5	414	305	267	e240	e255	252	307	1930	1820	701	541	343
6	436	301	273	e240	e250	252	356	2060	1780	683	524	345
7	527	297	e275	e240	e245	257	400	2040	1700	672	514	362
8	581	293	e270	e250	e245	255	424	2270	1660	675	505	359
9	587	296	e265	e250	e255	253	457	1920	1690	721	486	380
10	564	288	e265	e250	e270	251	526	1560	1580	737	481	366
11	566	286	e280	e240	e280	241	550	1650	1480	692	491	359
12	561	276	e270	e235	e270	260	569	1660	1400	664	502	355
13	553	276	e275	e240	e260	250	678	1370	1280	668	559	345
14	544	276	e280	e235	e250	250	810	1250	1160	662	484	311
15	526	276	e260	e240	e260	258	871	1150	1120	794	444	304
16	512	270	e260	e250	278	252	719	1120	1060	933	416	298
17	470	277	e270	e260	278	248	731	1270	995	904	422	295
18	450	289	e270	e260	280	251	844	1130	948	816	417	303
19	445	266	e270	e280	270	241	760	1040	1000	791	423	304
20	439	272	e275	e280	266	256	635	967	1110	755	427	290
21	442	277	e280	e275	276	250	729	986	1020	721	428	285
22	437	291	e285	e270	270	248	702	1100	951	704	434	331
23	429	270	e260	e265	266	255	664	1430	901	684	415	340
24	424	270	e265	e250	265	261	735	2000	859	678	406	335
25	419	297	e270	e250	260	262	714	2300	883	704	422	338
26	416	383	e255	e260	256	277	814	2020	964	701	426	338
27	410	292	e250	e280	257	285	1040	1710	933	683	429	337
28	395	281	e255	e260	256	299	1250	1660	885	659	417	338
29	372	277	e255	e236	252	298	1270	2040	832	643	412	349
30	321	280	e250	e230	---	294	1190	2290	797	624	403	338
31	320	---	e250	e230	---	286	---	2220	---	616	376	---
TOTAL	14380	8717	8356	7771	7525	8041	19829	49793	38638	22238	14451	10063
MEAN	464	291	270	251	259	259	661	1606	1288	717	466	335
MAX	587	383	303	280	280	299	1270	2300	2100	933	603	380
MIN	320	266	250	230	230	241	265	967	797	616	376	285
AC-FT	28520	17290	16570	15410	14930	15950	39330	98760	76640	44110	28660	19960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	406	301	238	212	205	252	613	1844	2511	1288	742	548
MAX	805	614	616	395	365	582	1381	3605	6074	4621	1510	908
(WY)	1969	1968	1966	1966	1971	1986	1962	1914	1918	1957	1957	1985
MIN	186	162	128	119	111	117	214	283	425	288	317	221
(WY)	1978	1964	1963	1945	1955	1964	1964	1977	1977	1977	1977	1924

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1911 - 2000	
ANNUAL TOTAL	255185		209802			
ANNUAL MEAN	699		573		765	
HIGHEST ANNUAL MEAN					1278	1995
LOWEST ANNUAL MEAN					256	1977
HIGHEST DAILY MEAN	2580	Jun 18	2300	May 25	11400	Jun 11 1918
LOWEST DAILY MEAN	e200	Jan 29	e230	Jan 30	80	Dec 27 1962
ANNUAL SEVEN-DAY MINIMUM	220	Mar 9	236	Jan 29	95	Dec 25 1962
INSTANTANEOUS PEAK FLOW			2520	May 30	a11400	Jun 13 1918
INSTANTANEOUS PEAK STAGE			3.10	May 30	b6.74	Jul 1 1957
ANNUAL RUNOFF (AC-FT)	506200		416100		554300	
10 PERCENT EXCEEDS	1840		1260		1910	
50 PERCENT EXCEEDS	459		358		395	
90 PERCENT EXCEEDS	237		250		180	

e Estimated.
a Site and datum then in use, from rating curve extended above 5000 ft^3/s, gage height, 4.05 ft.
b Site and datum then in use.

09114500 GUNNISON RIVER NEAR GUNNISON, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--April 1995 to current year.

REMARKS--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT										
21...	0920	446	200	8.0	3.4	--	10.4	.1	K3	--
JAN										
12...	1040	258	202	8.3	.0	--	11.4	--	K2	--
APR										
06...	1440	359	215	8.4	9.9	--	8.7	1.0	K1	--
MAY										
11...	1140	1800	155	8.2	9.0	3.9	8.7	1.1	67	73
JUL										
20...	1340	780	224	8.4	14.9	--	8.3	--	19	--
AUG										
31...	1100	387	214	8.3	13.4	<.5	8.2	.2	62	98

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT										
21...	--	--	<.001	.020	<.002	.10	E.10	<.008	E.003	<.001
JAN										
12...	--	--	<.001	.019	<.002	.11	<.10	<.008	E.003	<.001
APR										
06...	--	--	<.001	.057	<.002	.28	.12	.039	.014	.015
MAY										
11...	21.9	4.33	<.001	.057	.005	.25	.12	.025	.009	.002
JUL										
20...	--	--	.001	.006	.003	.15	.10	.019	.006	.006
AUG										
31...	29.2	6.04	.001	.017	.005	.15	.10	.021	.007	.005

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
MAY								
11...	E10	<.1	E1	30	<1	8	<1	E11
AUG								
31...	<15	<.1	<1	20	<1	10	<1	<20

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	1602	424	204	11.3
NOV				
17...	1606	253	236	4.8
FEB				
29...	1435	262	206	5.2
JUN				
28...	0855	935	246	9.7

09114500 GUNNISON RIVER NEAR GUNNISON, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT					
21...	0920	446	3.4	<1	--
MAY					
11...	1140	1800	9.0	32	153

09115500 TOMICHI CREEK AT SARGENTS, CO

LOCATION.--Lat 38°24'42", long 106°25'20", in $SW^1/_4SW^1/_4$ sec.21, T.48 N., R.5 E., Saguache County, Hydrologic Unit 14020003, on right bank 300 ft from U.S. Highway 50, 0.5 mi downstream from Marshall Creek, and 0.8 mi south of Sargents.

DRAINAGE AREA.-- 149 mi^2.

PERIOD OF RECORD.--October 1916 to September 1922, October 1937 to September 1972, October 1992 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1313: 1922(M). WRD Colo. 1967: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 8,416 ft above sea level, from topographic map. May 12 to Oct. 5, 1917, nonrecording gage. Oct. 6, 1917 to Sept. 30, 1922, water-stage recorder, at railroad bridge 1,000 ft upstream at different datum. Apr. 18, 1938 to Sept. 9, 1953, water-stage recorder at present site at datum 1.0 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 1,900 acres upstream from station. Larkspur ditch diverts water upstream from station to Arkansas River basin. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	31	e24	e21	e23	e27	e45	116	139	42	24	30
2	29	30	e25	e21	e24	e27	e46	120	127	38	25	26
3	29	30	e24	e21	e24	e28	e60	150	116	48	26	25
4	28	34	e23	e21	e24	e28	e72	178	108	44	26	26
5	28	33	e23	e21	e24	e29	e80	210	100	37	24	36
6	29	33	e22	e21	e24	e29	82	232	93	35	22	35
7	30	34	e22	e21	e24	e28	84	236	87	34	22	36
8	33	33	e22	e21	e25	e28	81	273	79	37	21	37
9	31	26	e23	e21	e25	e29	85	239	79	41	20	37
10	30	28	e23	e21	e26	e27	79	229	73	40	19	33
11	29	31	e23	e21	e25	e27	69	242	67	34	19	30
12	29	32	e22	e22	e24	e27	67	228	65	34	23	29
13	28	29	e22	e23	e24	e26	73	196	58	36	36	28
14	27	34	e22	e24	e24	e27	75	183	59	35	32	27
15	27	37	e21	e25	e24	e27	70	167	56	51	24	26
16	27	35	e22	e26	e24	e26	61	155	58	41	33	25
17	28	e34	e22	e27	e23	e26	71	164	54	40	29	24
18	31	e29	e23	e27	e23	e27	83	157	54	35	33	26
19	30	e25	e23	e27	e22	e29	79	155	61	30	31	27
20	29	e29	e23	e27	e23	e32	67	142	54	25	28	25
21	29	e33	e22	e26	e23	e36	76	132	46	23	35	26
22	29	e31	e22	e25	e22	e35	78	126	49	22	48	35
23	29	e23	e22	e25	e23	e42	73	148	51	21	37	31
24	29	e23	e21	e26	e23	e54	74	173	59	22	28	32
25	29	e23	e21	e27	e24	e68	75	177	53	24	29	31
26	29	e24	e21	e28	e25	e80	84	164	69	23	31	31
27	30	e24	e21	e25	e26	e90	106	153	77	25	31	29
28	28	e24	e21	e23	e27	e82	124	148	53	24	29	28
29	28	e24	e21	e22	e27	e74	126	156	43	27	28	29
30	29	e24	e21	e22	---	e66	137	160	39	27	30	29
31	32	---	e21	e22	---	e58	---	148	---	25	33	---
TOTAL	903	880	688	730	699	1239	2382	5457	2126	1020	876	889
MEAN	29.1	29.3	22.2	23.5	24.1	40.0	79.4	176	70.9	32.9	28.3	29.6
MAX	33	37	25	28	27	90	137	273	139	51	48	37
MIN	27	23	21	21	22	26	45	116	39	21	19	24
AC-FT	1790	1750	1360	1450	1390	2460	4720	10820	4220	2020	1740	1760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	31.7	28.2	23.6	21.8	22.3	28.4	68.0	201	201	65.7	39.8	29.6
MAX	48.9	38.1	39.0	43.2	49.6	50.3	139	382	588	255	128	59.5
(WY)	1971	1997	1996	1996	1996	1972	1962	1958	1957	1957	1957	1957
MIN	18.8	17.6	13.3	10.7	10.9	15.0	34.4	50.4	19.8	19.5	13.7	13.5
(WY)	1956	1967	1967	1967	1967	1970	1967	1954	1954	1940	1950	1950

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1917 - 2000	
ANNUAL TOTAL	19269		17889			
ANNUAL MEAN	52.8		48.9		63.6	
HIGHEST ANNUAL MEAN					122	1921
LOWEST ANNUAL MEAN					26.8	1967
HIGHEST DAILY MEAN	248	May 26	273	May 8	838	Jun 18 1995
LOWEST DAILY MEAN	e17	Jan 28	19	Aug 10	6.0	Nov 16 1920
ANNUAL SEVEN-DAY MINIMUM	20	Jan 8	21	Aug 6	8.5	Sep 5 1959
INSTANTANEOUS PEAK FLOW			297	May 8	964	Jun 18 1995
INSTANTANEOUS PEAK STAGE			2.16	May 8	a4.03	Jun 18 1995
ANNUAL RUNOFF (AC-FT)	38220		35480		46050	
10 PERCENT EXCEEDS	125		116		156	
50 PERCENT EXCEEDS	33		29		30	
90 PERCENT EXCEEDS	21		22		18	

e Estimated.
a Maximum gage height for period of record, 4.05 ft, Jun 16, 1917, and Jun 9, 1921, site and datum then in use.

09118450 COCHETOPA CREEK BELOW ROCK CREEK, NEAR PARLIN, CO

LOCATION.--Lat 38°20'08", long 106°46'18", in SW $^1/_4$NE $^1/_4$ sec.17, T.47 N., R.2 E. Saguache County, Hydrologic Unit 14020003, on left bank 0.75 mi downstream from Rock Creek and 12 mi south of Parlin.

DRAINAGE AREA.--334 mi ^{2}.

PERIOD OF RECORD.--October 1981 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,470 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of hay meadows upstream from station. Transmountain diversion by Tarbell ditch exports water upstream from station to Saguache Creek, since 1913. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	40	e30	e25	23	22	33	89	62	18	11	35
2	58	37	e30	e25	20	26	32	84	59	17	11	32
3	55	35	e31	e24	20	25	33	87	52	25	11	31
4	54	36	e32	e24	21	26	47	96	32	19	14	31
5	49	36	e30	e24	21	32	78	103	26	16	12	32
6	49	36	e26	e24	20	28	91	106	13	17	17	32
7	56	36	e29	e24	19	31	90	96	12	19	16	33
8	55	36	e30	e23	19	24	72	119	12	21	13	35
9	51	38	e29	e23	20	29	70	119	15	27	18	32
10	48	34	e29	e24	21	25	72	110	17	34	15	29
11	47	34	e28	e25	21	30	65	119	20	24	15	28
12	46	34	e29	25	20	e30	59	110	21	29	19	27
13	44	34	e29	21	20	26	62	101	21	26	25	27
14	44	37	e28	19	22	30	64	96	18	18	29	26
15	43	35	e28	18	21	30	61	86	17	20	24	25
16	42	35	e27	19	20	29	47	84	15	20	23	24
17	40	37	e27	21	22	31	50	79	14	16	26	24
18	41	36	e28	22	23	31	62	72	17	14	35	24
19	43	33	e28	23	21	34	62	66	25	11	39	26
20	40	e32	e27	24	19	25	51	62	22	12	34	24
21	40	e34	e27	23	21	25	58	60	23	15	35	24
22	40	e32	e25	23	23	24	60	57	28	14	40	24
23	40	e28	e25	22	22	26	60	65	31	13	43	27
24	39	e27	e25	20	23	30	60	85	32	14	47	29
25	38	e28	e27	21	21	36	61	88	31	9.6	41	28
26	38	e30	e27	22	17	48	67	72	33	7.9	42	25
27	42	e30	e27	24	21	58	84	57	37	15	43	25
28	43	e30	e26	22	23	55	103	47	30	14	41	24
29	46	e30	e26	19	25	54	122	57	25	11	39	26
30	42	e30	e26	20	---	52	109	70	18	12	39	28
31	42	---	e26	21	---	37	---	71	---	13	37	---
TOTAL	1413	1010	862	694	609	1009	1985	2613	778	541.5	854	837
MEAN	45.6	33.7	27.8	22.4	21.0	32.5	66.2	84.3	25.9	17.5	27.5	27.9
MAX	58	40	32	25	25	58	122	119	62	34	47	35
MIN	38	27	25	18	17	22	32	47	12	7.9	11	24
AC-FT	2800	2000	1710	1380	1210	2000	3940	5180	1540	1070	1690	1660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	37.7	31.4	23.6	20.4	20.9	32.4	54.5	86.7	90.3	54.3	66.2	48.0
MAX	72.6	49.9	39.5	36.6	33.4	52.3	135	413	240	130	153	90.8
(WY)	1983	1983	1985	1984	1986	1985	1987	1984	1984	1995	1999	1982
MIN	17.7	15.0	10.3	11.1	10.5	12.5	27.9	18.4	21.5	17.5	16.0	14.7
(WY)	1990	1993	1982	1982	1982	1982	1990	1989	1989	2000	1996	1996

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1982 - 2000	
ANNUAL TOTAL	22086		13205.5			
ANNUAL MEAN	60.5		36.1		47.3	
HIGHEST ANNUAL MEAN					106	1984
LOWEST ANNUAL MEAN					24.8	1994
HIGHEST DAILY MEAN	204	Aug 11	122	Apr 29	954	May 23 1984
LOWEST DAILY MEAN	e16	Jan 28	7.9	Jul 26	7.9	Jul 26 2000
ANNUAL SEVEN-DAY MINIMUM	19	Jan 27	12	Jul 25	8.9	Feb 7 1982
INSTANTANEOUS PEAK FLOW			150	Apr 29	1120	May 23 1984
INSTANTANEOUS PEAK STAGE			2.91	Apr 29	a4.49	May 23 1984
ANNUAL RUNOFF (AC-FT)	43810		26190		34270	
10 PERCENT EXCEEDS	132		65		92	
50 PERCENT EXCEEDS	43		29		34	
90 PERCENT EXCEEDS	21		17		16	

e Estimated.
a Maximum gage height, 5.64 ft, Mar 25, 1998, backwater from ice.

09119000 TOMICHI CREEK AT GUNNISON, CO

LOCATION.--Lat 38°31'18", long 106°56'25", in $NE^1/_4SW^1/_4$ sec.11, T.49 N., R.1 W., Gunnison County, Hydrologic Unit 14020003, on right bank 300 ft downstream from highway bridge, 1.8 mi southwest of Post Office in Gunnison, and 2.0 mi upstream from mouth.

DRAINAGE AREA.--1,061 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November and December 1910 (gage heights and discharge measurements only), October 1937 to current year. Monthly discharges only for some periods, published in WSP 1313. Published as "near Gunnison" 1910.

REVISED RECORDS.--WSP 2124: Drainage area. WDR CO-86-2: 1985.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,628.58 ft above sea level. Nov. 25 to Dec. 24, 1910, nonrecording gage 300 ft upstream at different datum. Apr. 20, 1938 to Oct. 2, 1940, water-stage recorder at present site at datum 1.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 24,000 acres upstream from station. Water diverted upstream from station by Larkspur ditch to Arkansas River basin since 1935 and by Tarbell ditch to Rio Grande basin since 1914.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	116	e88	e81	e83	e98	163	276	253	54	107	e145
2	138	117	e90	e81	e83	e98	147	250	236	47	105	e140
3	136	109	e90	e80	e85	e97	151	234	231	47	107	e133
4	134	103	e90	e79	e88	e98	150	272	215	44	113	e130
5	129	107	e88	e79	e89	e100	199	323	181	49	110	e122
6	119	106	e86	e80	e89	e104	256	377	163	51	94	e120
7	121	104	e84	e80	e87	e105	283	412	131	48	89	123
8	132	106	e82	e80	e87	e104	271	482	87	45	89	129
9	131	108	e83	e81	e88	e105	256	564	71	50	85	145
10	127	107	e85	e80	e96	e103	269	491	68	62	84	135
11	124	98	e85	e80	e96	e98	264	421	71	61	80	123
12	120	96	e84	e78	e96	e98	240	416	68	57	67	121
13	115	94	e82	e81	e94	e99	231	393	60	52	78	116
14	108	91	e80	e84	e90	e98	243	368	54	53	91	102
15	107	94	e80	e88	e89	e98	246	330	42	118	88	99
16	106	101	e80	e90	e89	e99	237	300	e35	168	92	100
17	104	105	e80	e93	e89	e98	214	286	29	183	95	92
18	103	127	e80	e96	e88	e97	226	287	23	144	106	100
19	108	100	e82	e100	e85	e96	243	308	22	106	128	95
20	107	74	e83	e101	e83	e98	232	305	36	91	130	73
21	104	104	e84	e100	e84	e110	216	272	40	82	123	77
22	105	120	e85	e99	e86	124	229	251	42	81	142	66
23	104	88	e85	e96	e85	120	226	216	48	68	139	67
24	102	e86	e84	e91	e84	136	214	249	53	70	143	78
25	102	e84	e82	e92	e85	162	207	263	54	84	154	95
26	101	e86	e80	e100	e88	227	197	259	60	84	138	93
27	108	e86	e80	e102	e92	259	213	252	61	86	141	87
28	115	e88	e80	e92	e96	315	245	239	57	90	140	87
29	118	e88	e80	e86	e98	273	243	235	67	89	139	90
30	122	e88	e80	e84	---	255	244	251	62	90	145	98
31	114	---	e80	e83	---	221	---	266	---	92	e150	---
TOTAL	3607	2981	2582	2717	2572	4193	6755	9848	2620	2446	3492	3181
MEAN	116	99.4	83.3	87.6	88.7	135	225	318	87.3	78.9	113	106
MAX	143	127	90	102	98	315	283	564	253	183	154	145
MIN	101	74	80	78	83	96	147	216	22	44	67	66
AC-FT	7150	5910	5120	5390	5100	8320	13400	19530	5200	4850	6930	6310

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	95.5	102	77.4	67.5	70.1	113	242	402	476	196	162	94.4
MAX	209	158	117	116	98.0	279	564	2073	1481	859	440	318
(WY)	1970	1971	1987	1971	1986	1939	1942	1984	1984	1957	1957	1970
MIN	33.5	62.4	45.8	37.1	36.2	59.8	56.5	22.4	51.8	42.5	51.5	19.2
(WY)	1964	1951	1964	1979	1979	1981	1967	1977	1977	1955	1977	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1938 - 2000	
ANNUAL TOTAL	63452		46994			
ANNUAL MEAN	174		128		175	
HIGHEST ANNUAL MEAN					478	1984
LOWEST ANNUAL MEAN					60.4	1977
HIGHEST DAILY MEAN	522	Jun 18	564	May 9	4040	May 26 1984
LOWEST DAILY MEAN	e58	Jan 28	22	Jun 19	2.6	Sep 30 1977
ANNUAL SEVEN-DAY MINIMUM	60	Jan 28	32	Jun 15	7.6	May 4 1967
INSTANTANEOUS PEAK FLOW			582	May 9	4620	May 23 1984
INSTANTANEOUS PEAK STAGE			2.94	May 9	5.49	May 23 1984
ANNUAL RUNOFF (AC-FT)	125900		93210		126900	
10 PERCENT EXCEEDS	363		250		388	
50 PERCENT EXCEEDS	121		98		100	
90 PERCENT EXCEEDS	69		68		54	

e Estimated.

09119000 TOMICHI CREEK AT GUNNISON, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--October 1990 to September 1993, April 1995 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-deal colony count; M, presence of materials verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT										
21...	0820	102	250	8.0	2.1	--	10.2	.0	40	--
JAN										
12...	0845	78	258	7.9	.0	--	9.4	--	K4	--
APR										
07...	1020	305	226	8.1	6.0	--	9.0	2.7	K11	--
MAY										
10...	0815	511	246	8.1	9.8	8.1	7.6	1.6	220	97
JUL										
20...	1300	90	398	8.4	20.5	--	8.9	--	65	--
AUG										
31...	0830	157	290	8.2	14.2	<.5	7.3	.0	190	130

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT										
21...	--	--	<.001	<.005	<.002	.17	.13	.040	.023	.012
JAN										
12...	--	--	.002	.106	.003	.13	E.10	.035	.021	.014
APR										
07...	--	--	<.001	.047	.017	1.2	.41	.269	.052	.040
MAY										
10...	25.7	7.91	<.001	.023	.003	.75	.42	.133	.056	.038
JUL										
20...	--	--	.001	.013	.008	.44	.36	.065	.042	.030
AUG										
31...	35.5	9.09	.001	.011	.009	.33	.22	.067	.041	.029

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
MAY								
10...	<15	<.1	2	90	<1	29	<1	<20
AUG								
31...	<15	<.1	<1	40	<1	30	<1	<20

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					APR				
06...	1727	119	231	12.2	04...	1620	149	291	10.1
NOV					JUN				
18...	1101	127	274	2.4	16...	0950	35	375	13.9
FEB					AUG				
29...	1500	98	249	2.1	30...	0745	153	292	19.9

09119000 TOMICHI CREEK AT GUNNISON, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT					
21...	0820	102	2.1	3	.88
MAY					
10...	0815	511	9.8	92	127

383103106594200 GUNNISON RIVER AT COUNTY ROAD 32 BELOW GUNNISON, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°31'03", long 106°59'42", in SW$^1/_4$SE$^1/_4$ sec.8, T.49 N., R.1 W., Gunnison County, Hydrologic Unit 14020002, at County Road 32 bridge, 0.25 mi south of US HWY 50, and 3.3 mi west of Gunnison.

DRAINAGE AREA.--2,128 mi^2.

PERIOD OF RECORD.--December 1994 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1996 to September 1998.

INSTRUMENTATION.--Water temperature sensor and logger October 1996 to September 1998.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 19.5°C, July 18, 1998; minimum, 0.0°C on many days during winters.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT										
21...	1100	544	214	8.0	3.9	.8	10.6	.0	K4	100
DEC										
06...	1500	328	241	8.5	.0	--	11.3	--	--	--
JAN										
12...	1245	344	224	8.4	.1	--	11.2	--	K2	--
APR										
12...	1240	818	217	8.3	7.3	5.0	9.6	1.9	15	92
MAY										
25...	1240	2610	169	8.0	10.2	23	8.3	1.4	180	80
JUL										
20...	1440	767	245	8.5	16.7	--	8.5	--	460	--
AUG										
31...	1300	558	238	8.5	16.9	<.5	8.2	.2	37	110

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT										
21...	30.1	6.75	.002	.014	<.002	.17	.10	.022	.016	.007
DEC										
06...	--	--	.001	.047	<.002	.10	E.10	.039	.019	.011
JAN										
12...	--	--	.001	.123	<.002	.14	.12	.033	.025	.019
APR										
12...	26.3	6.33	.002	.095	<.002	.34	.21	.070	.029	.020
MAY										
25...	23.9	4.86	<.001	.059	.004	.38	.20	.104	.016	.015
JUL										
20...	--	--	.001	.017	.017	.21	.15	.032	.012	.009
AUG										
31...	30.9	6.86	.002	.040	.009	.16	.11	.036	.022	.016

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
OCT									
21...	<15	<.1	<1	20	<1	12	<1	<20	<.02
APR									
12...	<15	<.1	E1	70	<1	16	<1	<20	--
MAY									
25...	<15	<.1	<1	30	<1	15	<1	<20	--
AUG									
31...	<15	<.1	<1	20	<1	14	<1	<20	--

383103106594200 GUNNISON RIVER AT COUNTY ROAD 32 BELOW GUNNISON, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT					
21...	1100	544	3.9	1	1.3
DEC					
06...	1500	328	.0	5	4.5
APR					
12...	1240	818	7.3	19	43
MAY					
25...	1240	2610	10.2	92	649
AUG					
31...	1300	558	16.9	6	8.9

09124500 LAKE FORK AT GATEVIEW, CO

LOCATION.--Lat 38°17'56", long 107°13'46", in $SE^1/_4NE^1/_4$ sec.29, T.47 N., R.3 W., Gunnison County, Hydrologic Unit 14020002, on left bank at old village of Gateview, 25 ft downstream from private bridge, 0.2 mi upstream from Indian Creek, and 6.3 mi upstream from waterline of Blue Mesa Reservoir, at elevation 7,519 ft.

DRAINAGE AREA.--334 mi^2.

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for some periods, published in WSP 1313. Water-quality data available October 1990 to September 1993. Sediment data available October 1998 to September 1999.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,827.66 ft above sea level. Prior to Oct. 1, 1938, at datum 2.00 ft higher, Oct. 1, 1938 to Sept. 30, 1945, at datum 1.00 ft higher, and Oct. 1, 1945 to Sept. 3, 1991, at datum 1.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 1,600 acres upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	90	e66	e62	e54	e56	e76	381	1240	316	110	187
2	168	84	e68	e60	e53	e57	e74	363	1120	302	104	176
3	161	81	e72	e58	e54	e58	e74	472	1040	299	108	167
4	154	81	e70	e58	e58	e59	e76	631	1030	274	114	155
5	150	81	e65	e60	e57	e61	96	792	996	258	106	148
6	147	79	e68	e60	e56	e58	118	861	859	245	101	148
7	151	79	e66	e60	e56	e59	131	808	901	219	95	162
8	152	80	e66	e61	e56	e58	139	883	874	198	87	163
9	148	80	e64	e62	e57	e60	143	733	886	215	87	164
10	140	71	e66	e60	e60	e57	166	615	797	213	88	148
11	135	73	e66	e58	e63	e54	173	647	697	207	89	144
12	130	71	e64	e58	e62	e56	162	619	647	215	94	137
13	125	67	e64	e58	e58	e56	168	538	607	218	126	129
14	121	65	e62	e58	e56	e56	188	479	546	229	118	119
15	117	67	e58	e60	e56	e58	207	428	452	247	122	113
16	115	64	e60	e63	e58	e60	189	421	542	256	130	109
17	107	67	e62	e64	e57	e60	186	468	514	247	127	108
18	107	71	e62	e66	e56	e58	225	431	470	235	145	126
19	106	56	e62	e68	e54	e56	227	406	480	215	180	117
20	96	57	e62	e67	e54	e58	202	390	454	197	183	106
21	97	63	e65	e64	e54	e58	206	464	430	183	183	102
22	92	63	e64	e66	e56	e61	224	654	400	172	203	100
23	92	60	e62	e62	e55	e60	224	1030	377	160	195	94
24	89	e60	e64	e60	e54	e60	226	1400	379	154	196	99
25	89	e60	e66	e61	e53	e62	236	1410	398	147	220	99
26	89	e63	e63	e66	e52	e64	265	1020	376	146	212	99
27	89	e64	e61	e65	e54	e64	342	859	368	141	198	98
28	87	e64	e63	e62	e57	e75	462	1020	364	135	190	98
29	92	e65	e64	e58	e56	e76	511	1400	341	132	200	100
30	81	e66	e63	e54	---	e76	451	1470	329	124	205	104
31	90	---	e62	e54	---	e77	---	1380	---	120	199	---
TOTAL	3691	2092	1990	1893	1626	1888	6167	23473	18914	6419	4515	3819
MEAN	119	69.7	64.2	61.1	56.1	60.9	206	757	630	207	146	127
MAX	174	90	72	68	63	77	511	1470	1240	316	220	187
MIN	81	56	58	54	52	54	74	363	329	120	87	94
AC-FT	7320	4150	3950	3750	3230	3740	12230	46560	37520	12730	8960	7570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	96.0	68.9	52.6	46.7	44.2	56.4	132	538	987	487	209	132
MAX	242	143	75.7	66.5	71.0	102	340	1153	1586	1266	480	430
(WY)	1942	1942	1984	1984	1986	1939	1952	1984	1944	1957	1999	1970
MIN	40.3	42.7	34.6	32.5	30.4	30.5	53.3	205	263	107	82.5	45.5
(WY)	1957	1940	1940	1977	1990	1977	1990	1977	1977	1977	1956	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1938 - 2000	
ANNUAL TOTAL	112378		76487			
ANNUAL MEAN	308		209		238	
HIGHEST ANNUAL MEAN					413	1984
LOWEST ANNUAL MEAN					88.7	1977
HIGHEST DAILY MEAN	1550	Jun 26	1470	May 30	2410	Jun 29 1957
LOWEST DAILY MEAN	e50	Jan 29	e52	Feb 26	22	Jan 21 1976
ANNUAL SEVEN-DAY MINIMUM	56	Mar 8	54	Feb 20	23	Jan 19 1976
INSTANTANEOUS PEAK FLOW			1730	May 30	2720	Jul 10 1983
INSTANTANEOUS PEAK STAGE			4.08	May 30	a4.18	Jul 10 1983
ANNUAL RUNOFF (AC-FT)	222900		151700		172400	
10 PERCENT EXCEEDS	918		512		690	
50 PERCENT EXCEEDS	93		100		86	
90 PERCENT EXCEEDS	59		58		41	

e Estimated.
a At datum then in use. Maximum gage height, 4.77 ft, Jun 16, 1995, at present datum.

09125800 SILVER JACK RESERVOIR NEAR CIMARRON, CO

LOCATION.--Lat 38°13'58", long 107°32'28", in T.46 N., R. 6 W., Gunnison County, Hydrologic Unit 14020002, in gate house of Silver Jack Dam on Cimarron River, 14.5 mi south of Cimarron.

DRAINAGE AREA.--59 mi^2.

PERIOD OF RECORD.--October 1987 to current year.

REVISED RECORDS.--WDR CO-92-2: 1991 minimum contents.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8925.60 ft. above sea level, (levels by U.S. Bureau of Reclamation); gage readings have been reduced to elevations above sea level.

REMARKS.--Reservoir is formed by an earthfill dam. Storage began in December 1970; dam completed December 1971. Capacity, 13,520 acre-ft, 1971 survey, between elevation 8,800.0 ft, streambed at dam, and 8,925.6 ft, crest of spillway. Dead storage below elevation 8,836.0 ft, 520 acre-ft. Figures given are live contents. Missing data are due to equipment malfunction.

COOPERATION.--Capacity tables provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 13,550 acre-ft, June 15-16, 1995, elevation, 8,927.45 ft; minimum contents, 1,840 acre-ft, Sept. 30, 1994, elevation, 8,864.91 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily mean contents, 13,280 acre-ft, May 30, mean elevation, 8,926.52 ft; minimum daily mean contents, 3,130 acre-ft, Sept. 11, 12, mean elevation, 8,876.74 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	8905.37	8,050	
Oct. 31	8899.61	6,760	-1,290
Nov. 30	8900.83	7,000	+240
Dec. 31	-	-	-
CAL YR 1999	-	-	-
Jan. 31	-	-	-
Feb. 29	-	-	-
Mar. 31	-	-	-
Apr. 30	-	-	-
May 31	8926.20	13,180	-
June 30	8925.23	12,900	-280
July 31	8908.21	8,550	-4,350
Aug. 31	8884.06	4,120	-4,430
Sept. 30	8877.11	3,170	-950
WATER YEAR 2000	-	-	-

09126000 CIMARRON RIVER NEAR CIMARRON, CO

LOCATION.--Lat 38°15'26", long 107°32'46", in $NW^1/_4NE^1/_4$ Sec.8, T.46 N., R.6 W., Gunnison County, Hydrologic Unit 14020002, on right bank 0.2 mi upstream from Forest Service bridge, 0.8 mi upstream from headgate on Cimarron ditch, 1.9 mi downstream from Silver Jack Dam, and 13 mi south of Cimarron.

DRAINAGE AREA.--66.6 mi^2.

PERIOD OF RECORD.--October 1954 to current year. Prior to October 1965, published as Cimarron Creek near Cimarron. Statistical summary computed for 1971 to current year.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,641.48 ft above sea level. Oct. 14, 1954 to Oct. 11, 1972 at site 0.4 mi downstream at different datum. Oct. 12, 1972 to Sept. 30, 1996 at site 0.2 mi downstream at datum 10.00 ft lower.

REMARKS.--Records good except for the period Nov. 19 to Mar. 19, which is fair, and estimated daily discharges, which are poor. Diversion upstream from station through Owl Creek ditch into Uncompahgre River basin. Flow regulated by Silver Jack Dam, 1.9 mi upstream since Dec. 23, 1970, total capacity, 13,520 acre-ft. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	30	13	11	13	e13	13	96	629	159	101	97
2	88	30	13	11	e13	12	14	109	548	158	102	99
3	88	30	13	e11	13	e13	13	130	482	162	97	100
4	88	25	13	e12	12	e13	14	133	520	166	93	94
5	54	13	e14	10	14	13	15	154	470	167	92	84
6	29	13	e14	e11	13	e13	16	351	366	166	90	84
7	28	13	e14	e11	e13	13	17	347	410	161	96	84
8	41	14	11	e11	e12	13	18	381	390	144	102	85
9	41	14	e13	e11	12	13	20	315	375	145	105	91
10	40	14	12	11	12	13	21	295	334	126	103	89
11	40	14	12	11	12	e13	21	336	291	98	e104	57
12	41	14	e12	10	12	13	22	246	250	97	e110	26
13	41	14	e12	9.8	12	e13	24	175	233	97	e120	26
14	41	14	e12	e11	12	e13	25	235	245	94	e110	26
15	42	14	e13	10	12	13	23	208	239	96	e108	27
16	40	14	e13	10	13	13	21	225	238	100	e108	27
17	40	14	12	10	12	e13	24	254	187	105	106	27
18	40	14	e13	12	12	e13	26	217	194	115	105	28
19	40	e13	12	12	e12	e13	23	199	184	114	106	33
20	40	14	e13	11	e13	14	23	187	168	117	104	39
21	40	15	e12	11	12	13	23	228	160	117	103	39
22	40	14	e12	11	12	13	22	329	170	110	104	39
23	40	e13	e12	11	e13	13	24	511	169	102	105	37
24	40	e14	e12	12	12	13	26	653	170	105	103	37
25	40	e13	e12	12	e14	13	27	584	166	109	104	37
26	36	13	11	12	e12	14	30	438	157	108	104	37
27	30	12	e11	11	e12	14	64	363	157	107	103	37
28	31	12	e11	12	13	14	99	492	156	103	102	36
29	30	12	11	e13	13	14	97	641	158	103	98	38
30	29	12	e11	e13	---	14	96	712	160	101	97	37
31	30	---	e11	e13	---	13	---	674	---	102	97	---
TOTAL	1377	465	380	347.8	362	408	901	10218	8376	3754	3182	1597
MEAN	44.4	15.5	12.3	11.2	12.5	13.2	30.0	330	279	121	103	53.2
MAX	89	30	14	13	14	14	99	712	629	167	120	100
MIN	28	12	11	9.8	12	12	13	96	156	94	90	26
AC-FT	2730	922	754	690	718	809	1790	20270	16610	7450	6310	3170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	47.9	22.8	16.4	14.8	15.0	16.4	23.9	175	438	222	118	75.4
MAX	135	46.9	31.7	30.0	29.4	35.3	46.5	440	799	640	239	126
(WY)	1983	1986	1974	1974	1986	1986	1987	1996	1984	1995	1983	1995
MIN	20.2	8.18	6.79	2.36	3.03	4.45	8.46	46.5	114	89.0	73.9	32.2
(WY)	1991	1990	1978	1971	1971	1971	1977	1995	1977	1977	1981	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1971 - 2000	
ANNUAL TOTAL	34172		31367.8			
ANNUAL MEAN	93.6		85.7		a99.0	
HIGHEST ANNUAL MEAN					180	1984
LOWEST ANNUAL MEAN					40.2	1977
HIGHEST DAILY MEAN	616	Jun 18	712	May 30	1330	Jun 16 1995
LOWEST DAILY MEAN	11	Dec 8	9.8	Jan 13	b,c.00	Dec 24 1970
ANNUAL SEVEN-DAY MINIMUM	11	Dec 25	10	Jan 11	.00	Dec 24 1970
INSTANTANEOUS PEAK FLOW			863	May 30	d1620	Jun 5 1997
INSTANTANEOUS PEAK STAGE			3.20	May 30	f3.91	Jun 5 1997
ANNUAL RUNOFF (AC-FT)	67780		62220		71690	
10 PERCENT EXCEEDS	208		226		273	
50 PERCENT EXCEEDS	30		29		30	
90 PERCENT EXCEEDS	13		12		11	

e Estimated.
a Average discharge for 16 years (water years 1955-70), 88.6 ft^3/s; 64190 acre-ft/yr, prior to completion of Silver Jack Dam.
b Also occurred Dec. 25-31, 1970, and Jan. 1-9, 1971. Result of storage in Silver Jack Dam.
c Minimum daily discharge prior to construction of Silver Jack Dam, 8.0 ft^3/s, Dec. 27-28, 1962, and Jan. 13, 1963.
d Maximum discharge and stage for period of record, 1790 ft^3/s, Jun. 28, 1957, gage height, 8.32 ft, site and datum then in use.
f Maximum gage height for statistical period, 6.16 ft, Jun. 25, 1971.

09128000 GUNNISON RIVER BELOW GUNNISON TUNNEL, CO

LOCATION.--Lat 38°31'45", long. 107°38'54", in $NE^1/_4NW^1/_4$ sec.10, T.49 N., R.7 W., Montrose County, Hydrologic Unit 14020002, on left bank 0.4 mi downstream from east portal of Gunnison tunnel, 4.7 mi downstream from Crystal Creek, and 12 mi northeast of Montrose.

DRAINAGE AREA.--3,965 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1903 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "at east portal of Gunnison tunnel" 1905-6 and as "at River portal" 1907-11. Statistical summary computed for 1911 to current year.

REVISED RECORDS.--WSP 1313: 1906(M). WSP 1733: 1918-19, 1948. WSP 2124: Drainage area. WDR CO-77-2: 1926, 1941.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,526.06 ft above sea level. Apr. 9, 1905 to Aug. 20, 1915, nonrecording gage at site 300 ft upstream from diversion dam at east portal of Gunnison Tunnel, at different datum. Aug. 21, 1915 to Jan. 19, 1943, nonrecording gage at site 500 ft downstream from diversion dam at east portal of Gunnison Tunnel, at different datum. Jan. 20, 1943 to Sept. 30, 1956, water-stage recorder at present site at datum 1.0 ft, higher.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by transmountain diversions, transbasin diversion through Gunnison Tunnel for irrigation of about 75,000 acres in Uncompahgre Valley (see table below for figures of diversion), Taylor Park Reservoir (station 09108500), Blue Mesa Reservoir (station 09124600), Morrow Point Reservoir (station 09125400), Crystal Reservoir (station 09127600), diversions for irrigation of about 63,000 acres, and return flow from irrigated areas.

COOPERATION.--Diversions, in acre-feet, through Gunnison Tunnel; provided by Colorado Division of Water Resources.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2750	1110	1330	1310	776	720	737	804	845	910	1090	1100
2	3620	1350	1320	1310	837	718	739	796	851	932	1030	971
3	4500	1330	1320	1310	841	716	745	797	846	930	1060	972
4	4760	1310	1320	1310	840	714	745	801	848	980	1090	971
5	4190	1300	1320	1280	837	711	737	799	906	1010	1130	971
6	3690	1290	1260	1050	833	657	743	804	908	963	1140	975
7	3130	1350	1320	1050	831	653	729	798	924	896	1160	928
8	2530	1340	1320	1040	816	717	745	826	908	944	1210	840
9	1970	1150	1310	1060	709	715	872	974	900	968	1190	842
10	1520	826	1310	959	656	717	966	969	893	925	1190	848
11	1370	665	1310	742	677	717	957	965	895	942	1120	853
12	1390	718	1320	800	720	715	958	970	880	951	1190	844
13	1350	1330	1310	801	720	716	960	969	863	917	1180	844
14	1280	1320	1310	803	722	730	923	967	853	923	1160	848
15	1240	1320	1310	803	719	934	907	926	847	922	1120	850
16	1240	1320	1310	802	718	742	902	914	849	909	1110	851
17	1240	1260	1310	806	712	728	911	1190	852	914	1140	813
18	1240	1260	1310	810	712	741	906	1770	858	932	1110	705
19	1250	1320	1310	814	711	731	916	2320	865	935	1180	709
20	1250	1320	1280	814	708	729	882	2870	863	952	1200	696
21	1230	1320	1230	821	712	731	863	3150	864	940	1210	697
22	1230	1330	1310	818	664	732	847	2930	870	940	1210	670
23	1250	1330	1310	820	661	717	844	2490	859	947	1170	554
24	1250	1330	1310	822	716	711	833	2050	856	942	1180	558
25	1250	1330	1300	817	716	713	811	1630	855	947	1170	546
26	1250	1330	1310	813	715	711	807	1160	863	949	1200	561
27	1270	1330	1320	809	713	744	802	941	862	1070	1160	556
28	1280	1320	1310	803	716	745	802	954	857	1130	1200	560
29	1290	1320	1310	799	720	740	803	929	852	1170	1200	564
30	1320	1320	1310	827	---	737	805	888	849	1160	1160	548
31	1310	---	1310	787	---	741	---	842	---	1110	1140	---
TOTAL	59440	37449	40540	28610	21428	22543	25197	40193	26041	30060	35800	23245
MEAN	1917	1248	1308	923	739	727	840	1297	868	970	1155	775
MAX	4760	1350	1330	1310	841	934	966	3150	924	1170	1210	1100
MIN	1230	665	1230	742	656	653	729	796	845	896	1030	546
AC-FT	117900	74280	80410	56750	42500	44710	49980	79720	51650	59620	71010	46110
a	27250	922	285	255	344	11790	47920	55980	58340	62510	61170	51990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	570	767	809	790	779	875	1299	3166	4007	1542	691	508
MAX	2114	1888	2165	2732	3153	3278	3282	8617	11670	8468	2237	2447
(WY)	1912	1971	1987	1974	1971	1971	1930	1928	1957	1957	1957	1929
MIN	17.0	116	141	143	155	248	177	216	123	61.1	34.4	8.37
(WY)	1935	1935	1966	1966	1966	1966	1954	1967	1954	1940	1924	1937

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1911 - 2000	
ANNUAL TOTAL	440942		390546			
ANNUAL MEAN	1208		1067		1317	
HIGHEST ANNUAL MEAN					2936	1984
LOWEST ANNUAL MEAN					261	1967
HIGHEST DAILY MEAN	4760	Oct 4	4760	Oct 4	18600	Jun 15 1921
LOWEST DAILY MEAN	433	Apr 17	546	Sep 25	b.00	Sep 11 1915
ANNUAL SEVEN-DAY MINIMUM	483	Apr 15	556	Sep 24	.30	Oct 26 1950
INSTANTANEOUS PEAK FLOW			4880	Oct 4	c19000	Jun 15 1921
INSTANTANEOUS PEAK STAGE			7.36	Oct 4	15.80	Jun 15 1921
ANNUAL RUNOFF (AC-FT)	874600		774600		954400	
10 PERCENT EXCEEDS	1920		1320		3130	
50 PERCENT EXCEEDS	1160		928		620	
90 PERCENT EXCEEDS	622		716		192	

a Diversions, in acre-feet, through Gunnison tunnel, provided by Colorado Division of Water Resources.
b Also occurred Sep 26, 1936, Oct 8, 1949, Sep 5-6, and 15-16, 1950.
c Present datum, from rating curve extended above 14,000 ft^3/s.

09128000 GUNNISON RIVER BELOW GUNNISON TUNNEL, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1994 to September 2000 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1996 to September 1998.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT								
13...	0930	1370	187	8.0	11.0	8.5	--	.001
DEC								
02...	1225	1340	186	8.3	6.5	9.7	--	<.001
FEB								
28...	1600	720	204	8.3	2.0	11.0	<1	<.001
MAR								
21...	1230	726	217	8.4	4.0	11.6	<1	<.001
APR								
20...	1330	860	205	8.3	5.4	10.2	<1	<.001
MAY								
22...	1420	2940	173	8.0	8.3	9.7	K1	<.001
JUN								
09...	1130	900	173	8.1	10.3	9.7	K3	.001
JUL								
19...	1045	958	191	8.2	10.5	8.8	K6	.001
AUG								
29...	1200	1220	192	7.9	11.5	9.0	K1	.001
SEP								
27...	1200	553	192	8.2	12.5	8.8	K1	.001

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT							
13...	.034	<.002	.15	.12	.022	.015	.010
DEC							
02...	.083	<.002	.14	<.10	.027	.021	.015
FEB							
28...	.044	<.002	E.10	.12	.014	.011	.011
MAR							
21...	.035	<.002	.17	E.10	.013	.010	.010
APR							
20...	.026	.010	.34	.12	.020	.013	.009
MAY							
22...	<.005	.004	.33	.12	.036	.015	.001
JUN							
09...	.021	<.002	.18	.14	.027	.013	.008
JUL							
19...	.014	<.002	.18	.13	.022	.012	.008
AUG							
29...	.036	.005	.17	.11	.024	.016	.013
SEP							
27...	.018	.003	.13	.10	.023	.013	.009

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
04...	1520	4790	182	11.2
NOV				
02...	1230	1340	193	9.8
JAN				
13...	1100	801	198	3.0

09131495 PAONIA RESERVOIR NEAR BARDINE, CO

LOCATION.--Lat 38°56'39", long 107°21'06", in NE $^1/_4$ sec.8, T.13 S., R.89 W., Gunnison County, Hydrologic Unit 14020004, in gate house of Paonia Dam on Muddy Creek, 16 mi east of Paonia.

DRAINAGE AREA.--246 mi^2.

PERIOD OF RECORD.--December 1961 to current year. Monthend active contents provided by U.S. Bureau of Reclamation from December 1961 to September 1987. Extremes for period of record are subsequent to 1987.

REVISED RECORD.--WDR CO-92-2; 1988-91.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,447.50 ft above sea level (levels by U.S. Bureau of Reclamation); gage readings have been reduced to elevations above sea level.

REMARKS.--Reservoir is formed by an earthfill dam. Storage began in December 1961; dam completed January 1962. Capacity, 20,950 acre-ft 1966 survey, between elevation 6,290.0 ft streambed at dam, and 6,447.5 ft, crest of spillway. Dead storage below elevation 6,358.0 ft, 2,440 acre-ft. Inactive storage below elevation 6360.0 ft, 2,620 acre-ft. Figures published prior to 1988 water year are active contents; figures given beginning 1988 water year are live contents.

COOPERATION.--Capacity tables provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 17,460 acre-ft, June 6, 1995, elevation 6,449.76 ft; minimum contents, 117 acre-ft, Apr. 14, 1996, elevation 6,360.72 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily mean contents, 17,100 acre-ft, June 1, elevation, 6,448.64 ft; minimum daily mean contents, 773 acre-ft, Sept. 21, mean elevation, 6,373.01 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.................................	6416.57	7,700	
Oct. 31.................................	6393.55	3,040	-4,660
Nov. 30.................................	6397.34	3,660	+620
Dec. 31.................................	6403.26	4,720	+1,060
CAL YR 1999	-	-	+2,360
Jan. 31.................................	6409.12	5,940	+1,220
Feb. 29.................................	6414.78	7,260	+1,320
Mar. 31.................................	6400.91	4,280	-2,980
Apr. 30.................................	6411.85	6,560	+2,280
May 31.................................	6448.63	17,080	+10,520
June 30.................................	6447.40	16,670	-410
July 31.................................	6426.66	10,350	-6,320
Aug. 31.................................	6375.39	939	-9,411
Sept. 30.................................	6373.34	795	-144
WATER YEAR 2000	-	-	-6,905

09132500 NORTH FORK GUNNISON RIVER NEAR SOMERSET, CO

LOCATION.--Lat 38°55'33", long. 107°26'01", in $SE^{1}/_{4}SW^{1}/_{4}$ sec.10, T.13 S., R.90 W., Gunnison County, Hydrologic Unit 14020004, on left bank 2.3 mi east of Somerset and 4.8 mi upstream from Hubbard Creek.

DRAINAGE AREA.--526 mi^2.

PERIOD OF RECORD.--October 1933 to current year. Monthly discharge only for some periods, published in WSP 1313. Water quality data available, October 1977 to September 1982. Sediment data available, November 1978 to September 1982.

REVISED RECORDS.--WSP 2124: Drainage area. WDR CO-77-2: 1976.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,280 ft above sea level, from topographic map. Prior to Oct. 1, 1982, at various sites 0.8 mi downstream, at different datums. See WDR CO-81-2, for history of changes.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by small diversions for irrigation in nearby drainage areas, irrigation of about 3,000 acres upstream from station, storage in Overland Reservoir (capacity, 6,280 acre-ft) and storage in Paonia Reservoir (capacity, 18,300 acre-ft) since February 1962. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	101	e68	e51	e49	e65	235	1200	1410	221	e181	125
2	220	98	57	e55	e46	e64	244	1290	1260	228	e152	123
3	140	97	56	e51	e50	e68	249	1440	1120	232	e181	121
4	101	96	51	e49	e48	74	269	1670	1010	221	e210	118
5	95	96	e54	e53	e48	88	351	1890	958	216	e220	115
6	91	96	e51	e53	e49	86	451	2040	901	220	e206	115
7	101	96	e61	e47	e48	86	562	1930	836	226	e196	115
8	111	94	e65	e51	e49	80	643	2130	764	231	e182	114
9	105	80	e56	e52	e49	76	688	1750	746	265	e164	126
10	100	67	e64	e51	e50	74	836	1500	622	261	e160	113
11	98	68	e66	e51	e51	70	909	1610	552	242	e172	110
12	143	68	e56	e50	e50	76	1040	1490	507	233	e184	107
13	207	64	e52	e47	e49	72	1200	1170	450	225	e208	105
14	234	61	e58	e47	e51	76	1230	1030	406	222	e294	102
15	296	63	e48	e49	e52	123	1110	877	386	289	233	99
16	292	61	e64	e49	e52	163	899	847	376	e300	231	99
17	289	66	e66	e51	e57	217	932	961	327	277	225	95
18	289	61	e59	e58	e51	280	1050	751	294	224	224	100
19	285	48	e60	e57	e49	274	940	638	332	227	221	98
20	216	e66	e58	e54	e52	280	856	585	340	254	216	93
21	169	e68	e56	e54	e54	277	864	606	296	237	218	95
22	253	e70	e57	e51	e56	276	841	798	263	228	214	96
23	253	e56	e58	e47	58	274	838	1390	249	233	211	94
24	247	e52	e52	e49	59	283	912	1920	233	e220	212	101
25	245	e60	e53	e52	61	297	945	1940	231	e240	215	97
26	244	e74	e53	e52	66	319	1080	1540	243	e224	210	96
27	206	73	e52	e53	60	332	1300	1240	238	e198	207	91
28	102	78	e51	e47	65	326	1400	1360	216	e168	207	92
29	108	e69	e52	e40	66	272	1340	1670	196	e150	207	101
30	101	e69	e51	e36	---	264	1230	1790	229	e140	167	101
31	103	---	e48	e44	---	249	---	1610	---	e162	128	---
TOTAL	5667	2216	1753	1551	1545	5561	25444	42663	15991	7014	6256	3157
MEAN	183	73.9	56.5	50.0	53.3	179	848	1376	533	226	202	105
MAX	296	101	68	58	66	332	1400	2130	1410	300	294	126
MIN	91	48	48	36	46	64	235	585	196	140	128	91
AC-FT	11240	4400	3480	3080	3060	11030	50470	84620	31720	13910	12410	6260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	122	94.3	77.0	65.4	70.8	155	728	1936	1489	455	200	153
MAX	466	318	271	166	180	721	1736	3993	4095	1834	438	319
(WY)	1987	1987	1966	1966	1986	1986	1986	1984	1957	1995	1957	1986
MIN	47.9	35.2	33.1	29.6	30.4	40.2	166	314	179	64.6	48.1	47.6
(WY)	1957	1990	1978	1990	1978	1964	1977	1977	1934	1934	1977	1934

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1934 - 2000	
ANNUAL TOTAL	132577		118818			
ANNUAL MEAN	363		325		463	
HIGHEST ANNUAL MEAN					829	1984
LOWEST ANNUAL MEAN					114	1977
HIGHEST DAILY MEAN	2420	May 24	2130	May 8	7080	May 24 1984
LOWEST DAILY MEAN	48	Nov 19	e36	Jan 30	17	Nov 10 1950
ANNUAL SEVEN-DAY MINIMUM	51	Dec 25	45	Jan 28	25	Feb 17 1978
INSTANTANEOUS PEAK FLOW			2280	May 5	9220	May 24 1984
INSTANTANEOUS PEAK STAGE			4.30	May 5	a8.20	May 24 1984
ANNUAL RUNOFF (AC-FT)	263000		235700		335700	
10 PERCENT EXCEEDS	1210		1020		1510	
50 PERCENT EXCEEDS	203		151		137	
90 PERCENT EXCEEDS	60		51		53	

e Estimated.
a From outside high-water mark.

09134000 MINNESOTA CREEK NEAR PAONIA, CO

LOCATION.--Lat 38°52'12", long. 107°30'13", in $SE^1/_4NE^1/_4$ of sec.1, T.14 S., R.91 W., Delta County, Hydrologic Unit 14020004, on right bank 0.25 mi downstream from South Fork, 6 mi upstream from mouth, and 4.5 mi east of Paonia.

DRAINAGE AREA.--41.3 mi^2.

PERIOD OF RECORD.--April 1936 to September 1947, October 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above sea level, from topographic map. Apr. 1936 to Oct. 1941, staff gages at different datums. Oct. 1941 to Sept. 1947, water-stage recorder at different datum. Dec. 1985 to present, water-stage recorder, at datum 2.0 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by two small storage reservoirs, one of which obtains water from the East Muddy Creek Basin. Small trans-basin diversions from Coal Creek into Minnestota Creek. Diversions upstream from station for irrigation of about 100 acres. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	1.6	2.3	e1.7	e1.7	1.9	3.1	20	43	19	13	10
2	3.5	1.7	e2.0	e1.6	e1.8	1.9	3.0	20	42	19	13	9.8
3	3.5	1.8	e1.8	e1.5	e1.7	1.9	3.0	22	39	19	13	9.8
4	3.3	1.8	1.5	e1.5	e1.7	2.3	3.9	25	36	18	13	9.5
5	2.8	1.8	e1.5	e1.6	e1.8	2.9	6.3	26	34	18	13	9.5
6	3.1	1.8	e1.6	e1.7	e1.7	2.5	8.0	26	31	19	13	8.4
7	3.7	1.8	e1.8	e1.7	e1.7	2.7	9.3	26	29	17	13	5.6
8	3.6	1.8	e1.7	e1.7	e1.6	2.1	9.2	38	30	17	13	6.6
9	3.4	1.9	e1.7	e1.7	1.6	2.2	10	35	35	17	13	6.6
10	3.1	1.8	e1.6	e1.8	2.0	1.9	12	33	32	17	13	5.6
11	2.8	1.9	e1.6	e1.8	2.0	1.8	12	36	30	16	13	4.9
12	2.7	1.8	e1.7	e1.8	1.7	2.1	12	37	30	16	13	4.6
13	2.7	1.9	e1.7	e1.8	1.6	1.9	14	32	29	16	13	4.3
14	2.7	2.0	e1.6	e1.8	1.7	2.1	14	31	26	15	13	4.0
15	2.7	2.0	e1.7	e1.8	1.7	2.2	16	33	25	16	13	4.0
16	2.6	1.9	e1.7	e1.9	1.6	2.2	13	30	23	16	12	3.9
17	2.5	2.1	e1.8	e1.8	1.9	2.0	13	32	21	19	12	3.9
18	2.6	2.5	e1.9	e1.7	1.7	1.9	14	31	19	17	12	4.9
19	2.6	1.8	e1.7	e1.8	2.0	1.8	12	28	19	16	13	4.3
20	2.5	e1.8	e1.6	e1.8	2.6	2.0	11	27	19	16	12	4.1
21	2.4	e1.8	e1.6	e1.9	2.0	1.9	12	26	18	16	9.9	4.3
22	2.5	e1.6	e1.6	e1.8	2.4	2.0	12	33	17	15	6.5	4.3
23	2.4	e1.5	e1.7	e1.7	2.0	2.0	12	42	18	15	6.1	4.1
24	2.4	1.4	e1.9	e1.8	2.0	2.4	14	48	20	15	5.8	4.9
25	2.2	e1.5	e1.8	e1.7	1.6	2.8	14	46	19	15	5.8	4.5
26	1.9	e1.8	e1.8	e1.7	2.4	3.5	16	40	20	15	5.8	4.4
27	1.9	e2.0	e1.9	e1.6	2.4	4.3	19	36	22	15	5.5	4.3
28	1.6	e1.9	e1.9	e1.5	2.1	5.0	22	36	21	15	6.3	4.1
29	1.7	e2.0	e1.8	e1.5	2.0	5.2	22	40	21	14	10	5.9
30	1.5	2.2	e1.9	e1.4	---	4.3	20	39	21	14	10	4.6
31	1.6	---	e1.8	e1.5	---	3.9	---	39	---	14	10	---
TOTAL	81.9	55.2	54.2	52.6	54.7	79.6	361.8	1013	789	506	337.7	169.7
MEAN	2.64	1.84	1.75	1.70	1.89	2.57	12.1	32.7	26.3	16.3	10.9	5.66
MAX	3.7	2.5	2.3	1.9	2.6	5.2	22	48	43	19	13	10
MIN	1.5	1.4	1.5	1.4	1.6	1.8	3.0	20	17	14	5.5	3.9
AC-FT	162	109	108	104	108	158	718	2010	1560	1000	670	337

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6.00	5.27	4.33	3.55	3.97	7.42	28.1	94.0	73.9	28.7	15.6	8.25
MAX	16.6	12.9	9.08	5.80	8.62	19.2	89.6	199	194	88.2	29.7	19.8
(WY)	1942	1987	1987	1942	1986	1986	1942	1993	1993	1995	1993	1993
MIN	2.64	1.84	1.75	1.70	1.89	2.57	7.18	23.6	25.2	11.6	4.49	3.57
(WY)	2000	2000	2000	2000	2000	2000	1990	1990	1990	1939	1990	1946

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1937 - 2000	
ANNUAL TOTAL	4501.6		3555.4			
ANNUAL MEAN	12.3		9.71		23.3	
HIGHEST ANNUAL MEAN					46.9	1993
LOWEST ANNUAL MEAN					7.97	1990
HIGHEST DAILY MEAN	83	Jun 8	48	May 24	340	May 28 1993
LOWEST DAILY MEAN	1.2	Feb 17	1.4	Nov 24	1.0	Nov 14 1936
ANNUAL SEVEN-DAY MINIMUM	1.4	Feb 17	1.6	Jan 25	a1.4	Feb 17 1999
INSTANTANEOUS PEAK FLOW			54	May 25	359	May 28 1993
INSTANTANEOUS PEAK STAGE			1.44	May 25	b3.24	May 28 1993
ANNUAL RUNOFF (AC-FT)	8930		7050		16910	
10 PERCENT EXCEEDS	32		26		68	
50 PERCENT EXCEEDS	4.9		3.9		7.1	
90 PERCENT EXCEEDS	1.8		1.7		2.9	

e Estimated.
a Also occurred Jan 16, 1990.
b Maximum gage height, 3.70 ft, May 22, 1942, site and datum then in use.

09134100 NORTH FORK GUNNISON RIVER BELOW PAONIA, CO

LOCATION.--Lat 38°51'27", long 107°37'19", in $SW^1/_4SE^1/_4$ of sec.1, T.14 S., R.92 W., Delta County, Hydrologic Unit 14020004, on left bank 1,250 ft downstream from Roatcap Creek, and 1.5 mi southwest of Paonia.

DRAINAGE AREA.--741 mi^2.

PERIOD OF RECORD.--March to September 2000.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,560 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversion to Fire Mountain Canal for irrigation of about 5,000 acres above and below station and many other smaller diversions for irrigation above station, storage in Overland Reservoir (capacity, 6,280 acre-ft), and storage in Paonia Reservoir (capacity, 18,300 acre-ft), since February 1962. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period March to September, 2,980 ft^3/s, at 0100 May 6, gage height 4.10 ft; minimum daily, 4.5 ft^3/s, Sept. 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	249	1290	1250	8.0	8.9	11
2	---	---	---	---	---	---	257	1390	1060	9.4	5.6	14
3	---	---	---	---	---	---	254	1630	912	12	9.4	12
4	---	---	---	---	---	---	275	1940	766	9.6	11	9.4
5	---	---	---	---	---	---	371	2320	705	7.4	12	7.3
6	---	---	---	---	---	---	507	2560	649	6.3	9.0	7.0
7	---	---	---	---	---	99	678	2370	594	7.5	7.9	8.2
8	---	---	---	---	---	95	808	2700	519	9.2	7.5	7.3
9	---	---	---	---	---	90	909	2120	509	44	6.7	23
10	---	---	---	---	---	86	1150	1580	416	50	6.9	15
11	---	---	---	---	---	69	1230	1750	365	36	9.3	13
12	---	---	---	---	---	88	1380	1590	320	19	9.6	9.5
13	---	---	---	---	---	79	1680	1130	279	10	23	5.7
14	---	---	---	---	---	e80	1750	900	230	7.9	15	4.8
15	---	---	---	---	---	e110	1620	710	202	62	12	4.5
16	---	---	---	---	---	e150	1200	605	198	152	11	5.6
17	---	---	---	---	---	e200	1280	782	157	144	12	4.8
18	---	---	---	---	---	e270	1450	570	182	32	12	7.7
19	---	---	---	---	---	e260	1130	459	301	11	14	8.7
20	---	---	---	---	---	e270	901	393	309	15	11	6.7
21	---	---	---	---	---	e270	971	394	137	10	14	8.0
22	---	---	---	---	---	275	924	520	93	6.9	17	11
23	---	---	---	---	---	270	852	1080	57	6.3	11	9.8
24	---	---	---	---	---	275	987	1920	49	6.9	11	20
25	---	---	---	---	---	285	1030	2030	44	14	14	27
26	---	---	---	---	---	312	1210	1470	42	8.1	12	25
27	---	---	---	---	---	325	1550	1050	37	7.2	11	17
28	---	---	---	---	---	344	1720	1130	24	5.9	9.4	15
29	---	---	---	---	---	288	1600	1550	9.0	5.5	8.5	28
30	---	---	---	---	---	284	1350	1720	8.6	6.2	11	53
31	---	---	---	---	---	270	---	1510	---	6.7	13	---
TOTAL	---	---	---	---	---	---	31273	43163	10423.6	736.0	345.7	399.0
MEAN	---	---	---	---	---	---	1042	1392	347	23.7	11.2	13.3
MAX	---	---	---	---	---	---	1750	2700	1250	152	23	53
MIN	---	---	---	---	---	---	249	393	8.6	5.5	5.6	4.5
AC-FT	---	---	---	---	---	---	62030	85610	20680	1460	686	791

e Estimated.

09135950 NORTH FORK GUNNISON RIVER BELOW LEROUX CREEK, NEAR HOTCHKISS, CO

LOCATION.--Lat 38°47'18", long 107°44'21", in $SW^1/_4SW^1/_4$ sec.36, T.14 S., R.93 W., Delta County, Hydrologic Unit 14020004, on left bank 0.7 mi downstream from Leroux Creek, and 1 mi southwest of Hotchkiss.

DRAINAGE AREA.--922 mi^2.

PERIOD OF RECORD.--July 1997 to current year (seasonal records only).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,240 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by irrigation of about 44,000 acres upstream from station, storage in Overland Reservoir, capacity, 6,280 acre-ft, and storage in Paonia Reservoir (capacity, 18,300 acre-ft). Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES FOR PERIOD OF RECORD (seasonal only).--Maximum discharge, 3,220 ft^3/s, May 24, 1999, gage height, 11.34, minimum daily, 36 ft^3/s, July 6, 7, Aug. 8, 2000.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge 3,230 ft^3/s (discharge measurment), June 11, 1997, gage height, 11.82 ft.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 2,600 ft^3/s at 0200, May 6, gage height, 11.08 ft; minimum daily, 36 ft^3/s, July 6, 7, Aug. 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	167	---	---	---	---	93	255	1460	1350	54	41	80
2	166	---	---	---	---	94	263	1550	1150	56	37	91
3	148	---	---	---	---	91	259	1770	1010	55	41	84
4	118	---	---	---	---	93	278	1970	861	55	44	81
5	103	---	---	---	---	106	399	2180	787	48	45	77
6	106	---	---	---	---	115	621	2310	738	36	38	82
7	111	---	---	---	---	120	845	2160	674	36	37	82
8	170	---	---	---	---	117	1000	2320	592	43	36	85
9	168	---	---	---	---	110	1070	2010	579	59	38	105
10	182	---	---	---	---	105	1350	1590	487	82	40	99
11	168	---	---	---	---	93	1440	1760	414	75	46	87
12	160	---	---	---	---	100	1520	1710	360	62	53	82
13	300	---	---	---	---	98	1830	1300	310	55	65	70
14	308	---	---	---	---	97	1890	1010	270	51	67	58
15	414	---	---	---	---	111	1780	825	236	68	56	54
16	419	---	---	---	---	176	1360	669	231	168	54	52
17	415	---	---	---	---	185	1410	842	176	183	59	57
18	417	---	---	---	---	267	1680	666	172	100	67	71
19	421	---	---	---	---	263	1400	548	335	57	74	73
20	422	---	---	---	---	277	1090	471	378	50	68	65
21	224	---	---	---	---	273	1170	452	195	52	72	69
22	374	---	---	---	---	272	1090	545	145	46	87	75
23	372	---	---	---	---	269	962	1060	111	39	80	74
24	368	---	---	---	---	274	1100	1810	98	41	72	83
25	368	---	---	---	---	283	1160	1930	94	48	69	95
26	363	---	---	---	---	307	1330	1560	93	51	71	95
27	358	---	---	---	---	322	1650	1170	100	48	71	91
28	216	---	---	---	---	372	1830	1200	91	42	68	89
29	201	---	---	---	---	298	1700	1560	66	40	61	107
30	192	---	---	---	---	292	1490	1710	60	41	80	123
31	170	---	---	---	---	280	---	1570	---	42	85	---
TOTAL	8089	---	---	---	---	5953	35222	43688	12163	1883	1822	2436
MEAN	261	---	---	---	---	192	1174	1409	405	60.7	58.8	81.2
MAX	422	---	---	---	---	372	1890	2320	1350	183	87	123
MIN	103	---	---	---	---	91	255	452	60	36	36	52
AC-FT	16040	---	---	---	---	11810	69860	86660	24130	3730	3610	4830

09143000 SURFACE CREEK NEAR CEDAREDGE, CO

LOCATION.--Lat 38°59'05", long 107°51'13", in $NW^1/_4NW^1/_4$ sec.25, T.12 S., R.94 W., Delta County, Hydrologic Unit 14020005, on left bank 5 ft downstream from private bridge, 1.4 mi downstream from Caesar Creek, and 7.0 mi northeast of Cedaredge.

DRAINAGE AREA.--27.4 mi^2.

PERIOD OF RECORD.--July 1939 to September 1999. October 1999 to September 2000 (seasonal records only). Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WDR CO-83-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,261 ft above sea level, from topographic map.

REMARKS.-- Records good except for estimated daily discharges, which are poor. Flow regulated by many small reservoirs. Some water imported from Leon Lake in Plateau Creek drainage. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 892 ft^3/s, June 15, 1995, gage height, 3.79 ft; maximum gage height, 5.10 ft, Apr. 13, 1958 (ice jam); minimum daily, 0.80 ft^3/s, Jan. 15, 1977.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 198 ft^3/s, at 1845 Apr. 27, gage height, 2.43 ft; minimum daily, 6.9 ft^3/s, Apr. 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	---	---	---	---	---	6.9	114	86	38	56	25
2	32	---	---	---	---	---	7.1	122	81	38	43	25
3	31	---	---	---	---	---	7.2	128	76	40	42	24
4	24	---	---	---	---	---	9.1	129	73	39	45	26
5	25	---	---	---	---	---	14	126	77	37	45	28
6	36	---	---	---	---	---	19	123	73	39	43	34
7	37	---	---	---	---	---	24	116	81	68	39	36
8	39	---	---	---	---	---	28	117	80	67	39	40
9	39	---	---	---	---	---	33	100	84	70	39	37
10	38	---	---	---	---	---	40	100	80	61	39	34
11	23	---	---	---	---	---	38	106	75	59	44	35
12	23	---	---	---	---	---	44	93	70	59	44	34
13	25	---	---	---	---	---	58	80	69	57	43	17
14	26	---	---	---	---	---	54	75	80	50	35	15
15	26	---	---	---	---	---	39	73	82	49	36	18
16	26	---	---	---	---	---	33	75	92	54	39	18
17	25	---	---	---	---	---	51	77	90	59	44	18
18	22	---	---	---	---	---	54	84	87	56	38	22
19	22	---	---	---	---	---	37	78	e72	49	36	19
20	22	---	---	---	---	---	42	76	e61	48	33	19
21	23	---	---	---	---	---	52	80	49	44	29	22
22	30	---	---	---	---	---	48	91	48	43	30	27
23	30	---	---	---	---	---	53	102	49	42	e33	24
24	29	---	---	---	---	---	73	125	48	36	e36	23
25	26	---	---	---	---	---	92	125	50	35	e35	22
26	26	---	---	---	---	---	111	123	50	46	e36	21
27	26	---	---	---	---	---	130	116	49	48	e37	19
28	27	---	---	---	---	---	132	112	49	54	39	18
29	e29	---	---	---	---	---	114	106	45	52	38	14
30	e27	---	---	---	---	---	109	101	39	52	41	14
31	e27	---	---	---	---	---	---	91	---	57	37	---
TOTAL	873	---	---	---	---	---	1552.3	3164	2045	1546	1213	728
MEAN	28.2	---	---	---	---	---	51.7	102	68.2	49.9	39.1	24.3
MAX	39	---	---	---	---	---	132	129	92	70	56	40
MIN	22	---	---	---	---	---	6.9	73	39	35	29	14
AC-FT	1730	---	---	---	---	---	3080	6280	4060	3070	2410	1440

e Estimated.

09143500 SURFACE CREEK AT CEDAREDGE, CO

LOCATION.--Lat 38°54'06", long 107°55'14", in SW$^1/_4$SE$^1/_4$ sec.20, T.13 S., R.94 W., Delta County, Hydrologic Unit 14020005, on left bank at Cedaredge, 700 ft east of State Highway 65, and 8.5 mi upstream from mouth.

DRAINAGE AREA.--39.0 mi^2.

PERIOD OF RECORD.--October 1916 to September 1999. October 1999 to September 2000 (seasonal records only). Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WRD CO-83-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry, and concrete control. Elevation of gage is 6,220 ft above sea level, from topographic map. Prior to June 8, 1917, nonrecording gage at present site at datum 0.50 ft, higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions to and from nearby streams, many small storage reservoirs, diversions for irrigation, and return flow from irrigated areas. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,190 ft^3/s, May 13, 1941, gage height, 2.50 ft from rating curve extended above 640 ft^3/s; maximum gage height, 3.10 ft, May 21, 1993; minimum daily, no flow at times some years.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 198 ft^3/s at 2030 Apr. 27, gage height, 2.09 ft; minimum daily, 6.8 ft^3/s, Sept. 27.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	---	---	---	---	---	e9.0	87	56	18	22	14
2	18	---	---	---	---	---	e9.3	99	52	17	15	13
3	19	---	---	---	---	---	e9.5	92	50	20	13	13
4	14	---	---	---	---	---	e12	83	48	19	23	12
5	15	---	---	---	---	---	15	81	49	17	25	11
6	22	---	---	---	---	---	26	77	46	17	24	13
7	23	---	---	---	---	---	36	71	48	24	20	13
8	25	---	---	---	---	---	39	77	46	21	19	15
9	24	---	---	---	---	---	47	63	53	25	17	14
10	24	---	---	---	---	---	58	59	48	21	16	9.2
11	16	---	---	---	---	---	51	71	44	20	19	11
12	15	---	---	---	---	---	43	65	41	22	19	10
13	17	---	---	---	---	---	59	57	40	21	19	10
14	17	---	---	---	---	---	62	52	37	25	13	11
15	18	---	---	---	---	---	47	50	36	25	14	11
16	18	---	---	---	---	---	39	51	38	27	15	11
17	18	---	---	---	---	---	54	55	34	35	18	10
18	16	---	---	---	---	---	72	60	35	33	20	9.4
19	16	---	---	---	---	---	51	59	39	24	17	8.1
20	15	---	---	---	---	---	36	58	40	22	15	8.1
21	16	---	---	---	---	---	61	61	36	21	14	8.9
22	16	---	---	---	---	---	56	65	34	21	16	14
23	e14	---	---	---	---	---	47	69	32	20	19	10
24	e12	---	---	---	---	---	68	78	31	12	18	9.4
25	10	---	---	---	---	---	83	77	32	9.8	19	8.0
26	11	---	---	---	---	---	92	75	32	20	19	7.5
27	12	---	---	---	---	---	108	67	32	21	19	6.8
28	11	---	---	---	---	---	106	62	30	21	21	7.6
29	14	---	---	---	---	---	82	64	28	18	20	7.9
30	13	---	---	---	---	---	71	63	20	17	24	9.3
31	13	---	---	---	---	---	---	60	---	21	22	---
TOTAL	508	---	---	---	---	---	1548.8	2108	1187	654.8	574	316.2
MEAN	16.4	---	---	---	---	---	51.6	68.0	39.6	21.1	18.5	10.5
MAX	25	---	---	---	---	---	108	99	56	35	25	15
MIN	10	---	---	---	---	---	9.0	50	20	9.8	13	6.8
AC-FT	1010	---	---	---	---	---	3070	4180	2350	1300	1140	627

e Estimated.

09144250 GUNNISON RIVER AT DELTA, CO

LOCATION.--Lat 38°45'11", long. 108°04'40", in $NW^1/_4NW^1/_4$ sec.13, T.15 S., R.96 W., Delta County, Hydrologic Unit 14020005, in Confluence Park on left bank, 0.7 mi downstream from U.S. Highway 50 bridge at north edge of Delta.

DRAINAGE AREA.--5,628 mi^2

PERIOD OF RECORD.--May 1976 to current year. Gage-height records collected at this site 1912-77 (flood seasons only) are in reports of the National Weather Service.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,910 ft above sea level, from topographic map. Prior to May 1976 nonrecording gage at site 0.7 mi upstream at datum 4.52 ft higher. June 1, 1976 to Mar. 19, 1998 water-stage recorder at site 0.7 mi upstream at datum 4.52 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are fair. Natural flow of stream affected by transmountain and transbasin diversions, storage reservoirs, power developments, and many diversions for irrigation. Auxillary gage established 200 ft downstream from present site to collect streamflow data during bridge construction at principal site then in use, June 27, 1991 to September 30, 1992. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water Quality Data For Gaging Stations" section of this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height observed, 13.5 ft, June 6, 1957, from National Weather Service wire-weight gage at site 0.7 mi upstream, at datum 4.52 ft higher (discharge not determined).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2870	1480	1460	e1400	1030	e980	1330	2250	2150	974	1130	1270
2	3650	1440	1470	e1400	1060	977	1320	2270	1970	1010	1060	1140
3	4490	1470	1490	e1400	1070	969	1310	2470	1900	988	1010	1110
4	5040	1450	1450	e1400	1080	965	1300	2650	1790	979	1080	1110
5	4650	1450	1430	e1400	1080	983	1370	2940	1740	1010	1050	1110
6	3980	1430	1410	1280	1080	999	1580	3100	1740	985	1180	1130
7	3560	1450	1410	1240	1070	971	1770	3030	1680	914	1130	1150
8	2960	1460	1450	1230	1070	1030	1910	3220	1640	926	1160	1060
9	2450	1430	1430	1240	1030	1010	1920	3240	1610	1080	1170	1090
10	1910	1260	1440	1250	949	999	2340	2660	1550	1140	1130	1080
11	1600	1110	1460	1110	950	984	2420	2690	1470	1080	1120	1050
12	1530	1020	1450	1090	954	983	2320	2670	1410	1050	1160	1010
13	1620	1260	1440	1100	971	979	2700	2400	1330	1000	1190	992
14	1590	1420	1440	1100	986	972	2820	2080	1230	989	1220	974
15	1600	1430	1410	1100	992	1070	2670	1950	1190	983	1170	985
16	1660	1440	1440	1100	994	1160	2230	1720	1150	1090	1140	969
17	1710	1430	1460	1110	1010	1090	2190	1890	1120	1210	1170	953
18	1720	1380	1450	1140	1020	1170	2460	2340	1110	1110	1200	931
19	1730	1430	1450	1140	1010	1210	2270	2820	1290	1020	1230	940
20	1720	1420	1440	1130	990	1220	1940	3250	1390	944	1310	918
21	1580	1440	1390	1120	992	1240	1960	3640	1220	959	1360	895
22	1630	1460	1410	1140	998	1240	1910	3660	1090	932	1420	943
23	1660	1450	1420	1120	926	1240	1780	3610	1040	946	1310	873
24	1680	1420	1420	1110	980	1220	1860	3840	1010	921	1260	863
25	1670	1410	1420	1130	e980	1240	1910	3670	1020	952	1250	906
26	1690	1450	1420	1180	e980	1280	2020	2970	1030	978	1260	912
27	1690	1480	1410	1160	e980	1290	2300	2230	1040	1010	1300	898
28	1630	1480	1410	1110	e980	1360	2580	2110	1040	1140	1260	864
29	1590	1450	1410	1080	e980	1350	2490	2370	989	1140	1230	910
30	1590	1440	1410	1050	---	1330	2260	2530	957	1260	1270	924
31	1580	---	e1400	1050	---	1360	---	2350	---	1150	1240	---
TOTAL	70030	42140	44400	36610	29192	34871	61240	84620	40896	31870	37170	29960
MEAN	2259	1405	1432	1181	1007	1125	2041	2730	1363	1028	1199	999
MAX	5040	1480	1490	1400	1080	1360	2820	3840	2150	1260	1420	1270
MIN	1530	1020	1390	1050	926	965	1300	1720	957	914	1010	863
AC-FT	138900	83580	88070	72620	57900	69170	121500	167800	81120	63210	73730	59430

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1421	1545	1620	1612	1645	1922	2511	4691	4167	2214	1213	1238
MAX	2833	3156	3103	3349	3381	3744	6641	11090	13520	10110	2752	2496
(WY)	1987	1987	1987	1985	1985	1997	1985	1984	1984	1995	1984	1986
MIN	398	467	440	480	491	506	366	411	331	275	269	335
(WY)	1978	1978	1978	1990	1990	1990	1977	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1976 - 2000	
ANNUAL TOTAL	622511		542999			
ANNUAL MEAN	1706		1484		2172	
HIGHEST ANNUAL MEAN					4670	1984
LOWEST ANNUAL MEAN					601	1990
HIGHEST DAILY MEAN	5270	May 25	5040	Oct 4	20300	Jun 7 1984
LOWEST DAILY MEAN	474	Apr 18	863	Sep 24	208	Aug 11 1977
ANNUAL SEVEN-DAY MINIMUM	557	Apr 12	889	Sep 23	215	Aug 10 1977
INSTANTANEOUS PEAK FLOW			5350	Oct 4	a25500	Jun 7 1984
INSTANTANEOUS PEAK STAGE			5.46	Oct 4	a13.15	Jun 7 1984
ANNUAL RUNOFF (AC-FT)	1235000		1077000		1574000	
10 PERCENT EXCEEDS	2780		2380		4240	
50 PERCENT EXCEEDS	1450		1260		1550	
90 PERCENT EXCEEDS	840		978		542	

e Estimated.
a At site 0.7 mi upstream, at datum 4.52 ft higher.

09146200 UNCOMPAHGRE RIVER NEAR RIDGWAY, CO

LOCATION.--Lat 38°11'02", long 107°44'43", in SW$^{1}/_{4}$NE$^{1}/_{4}$ sec.4, T.45 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank 15 ft downstream from bridge, 0.2 mi downstream from Dry Creek, 0.5 mi upstream from Dallas Creek, and 2.3 mi north of Ridgway.

DRAINAGE AREA.--149 mi^2

PERIOD OF RECORD.--October 1958 to current year. Water-quality data available 1996-98.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,877.58 ft above sea level, (levels by U.S. Bureau of Reclamation).

REMARKS.--Records good. Diversions for irrigation upstream from station Water is imported upstream from station in some years by Red Mountain ditch from Mineral Creek in San Juan River basin. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	63	52	49	44	45	66	198	540	207	90	106
2	99	61	55	48	43	47	63	261	476	201	90	109
3	97	60	56	46	45	45	65	360	461	192	90	109
4	94	59	54	46	48	48	69	423	456	181	88	106
5	92	59	50	48	46	50	88	456	444	175	87	101
6	90	59	55	48	46	47	103	445	392	165	89	103
7	92	59	51	49	45	49	108	417	426	162	86	106
8	96	58	52	50	46	47	119	538	418	166	82	106
9	92	57	50	50	47	49	122	388	437	177	80	115
10	87	57	51	49	52	48	145	324	361	177	77	104
11	84	56	52	46	51	45	125	336	324	162	81	101
12	82	56	50	47	48	48	114	297	307	159	83	97
13	81	54	51	47	47	46	139	246	302	150	93	92
14	79	54	48	47	47	47	152	223	300	142	83	88
15	77	52	47	49	48	48	142	205	287	144	87	83
16	74	51	e48	51	47	49	120	216	288	169	92	80
17	70	52	49	51	48	51	134	237	262	164	91	77
18	71	51	50	55	46	48	161	203	249	164	106	96
19	71	48	50	56	44	46	135	190	259	148	165	85
20	69	50	50	53	45	49	125	196	253	140	129	82
21	68	51	52	53	45	50	150	271	240	139	119	80
22	68	53	49	54	47	52	153	368	223	132	120	84
23	68	50	51	48	45	51	144	533	218	125	111	80
24	68	48	52	48	45	50	148	656	217	120	107	97
25	67	49	53	50	43	53	166	570	221	121	108	94
26	66	50	50	55	42	54	210	416	229	114	108	84
27	65	52	49	52	43	53	288	377	237	112	110	77
28	64	51	50	49	45	64	336	506	234	109	131	75
29	64	51	51	44	45	64	304	669	222	105	114	93
30	62	52	50	44	---	65	234	696	215	102	115	92
31	64	---	49	43	---	65	---	625	---	97	109	---
TOTAL	2424	1623	1577	1525	1333	1573	4428	11846	9498	4621	3121	2802
MEAN	78.2	54.1	50.9	49.2	46.0	50.7	148	382	317	149	101	93.4
MAX	103	63	56	56	52	65	336	696	540	207	165	115
MIN	62	48	47	43	42	45	63	190	215	97	77	75
AC-FT	4810	3220	3130	3020	2640	3120	8780	23500	18840	9170	6190	5560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	88.9	67.8	52.1	44.8	45.6	59.8	112	326	594	339	161	109
MAX	153	94.4	67.3	61.5	61.5	102	188	765	914	848	313	250
(WY)	1985	1971	1971	1997	1995	1997	1985	1984	1984	1983	1995	1970
MIN	57.6	48.8	35.8	33.1	32.0	40.5	67.5	122	168	88.5	73.3	52.9
(WY)	1979	1990	1977	1977	1990	1964	1973	1977	1977	1977	1977	1959

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1959 - 2000	
ANNUAL TOTAL	65375		46371			
ANNUAL MEAN	179		127		167	
HIGHEST ANNUAL MEAN					270	1984
LOWEST ANNUAL MEAN					72.6	1977
HIGHEST DAILY MEAN	1120	Jun 17	696	May 30	1740	Jun 24 1983
LOWEST DAILY MEAN	e44	Feb 11	42	Feb 26	26	Jan 13 1963
ANNUAL SEVEN-DAY MINIMUM	49	Feb 5	44	Feb 23	30	Feb 13 1990
INSTANTANEOUS PEAK FLOW			900	May 29	a2100	Jun 24 1983
INSTANTANEOUS PEAK STAGE			4.40	May 29	5.73	Jun 24 1983
ANNUAL RUNOFF (AC-FT)	129700		91980		120900	
10 PERCENT EXCEEDS	430		291		432	
50 PERCENT EXCEEDS	81		81		80	
90 PERCENT EXCEEDS	50		47		43	

e Estimated.
a From rating curve extended above 1800 ft^3/s.

09147000 DALLAS CREEK NEAR RIDGWAY, CO

LOCATION.--Lat 38°10'40", long 107°45'28", on line between sec.4 and 5, T.45 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank 20 ft downstream from county road bridge, 1.5 mi upstream from mouth, and 1.5 mi northwest of Ridgway.

DRAINAGE AREA.--97.2 mi^2.

PERIOD OF RECORD.--March 1922 to October 1927, October 1955 to September 1971, October 1979 to current year.

REVISED RECORDS.--WSP 1924: 1960. WDR CO-88-2: Drainage area.

GAGE.--Water stage recorder with satellite telemetry. Elevation of gage is 6,980 ft above sea level, from topographic map. Mar. 1, 1922 to Oct. 31, 1927, nonrecording gage at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 4,500 acres upstream from and 700 acres downstream from station. One small ditch imports water from Leopard Creek (Dolores River basin) to drainage upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	22	e24	e21	e18	17	33	44	49	23	1.5	31
2	39	25	e24	e20	e18	18	31	36	48	20	.25	32
3	37	27	e25	e20	e18	17	33	35	46	16	.35	31
4	36	24	e25	e20	e18	19	32	27	46	13	2.3	31
5	35	23	e23	e20	19	19	46	20	38	9.5	2.9	30
6	35	21	e24	e20	18	17	62	13	33	7.8	3.3	30
7	36	22	e23	e20	18	19	61	14	35	6.3	2.6	34
8	34	23	e23	e20	19	18	48	53	32	8.2	2.3	36
9	33	25	e23	e21	18	18	90	49	40	17	3.2	40
10	32	26	e22	21	19	18	139	29	39	19	2.7	37
11	31	25	e22	20	18	17	117	29	33	16	9.8	37
12	30	26	e22	19	17	19	120	23	29	14	13	36
13	29	26	e23	e19	16	18	143	23	24	12	12	34
14	28	27	e23	e19	17	17	121	21	23	13	14	35
15	28	26	e23	e18	18	18	103	15	22	17	18	36
16	27	26	e23	e19	17	19	91	8.5	26	19	21	35
17	26	e26	e24	e20	17	19	102	7.2	19	31	19	34
18	25	e25	e24	e21	15	18	94	6.3	20	25	25	40
19	25	e24	e24	e20	15	17	74	5.7	26	20	33	35
20	25	e25	e24	19	17	20	63	4.6	22	18	36	32
21	25	e26	e25	20	17	20	70	3.4	18	18	37	31
22	25	e26	e24	19	18	23	66	4.2	14	20	40	31
23	25	e25	e24	19	16	28	66	e4.0	10	20	33	31
24	22	e25	e24	18	17	26	65	e3.1	9.2	19	31	33
25	21	e25	e23	e19	16	26	55	11	15	14	30	29
26	19	e24	e22	e20	18	28	50	14	14	10	31	29
27	20	e24	e21	e19	18	30	55	16	26	10	32	30
28	21	e24	e21	17	17	35	53	25	40	9.5	29	27
29	21	e25	e22	e17	17	36	54	52	34	10	29	30
30	20	e24	e22	e17	---	34	52	59	29	8.8	32	29
31	21	---	e21	e17	---	32	---	56	---	7.0	31	---
TOTAL	871	742	717	599	504	680	2189	711.0	859.2	471.1	577.20	986
MEAN	28.1	24.7	23.1	19.3	17.4	21.9	73.0	22.9	28.6	15.2	18.6	32.9
MAX	40	27	25	21	19	36	143	59	49	31	40	40
MIN	19	21	21	17	15	17	31	3.1	9.2	6.3	.25	27
AC-FT	1730	1470	1420	1190	1000	1350	4340	1410	1700	934	1140	1960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	25.6	24.6	20.3	18.0	18.9	25.8	59.4	51.9	62.4	76.2	59.8	39.7
MAX	65.1	39.1	33.9	32.0	32.0	59.4	183	249	171	230	141	117
(WY)	1985	1926	1924	1924	1924	1985	1985	1984	1984	1983	1983	1927
MIN	2.07	14.4	13.4	9.61	11.9	14.8	4.13	.67	2.45	15.2	6.25	2.58
(WY)	1957	1957	1994	1980	1994	1980	1990	1981	1989	2000	1956	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1922 - 2000	
ANNUAL TOTAL	18177.9		9906.50			
ANNUAL MEAN	49.8		27.1		40.1	
HIGHEST ANNUAL MEAN					86.4	1984
LOWEST ANNUAL MEAN					13.8	1990
HIGHEST DAILY MEAN	600	Jul 31	143	Apr 13	740	May 3 1924
LOWEST DAILY MEAN	2.3	Jun 8	.25	Aug 2	.21	Jun 19 1981
ANNUAL SEVEN-DAY MINIMUM	4.6	Jun 4	1.9	Aug 1	.38	May 11 1981
INSTANTANEOUS PEAK FLOW			261	Apr 9	a3960	Jul 31 1999
INSTANTANEOUS PEAK STAGE			b4.55	Apr 9	c8.42	Jul 31 1999
ANNUAL RUNOFF (AC-FT)	36060		19650		29030	
10 PERCENT EXCEEDS	124		41		92	
50 PERCENT EXCEEDS	25		23		25	
90 PERCENT EXCEEDS	17		13		12	

e Estimated.
a On basis of slope-area measurement of peak flow.
b Maximum gage height, 7.20 ft, Jan 8, backwater from ice.
c From high water mark.

09147022 RIDGWAY RESERVOIR NEAR RIDGWAY, CO

LOCATION.--Lat 38°14'14", long 107°45'27", $NW^1/_4SW^1/_4$ sec.16, T.46 N., R.8 W., Ouray County, Hydrologic Unit 14020006, in concrete gate house at base of Ridgway Reservoir on Uncompahgre River, 0.5 mi upstream from Fisher Creek, and 5.3 mi north of Ridgway.

DRAINAGE AREA.--265 mi^2.

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,871.3 ft. above sea level, (levels by U.S. Bureau of Reclamation); gage readings have been reduced to elevations above sea level.

REMARKS.--Reservoir is formed by an earthfill dam. Dam completed Mar. 22, 1988. Capacity 84,590 acre-ft, between 6,680.0 ft, streambed at dam axis and 6,871.3 ft, crest of spillway. Dead storage below elevation 6,720.0 ft, 1,430 acre-ft. Figures given are live contents.

COOPERATION.--Capacity tables provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents 84,900 acre-ft, June 11, 1990, elevation 6,872.93 ft; minimum contents, 49,810 acre-ft, June 2, 1995, elevation, 6,834.93 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily mean contents, 84,440 acre-ft, May 8, mean elevation, 6,872.49 ft; minimum daily mean contents, 63,110 acre-ft, Oct. 25; mean elevation, 6,850.80 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	6855.35	67,290	
Oct. 31	6851.16	63.430	-3,860
Nov. 30	6853.40	65,480	+2,050
Dec. 31	6855.19	67,140	+1,660
CAL YR 1999	-	-	+1,710
Jan. 31	6856.83	68,680	+1,540
Feb. 29	6858.09	69,880	+1,200
Mar. 31	6860.07	71,780	+1,900
Apr. 30	6870.85	82,680	+10,900
May 31	6871.15	83,000	+320
June 30	6869.25	80,990	-2,010
July 31	6860.15	71,860	-9,130
Aug. 31	6852.35	64,520	-7,340
Sept. 30	6854.01	66,040	+1,520
WATER YEAR 2000	-	-	-1,250

09147025 UNCOMPAHGRE RIVER BELOW RIDGWAY RESERVOIR, CO

LOCATION.--Lat 38°14'17", long 107°45'31", in NE$^1/_4$SE$^1/_4$ sec.17, T.46 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank 1,600 ft upstream from Fisher Creek, 800 ft downstream from Ridgway Reservoir gate house, and 5.4 mi north of Ridgway.

DRAINAGE AREA.--265 mi^2.

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,650 ft above sea level, from topographic map.

REMARKS.-- No estimated daily discharges. Records good. Diversions for irrigation by means of numerous canals downstream from station. Flow regulated by Ridgway Reservoir (capacity 84,591 acre-ft). Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	453	52	50	50	49	47	47	106	821	280	320	100
2	453	44	50	50	49	47	47	120	819	280	320	98
3	453	44	51	50	49	47	47	214	813	278	320	98
4	317	44	52	50	49	47	47	302	812	274	320	100
5	199	44	52	50	49	47	47	415	701	274	320	98
6	199	45	52	50	49	47	47	484	538	274	323	98
7	199	46	52	50	49	48	47	482	503	288	306	99
8	199	47	52	50	49	47	47	658	503	298	258	100
9	195	48	52	50	48	47	47	740	503	298	249	98
10	195	49	52	50	47	47	47	675	503	298	249	98
11	180	49	52	50	47	47	47	657	503	297	249	100
12	170	49	52	49	47	47	47	631	469	296	251	100
13	161	49	52	49	47	47	47	625	416	296	254	100
14	149	49	52	49	47	47	47	622	393	295	254	98
15	145	49	52	49	47	47	47	558	385	291	256	98
16	143	49	52	49	47	47	47	440	362	292	255	98
17	142	49	51	49	49	47	47	391	351	291	254	98
18	144	49	50	49	49	47	47	392	351	291	254	97
19	145	49	50	49	49	47	47	391	351	291	254	95
20	143	49	50	49	49	47	47	390	351	305	257	97
21	143	49	50	49	49	47	47	389	335	314	236	98
22	143	50	50	49	49	47	47	388	308	313	192	95
23	141	50	50	49	49	47	47	389	296	308	171	95
24	139	50	50	49	47	47	85	390	296	319	145	95
25	96	50	50	49	47	47	109	389	296	326	128	95
26	66	50	50	49	47	47	107	386	296	326	128	94
27	66	50	50	49	47	47	106	386	273	326	128	93
28	66	50	50	49	47	47	106	386	264	326	128	93
29	65	50	50	49	47	47	106	386	264	325	109	93
30	64	50	50	49	---	47	106	586	273	320	98	93
31	62	---	50	49	---	47	---	789	---	320	98	---
TOTAL	5435	1452	1578	1530	1394	1458	1806	14157	13349	9310	7084	2912
MEAN	175	48.4	50.9	49.4	48.1	47.0	60.2	457	445	300	229	97.1
MAX	453	52	52	50	49	48	109	789	821	326	323	100
MIN	62	44	50	49	47	47	47	106	264	274	98	93
AC-FT	10780	2880	3130	3030	2760	2890	3580	28080	26480	18470	14050	5780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	127	88.2	75.5	60.8	62.1	92.2	249	343	424	427	346	203
MAX	307	165	105	76.5	93.9	179	560	510	652	846	535	456
(WY)	1998	1999	1993	1997	1997	1995	1997	1997	1999	1995	1992	1999
MIN	55.4	43.1	41.9	41.3	39.9	39.3	36.8	159	199	186	188	68.1
(WY)	1991	1990	1990	1992	1998	1990	1990	1989	1989	1989	1989	1993

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	92553		61465			
ANNUAL MEAN	254		168		209	
HIGHEST ANNUAL MEAN					311	1995
LOWEST ANNUAL MEAN					117	1989
HIGHEST DAILY MEAN	1110	Jun 25	821	Jun 1	1110	Jun 25 1999
LOWEST DAILY MEAN	44	Nov 2	44	Nov 2	34	Apr 21 1990
ANNUAL SEVEN-DAY MINIMUM	45	Nov 2	45	Nov 2	34	Apr 21 1990
INSTANTANEOUS PEAK FLOW			830	May 31	1160	Jun 13 1990
INSTANTANEOUS PEAK STAGE			3.25	May 31	a3.56	Jun 13 1990
ANNUAL RUNOFF (AC-FT)	183600		121900		151400	
10 PERCENT EXCEEDS	516		389		475	
50 PERCENT EXCEEDS	79		93		115	
90 PERCENT EXCEEDS	50		47		47	

a Maximum gage height, 3.63 ft, July 10, 1995.

09147500 UNCOMPAHGRE RIVER AT COLONA, CO

LOCATION.--Lat. 38°19'53", long. 107°46'44", in $NW^1/_4NW^1/_4$ sec.17, T.47 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank 75 ft downstream from county highway crossing, 0.2 mi north of Colona, and 1.0 mi upstream from Beaton Creek.

DRAINAGE AREA.--448 mi^2.

PERIOD OF RECORD.--April 1903 to November 1905, April to June 1906 (gage heights and discharge measurements only), October 1912 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "near Colona" 1904-06, 1922-34. Statistical summary computed for 1986 to current year. Water-quality data available 1990-93.

REVISED RECORDS.--WSP 1313: 1904. WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,318.80 ft above sea level. See WSP 1713 or 1733 for history of changes prior to Sept. 30, 1949

REMARKS.--Records good. Flow regulated by Ridgway Reservoir, 7.7 mi upstream, since 1986, total capacity 84,590 acre-ft. Diversions upstream from station for irrigation of about 2,600 acres downstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	480	83	51	53	57	63	70	180	1040	229	287	67
2	477	65	52	52	55	64	66	218	979	226	288	64
3	471	62	52	52	57	61	68	383	971	225	288	65
4	334	62	49	53	59	64	73	512	959	221	287	64
5	214	62	46	52	57	69	97	633	818	221	289	64
6	216	61	47	54	57	64	113	724	613	219	287	66
7	224	60	52	55	57	67	110	685	607	235	272	66
8	226	58	56	59	58	65	126	935	575	255	226	66
9	232	58	52	51	60	63	129	955	560	255	212	69
10	227	57	53	50	61	63	158	810	532	255	212	66
11	212	58	53	50	60	59	140	788	511	252	214	66
12	189	57	51	50	58	60	126	727	480	252	214	67
13	181	57	50	49	57	57	155	660	433	247	214	68
14	168	56	51	50	56	59	172	637	419	243	213	66
15	162	55	49	51	56	63	177	565	395	257	214	64
16	162	54	51	52	57	62	127	459	361	301	217	62
17	161	56	54	53	58	61	144	420	332	275	213	61
18	164	55	51	55	57	60	183	382	317	266	220	71
19	162	51	50	56	55	58	147	371	327	252	221	63
20	159	53	49	54	58	61	110	361	320	262	218	60
21	160	55	51	54	60	61	127	395	298	275	197	60
22	161	56	51	55	61	60	116	478	276	273	150	61
23	165	55	54	49	59	59	103	598	261	275	127	62
24	166	50	52	51	60	59	139	732	253	281	110	69
25	133	50	53	55	58	62	168	676	257	287	87	78
26	89	56	52	56	57	65	201	570	257	e288	88	85
27	88	56	52	57	60	65	261	544	241	e288	88	78
28	87	55	53	55	63	78	300	631	231	e288	92	77
29	90	53	52	51	62	74	280	717	223	e288	74	83
30	86	52	54	51	---	76	217	931	223	e288	67	85
31	93	---	54	53	---	73	---	1070	---	287	70	---
TOTAL	6139	1718	1597	1638	1690	1975	4403	18747	14069	8066	5956	2043
MEAN	198	57.3	51.5	52.8	58.3	63.7	147	605	469	260	192	68.1
MAX	480	83	56	59	63	78	300	1070	1040	301	289	85
MIN	86	50	46	49	55	57	66	180	223	219	67	60
AC-FT	12180	3410	3170	3250	3350	3920	8730	37180	27910	16000	11810	4050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	154	110	91.2	79.8	80.9	119	304	531	647	457	305	200
MAX	353	214	132	105	121	213	683	926	1066	1226	598	495
(WY)	1998	1999	1993	1986	1997	1997	1997	1987	1995	1995	1999	1999
MIN	51.6	50.2	51.5	51.4	51.0	58.2	62.6	160	229	207	135	52.3
(WY)	1990	1990	2000	1990	1990	1990	1990	1988	1989	1988	1988	1989

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1986 - 2000	
ANNUAL TOTAL	110317		68041			
ANNUAL MEAN	302		186		a257	
HIGHEST ANNUAL MEAN					396	1997
LOWEST ANNUAL MEAN					129	1989
HIGHEST DAILY MEAN	1530	Jun 25	1070	May 31	1900	Jul 11 1995
LOWEST DAILY MEAN	43	Apr 23	46	Dec 5	b25	Apr 28 1990
ANNUAL SEVEN-DAY MINIMUM	45	Apr 17	50	Nov 30	29	Sep 24 1989
INSTANTANEOUS PEAK FLOW			1220	May 31	c2230	Jul 12 1995
INSTANTANEOUS PEAK STAGE			3.53	May 31	4.76	Jul 12 1995
ANNUAL RUNOFF (AC-FT)	218800		135000		186400	
10 PERCENT EXCEEDS	597		473		603	
50 PERCENT EXCEEDS	125		78		129	
90 PERCENT EXCEEDS	53		52		60	

e Estimated.
a Average discharge for 76 years (water years 1904-1905, 1913-1986), 271 ft^3/s, 196,300 acre-ft/yr, prior to completion of Ridgway Reservoir.
b Minimum daily discharge for period of record, 12 ft^3/s, Sep 19, 1956, and May 7, 1967.
c Maximum discharge for period of record, 4080 ft^3/s, June 13-14, 1921, gage height unknown.

09149500 UNCOMPAHGRE RIVER AT DELTA, CO

LOCATION.--Lat 38°44'31", long 108°04'49", in $SW^1/_4SW^1/_4$ sec.13, T.15 S., R.96 W., Delta County, Hydrologic Unit 14020006, on right bank 525 ft downstream from 5th Street Bridge at west edge of Delta and 1.1 mi upstream from mouth.

DRAINAGE AREA.--1,115 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1903 to October 1931 (no winter records in most years), September 1938 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "near Delta" 1907-24. Statistical summary computed for 1939 to current year.

REVISED RECORDS.--WSP 1243: 1904. WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,926.49 ft above sea level. Feb. 18, 1960 to Mar. 26, 1963, water-stage recorder at site 750 ft upstream at datum 3.43 ft higher. Mar. 27, 1963 to May 12, 1965, water-stage recorder at site 1,050 ft upstream at datum 6.08 ft higher. See WSP 1733 or 1924 for history of changes prior to Feb. 18, 1960.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by water diverted from Gunnison River (see record of diversion through Gunnison tunnel published with station 09128000) and other adjacent basins. Flow regulated by Ridgway Reservoir since 1986, total capacity 84,590 acre-ft. Diversions for irrigation of about 90,000 acres upstream from station and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e810	731	252	207	171	149	405	142	525	134	142	302
2	e810	571	250	202	160	147	362	119	484	138	141	313
3	e810	385	258	195	162	144	342	128	456	137	138	305
4	e430	343	247	178	167	142	312	190	498	132	143	292
5	e250	330	233	208	167	146	305	228	453	137	143	287
6	e255	319	237	186	164	146	286	350	306	126	148	312
7	e260	312	240	177	160	158	250	368	239	112	134	344
8	267	308	246	193	159	158	294	560	250	118	118	344
9	264	304	236	199	162	150	318	1020	238	157	108	414
10	255	298	239	197	167	152	396	665	212	165	113	395
11	253	290	241	185	173	150	341	541	214	153	122	383
12	243	283	227	186	168	146	275	517	199	137	129	337
13	234	283	223	180	163	144	226	454	166	142	132	335
14	238	280	225	177	158	119	220	384	151	137	130	338
15	235	278	207	180	157	124	275	335	142	151	129	329
16	241	275	225	182	158	131	235	241	125	157	169	322
17	252	278	231	183	166	319	189	185	116	169	176	320
18	255	273	226	192	168	354	169	177	123	155	182	357
19	256	265	221	194	159	392	214	173	141	150	184	335
20	277	264	218	189	155	357	158	172	138	150	217	323
21	289	266	215	186	156	405	133	171	143	149	239	327
22	294	271	214	190	157	432	115	167	137	150	252	344
23	294	268	205	181	157	470	111	197	131	158	255	343
24	292	257	209	173	154	253	111	325	131	155	243	356
25	297	252	207	179	153	149	141	375	130	149	222	370
26	306	259	207	188	147	138	141	332	129	148	213	389
27	297	263	205	196	150	136	145	274	148	142	225	392
28	291	260	203	182	149	231	175	295	149	145	228	400
29	300	255	205	167	151	204	181	364	143	148	234	460
30	328	251	201	158	---	223	167	435	136	153	271	477
31	382	---	200	164	---	355	---	538	---	143	308	---
TOTAL	10265	9272	6953	5754	4638	6724	6992	10422	6553	4497	5588	10545
MEAN	331	309	224	186	160	217	233	336	218	145	180	352
MAX	810	731	258	208	173	470	405	1020	525	169	308	477
MIN	234	251	200	158	147	119	111	119	116	112	108	287
AC-FT	20360	18390	13790	11410	9200	13340	13870	20670	13000	8920	11080	20920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	407	255	168	139	134	166	312	510	565	323	295	392
MAX	844	442	294	223	222	367	1107	2542	1763	1170	959	944
(WY)	1998	1999	1999	1999	1997	1997	1985	1984	1984	1983	1999	1961
MIN	131	125	111	70.9	66.5	80.7	78.6	125	136	112	93.7	123
(WY)	1978	1950	1943	1943	1943	1951	1967	1954	1954	1955	1956	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	162520		88203			
ANNUAL MEAN	445		241		306	
HIGHEST ANNUAL MEAN					688	1984
LOWEST ANNUAL MEAN					155	1951
HIGHEST DAILY MEAN	1580	Aug 1	1020	May 9	4520	May 15 1984
LOWEST DAILY MEAN	56	Apr 14	108	Aug 9	a20	Dec 26 1962
ANNUAL SEVEN-DAY MINIMUM	94	Apr 17	122	Aug 8	42	Mar 14 1959
INSTANTANEOUS PEAK FLOW			1230	May 9	b5800	May 15 1984
INSTANTANEOUS PEAK STAGE			5.65	May 9	8.85	May 15 1984
ANNUAL RUNOFF (AC-FT)	322400		175000		221600	
10 PERCENT EXCEEDS	877		377		609	
50 PERCENT EXCEEDS	294		210		207	
90 PERCENT EXCEEDS	201		137		108	

e Estimated.
a Minimum daily discharge for period of record, no flow at times in 1908. Minimum daily determined since beginning of diversion through Gunnison Tunnel, 7.0 ft^3/s, Jul 10-15, 17, 21, 24-28, 1910.
b From rating curve extended above 3400 ft^3/s.

09149500 UNCOMPAHGRE RIVER AT DELTA, CO--Continued

PERIOD OF RECORD.--October 1958 to September 1980, October 1987 to September 1988 (revised), October 1990 to September 1993, October 1994 (revised) to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
OCT										
07...	0822	264	1470	8.3	11.3	650	178	49.8	90.6	2
NOV										
16...	1120	274	1710	8.2	5.4	740	193	61.9	110	2
JAN										
07...	1035	142	1830	8.3	.0	770	198	67.7	130	2
21...	1130	188	1810	8.3	4.7	720	176	67.0	133	2
FEB										
03...	0915	170	1700	8.4	1.0	690	176	61.2	121	2
MAR										
20...	1030	426	802	8.0	4.5	310	78.9	26.7	50.2	1
APR										
12...	0945	308	832	8.1	9.0	300	79.3	25.6	53.0	1
MAY										
10...	1426	663	853	8.2	15.0	340	94.5	24.4	44.4	1
JUN										
06...	1340	331	1120	8.2	19.6	470	134	33.7	64.4	1
26...	1030	129	1580	8.0	16.8	710	203	49.4	91.4	1
JUL										
19...	0845	162	1580	8.2	16.0	690	197	49.1	93.0	2
AUG										
29...	1100	246	1540	8.2	18.4	660	186	47.1	87.0	1
SEP										
12...	1425	339	1320	8.2	20.5	570	159	42.7	74.5	1

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT										
07...	3.8	220	581	9.3	.7	15.8	1060	1.44	773	12.5
NOV										
16...	3.6	209	701	12.1	.7	16.8	1220	1.66	793	18.8
JAN										
07...	4.3	256	817	15.8	.6	19.0	1410	1.91	570	22.9
21...	4.7	237	774	15.4	.6	16.3	1330	1.81	675	19.4
FEB										
03...	3.9	235	703	15.2	.6	16.5	1240	1.68	579	19.3
MAR										
20...	2.3	135	288	6.3	.3	13.4	547	.74	630	8.7
APR										
12...	3.4	136	290	6.0	.4	12.5	551	.75	470	9.4
MAY										
10...	2.9	135	295	5.8	.4	13.6	562	.76	1010	7.0
JUN										
06...	3.7	176	430	6.8	.5	15.8	794	1.08	710	9.8
26...	3.3	219	663	10.8	.8	17.7	1170	1.59	408	13.0
JUL										
19...	3.7	227	634	10.2	.9	19.9	1140	1.56	501	11.1
AUG										
29...	3.7	216	603	9.5	.8	19.1	1090	1.48	721	10.9
SEP										
12...	3.3	209	502	8.1	.7	18.0	933	1.27	854	11.5

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
NOV				
29...	1540	255	1710	7.4
MAR				
01...	1530	149	1720	8.1
MAY				
09...	1100	1140	836	10.4
JUN				
13...	1230	172	1490	17.9
JUL				
20...	0935	158	1580	15.4

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, CO

LOCATION.--Lat 38°59'00", long 108°27'00", in $NE^1/_4SW^1/_4$ of sec.14, T.2 S., R.1 E., Ute Meridian, Mesa County, Hydrologic Unit 14020005, on right bank 180 ft upstream from bridge on State Highway 141, 0.4 mi downstream from Whitewater Creek, 0.5 mi south of Whitewater, and 8 mi southeast of Grand Junction.

DRAINAGE AREA.--7,928 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1894 to December 1895 (gage heights only), October 1896 to September 1899, October 1901 to October 1906, October 1916 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "at Whitewater" 1901-06.

REVISED RECORDS.--WSP 509: Drainage area at former site. WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Datum of gage is 4,628.12 ft above sea level. See WSP 1733 or 1924 for history of changes prior to October 1959.

REMARKS.--Records good except for the period Nov. 17 to Mar. 9 and estimated daily discharges, which are fair. Records show flow that enters Colorado River from Gunnison River basin except for about 60 ft^3/s diverted downstream from gage during irrigation season. Natural flow of river affected by diversions for irrigation of about 233,000 acres upstream from station, storage reservoirs, and return flow from irrigated lands.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3300	2630	1980	1820	1230	1270	1930	3210	3070	1420	1620	2030
2	3980	2260	1990	1830	1260	1260	1860	3140	2890	1480	1570	1990
3	4790	2230	1970	1690	1320	1240	1850	3370	2730	1480	1500	1860
4	5600	2110	1910	1580	1310	1250	1810	3660	2650	1410	1530	1850
5	5370	2070	1820	1740	1320	1170	1830	4050	2570	1450	1580	1810
6	4720	2030	1820	1530	1350	1210	1980	4280	2480	1490	1630	1830
7	4350	2010	1830	1410	1330	1100	2240	4280	2320	1380	1660	1910
8	3750	2050	1910	1490	1320	1090	2450	4270	2250	1320	1620	1880
9	3250	2040	1830	1540	1300	1110	2590	5180	2190	1540	1650	1960
10	2730	1850	1860	1640	1280	e1140	2980	4340	2150	1720	1610	1950
11	2340	1590	1880	1540	1290	e1150	3200	3890	2050	1640	1640	1930
12	2200	1420	1840	1340	1290	e1200	3060	3850	1970	1550	1620	1850
13	2220	1300	1840	1370	1260	e1200	3280	3500	1850	1570	1700	1780
14	2260	1750	1750	1350	1290	e1200	3560	3030	1710	1520	1740	1730
15	2250	e1800	1670	1360	1280	e1180	3510	2770	1630	1500	1720	1730
16	2280	1840	1770	1370	1270	e1400	3250	2430	1580	1560	1770	1720
17	2360	1950	1860	1400	1300	e1350	2920	2300	1540	1700	1780	1670
18	2410	1870	1870	1430	1290	e1500	3100	2650	1520	1720	1870	1690
19	2440	1870	1830	1430	1270	e1600	3120	3130	1700	1570	1790	1720
20	2460	1880	1850	1400	1240	e1650	2750	3490	1930	1450	1980	1670
21	2420	1880	1800	1360	1280	e1700	2520	3960	1830	1450	2050	1670
22	2330	1890	1690	1360	1300	e1700	2540	4140	1630	1430	2140	1740
23	2410	1870	1700	1270	1260	1760	2500	4050	1540	1410	2070	1710
24	2420	1810	1710	1280	1310	1670	2500	4370	1470	1440	1970	1650
25	2420	1800	1750	1300	1240	1550	2650	4500	1460	1430	1940	1730
26	2450	1900	1720	1380	1210	1550	2780	3990	1490	1470	1920	1770
27	2410	2010	1740	1360	1290	1580	3110	3150	1530	1460	1980	1770
28	2400	1990	1740	1290	1350	1690	3570	2750	1560	1580	1960	1730
29	2300	1970	1740	1250	1310	1790	3670	2980	1490	1630	1920	1760
30	2070	1950	1740	1260	---	1750	3340	3190	1450	1670	2020	1880
31	2370	---	1740	1240	---	1880	---	3290	---	1690	2040	---
TOTAL	91060	57620	56150	44610	37350	43890	82450	111190	58230	47130	55590	53970
MEAN	2937	1921	1811	1439	1288	1416	2748	3587	1941	1520	1793	1799
MAX	5600	2630	1990	1830	1350	1880	3670	5180	3070	1720	2140	2030
MIN	2070	1300	1670	1240	1210	1090	1810	2300	1450	1320	1500	1650
AC-FT	180600	114300	111400	88480	74080	87060	163500	220500	115500	93480	110300	107000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1476	1458	1356	1271	1272	1462	3112	7480	7067	2559	1400	1383
MAX	3479	3303	3225	3515	3844	4114	9184	18870	19630	11950	3639	4959
(WY)	1987	1987	1987	1974	1974	1997	1942	1920	1957	1995	1957	1929
MIN	268	497	500	500	500	500	580	698	577	165	153	267
(WY)	1935	1899	1899	1899	1899	1903	1977	1977	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1897 - 2000	
ANNUAL TOTAL	888708		739240			
ANNUAL MEAN	2435		2020		2611	
HIGHEST ANNUAL MEAN					5187	1984
LOWEST ANNUAL MEAN					838	1934
HIGHEST DAILY MEAN	6100	May 25	5600	Oct 4	35200	May 23 1920
LOWEST DAILY MEAN	895	Apr 19	1090	Mar 8	106	Jul 20 1934
ANNUAL SEVEN-DAY MINIMUM	967	Apr 14	1140	Mar 5	116	Jul 14 1934
INSTANTANEOUS PEAK FLOW			5770	Oct 4	a35700	May 23 1920
INSTANTANEOUS PEAK STAGE			6.25	Oct 4	14.95	May 23 1920
ANNUAL RUNOFF (AC-FT)	1763000		1466000		1892000	
10 PERCENT EXCEEDS	3920		3200		6150	
50 PERCENT EXCEEDS	2120		1780		1390	
90 PERCENT EXCEEDS	1230		1290		703	

e Estimated.
a Site and datum then in use, from rating curve extended above 22000 ft^3/s.

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1931 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1935 to September 1974, September 1975 to current year.
WATER TEMPERATURE: April 1949 to September 1974, September 1975 to current year.

INSTRUMENTATION.--Water-quality monitor since September 1975, November 1991 water-quality monitor with satellite telemetry.

REMARKS.--Daily specific-conductance data are good except for Oct. 1-6, Nov. 17 to Dec. 4, which are fair, and Dec. 5 to Jan. 19, which are poor. Daily maximum and minimum specific-conductance data previous to water year 1995 are available in the district office. Daily water temperature data are good.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 3,000 microsiemens several days during July and Sept. 1974; minimum, 194 microsiemens June 6, 1979.
WATER TEMPERATURE: Maximum, 30.0°C Aug. 13, 1958; minimum, 0.0°C on many days during winter months most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,050 microsiemens/cm, Nov. 14; minimum, 331 microsiemens/cm, May 6.
WATER TEMPERATURE: Maximum, 23.9°C, July 11; minimum, 0.0°C, on several days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
OCT											
06...	1300	4790	484	8.2	13.3	8.9	190	52.6	15.0	20.7	.6
NOV											
17...	1500	1880	831	8.7	8.1	11.0	330	82.8	29.4	45.7	1
JAN											
19...	0930	1520	888	8.1	4.8	10.4	340	81.8	33.3	58.5	1
MAR											
09...	1230	1170	904	8.4	7.0	10.6	360	83.7	36.2	67.1	2
22...	0915	1700	706	8.1	4.9	--	250	60.8	23.2	40.0	1
APR											
13...	1030	3430	439	8.1	11.4	8.3	170	44.5	14.3	21.1	.7
MAY											
10...	1000	4280	477	8.1	12.9	8.0	190	52.2	15.1	24.2	.8
JUN											
06...	1050	2390	627	8.3	17.7	7.8	250	68.6	19.2	31.9	.9
JUL											
24...	1035	1410	872	8.2	19.7	7.9	350	96.0	27.0	44.3	1
AUG											
29...	1345	1890	866	8.4	21.7	7.8	350	95.8	27.1	44.0	1

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT										
06...	2.0	103	132	2.7	.3	12.9	300	.41	3880	E2.0
NOV										
17...	2.9	141	279	6.8	.4	13.7	545	.74	2760	5.8
JAN										
19...	3.5	152	312	7.8	.3	14.4	602	.82	2470	6.6
MAR										
09...	3.3	161	332	9.6	.4	11.9	641	.87	2020	6.8
22...	2.5	132	218	6.7	.3	12.8	444	.60	2040	4.7
APR										
13...	2.3	105	113	3.1	.2	12.0	273	.37	2530	2.5
MAY										
10...	2.3	94	145	4.1	.2	12.1	311	.42	3600	2.4
JUN										
06...	2.6	118	201	4.6	.3	13.1	412	.56	2660	3.8
JUL										
24...	2.9	144	301	6.9	.4	13.3	578	.79	2200	3.7
AUG										
29...	3.3	147	297	6.4	.4	13.9	575	.78	2940	4.9

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	558	552	555	843	776	795	768	756	764	780	767	774
2	555	531	544	812	751	768	771	758	766	785	770	776
3	531	505	515	817	752	780	770	763	767	795	781	788
4	505	490	498	805	787	799	773	764	769	802	782	790
5	491	485	487	826	804	817	773	766	770	790	729	763
6	518	482	490	827	816	822	770	744	752	797	766	780
7	541	514	527	823	810	818	762	745	754	823	790	804
8	593	541	566	811	799	805	775	761	766	850	823	834
9	647	593	618	805	796	803	783	770	775	872	841	859
10	706	647	667	834	795	805	781	747	763	873	863	867
11	761	706	739	912	834	870	771	753	762	866	767	818
12	793	761	783	979	912	950	780	769	774	767	705	746
13	796	762	777	1030	971	996	780	771	775	705	646	664
14	782	752	764	1050	798	911	776	752	765	646	624	636
15	779	756	767	798	785	790	781	758	769	655	622	641
16	790	764	777	797	778	789	765	727	744	723	651	663
17	776	757	766	832	777	799	763	744	753	752	723	738
18	768	750	760	830	812	823	770	758	764	803	751	775
19	772	759	767	833	820	828	775	763	769	941	803	864
20	772	757	765	827	786	798	780	771	774	950	928	938
21	766	757	763	802	785	791	780	768	776	933	890	908
22	805	764	784	812	796	805	779	754	774	892	868	875
23	811	772	787	811	797	802	780	769	776	896	858	868
24	776	766	770	798	775	786	782	753	770	906	870	887
25	770	760	765	781	755	765	772	748	764	875	834	846
26	773	763	768	767	754	762	776	762	769	869	832	843
27	772	761	766	776	763	768	785	770	776	957	869	910
28	773	763	768	781	773	776	776	767	772	966	934	955
29	803	763	779	779	766	773	780	766	771	934	876	901
30	802	791	797	776	765	772	784	762	775	876	818	845
31	791	777	785	---	---	---	783	773	778	829	796	816
MONTH	811	482	699	1050	751	812	785	727	768	966	622	812

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	813	784	799	825	807	814	670	649	658	396	382	391
2	888	786	839	818	807	813	668	655	661	398	376	388
3	850	771	815	825	808	818	667	656	660	381	367	375
4	795	770	782	819	804	812	675	643	655	383	350	365
5	801	767	788	805	791	798	650	641	644	369	334	355
6	798	778	785	811	797	805	646	621	635	359	331	351
7	794	775	783	819	797	807	630	591	605	372	349	359
8	786	769	778	885	810	838	599	542	556	401	369	384
9	784	766	774	948	873	915	542	512	520	479	401	431
10	826	764	793	874	839	854	518	475	503	516	479	497
11	874	826	844	855	831	844	475	443	459	512	500	505
12	899	870	884	832	811	822	469	437	453	500	478	488
13	915	880	897	817	806	811	455	419	443	528	488	502
14	888	857	869	820	801	809	419	397	410	564	528	542
15	859	840	848	803	785	792	428	394	412	590	564	577
16	845	832	838	799	719	776	467	421	442	617	590	605
17	843	829	835	745	706	722	476	466	472	664	617	641
18	866	823	839	816	706	758	466	418	446	633	550	590
19	882	866	875	722	680	697	423	393	408	555	530	543
20	889	854	873	721	630	655	437	423	432	532	496	515
21	866	834	851	712	634	652	465	435	450	499	468	482
22	843	830	837	761	683	714	465	440	450	469	462	465
23	847	831	838	760	716	735	464	446	456	475	465	469
24	869	839	858	725	696	709	466	452	459	488	459	469
25	858	824	847	810	713	743	461	433	444	482	459	471
26	824	809	816	764	706	722	433	423	430	520	474	487
27	813	794	806	867	714	769	426	394	410	572	520	543
28	812	796	802	714	679	699	396	357	381	607	572	595
29	815	798	808	723	664	684	382	351	364	611	586	597
30	---	---	---	688	669	677	383	361	372	594	559	569
31	---	---	---	715	658	681	---	---	---	572	547	559
MONTH	915	764	828	948	630	766	675	351	490	664	331	487

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	592	562	572	966	942	949	854	793	825	891	878	884
2	611	583	593	953	929	940	836	809	824	899	886	894
3	625	605	611	943	928	933	858	812	835	935	893	915
4	636	619	625	929	906	915	863	817	841	936	924	930
5	648	629	636	908	882	897	856	819	834	925	913	920
6	664	626	642	887	862	877	858	811	834	922	913	917
7	673	650	659	865	848	857	818	794	808	936	918	926
8	695	660	675	891	842	857	810	758	792	934	923	928
9	720	686	702	891	868	880	782	745	761	979	926	954
10	730	692	712	938	884	911	759	734	744	1020	978	997
11	723	695	712	952	930	941	770	726	744	1010	980	1000
12	755	721	743	946	906	932	783	728	759	980	950	968
13	771	748	757	917	895	907	881	778	821	962	949	956
14	778	751	769	936	890	915	818	772	795	966	959	963
15	783	756	771	921	913	916	818	783	798	961	938	948
16	806	779	795	925	910	919	849	783	809	945	933	940
17	820	805	810	957	918	934	863	819	845	936	929	934
18	815	795	806	954	896	921	874	792	835	931	922	929
19	866	809	840	930	915	921	891	825	864	970	922	943
20	880	862	869	923	907	916	900	841	873	996	970	985
21	875	833	854	927	912	918	902	811	875	986	966	979
22	850	829	838	929	895	911	927	889	912	990	967	979
23	882	841	865	914	880	906	934	906	920	998	980	992
24	891	874	881	916	880	899	934	906	918	987	975	980
25	906	880	891	908	875	890	915	890	905	991	984	988
26	920	890	908	924	875	907	915	881	895	999	986	991
27	930	917	924	908	897	903	902	860	885	1020	996	1010
28	945	924	933	904	859	894	892	870	881	1000	989	998
29	955	933	941	860	816	841	910	852	881	989	979	985
30	960	937	946	851	803	830	864	852	859	1010	979	996
31	---	---	---	808	784	798	878	859	867	---	---	---
MONTH	960	562	776	966	784	901	934	726	840	1020	878	958
YEAR	1050	331	761									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.2	11.5	12.2	9.3	7.3	8.2	6.1	4.6	5.4	1.6	1.2	1.4
2	13.2	12.2	12.6	9.4	7.4	8.2	6.6	5.2	5.9	1.8	.9	1.4
3	13.2	12.1	12.6	9.0	7.0	7.9	6.0	4.6	5.4	2.0	.8	1.4
4	12.6	11.8	12.2	9.0	6.8	7.8	4.6	3.3	4.0	.9	.0	.2
5	12.4	11.6	12.1	9.2	6.9	8.0	3.9	2.6	3.3	.5	.0	.2
6	13.5	12.2	12.9	9.4	7.1	8.2	3.6	1.9	2.8	.5	.0	.1
7	12.9	11.8	12.4	9.1	7.1	8.1	3.5	2.1	2.8	.0	.0	.0
8	12.8	11.6	12.1	9.5	7.2	8.3	4.0	2.4	3.1	.0	.0	.0
9	13.6	12.2	12.7	9.9	7.9	8.9	3.2	---	---	.0	.0	.0
10	14.1	12.2	13.0	9.4	7.6	8.5	3.3	2.1	2.7	.4	.0	.1
11	14.4	12.2	13.2	8.8	7.0	7.9	3.8	2.4	3.0	2.2	.4	1.2
12	14.4	12.1	13.1	8.2	6.4	7.3	3.7	2.4	3.0	3.2	1.7	2.4
13	14.2	11.7	12.9	7.6	6.0	6.9	2.9	1.9	2.4	3.3	2.0	2.7
14	13.8	11.5	12.5	7.4	5.3	6.4	1.9	.5	1.2	3.3	2.1	2.7
15	13.4	11.3	12.2	7.5	5.3	6.4	.9	.0	.4	3.9	2.5	3.2
16	12.0	9.0	10.6	7.5	5.4	6.4	1.3	.0	.6	4.0	3.4	3.7
17	9.9	7.7	8.8	8.1	5.7	6.8	2.8	1.0	1.8	4.3	3.6	4.0
18	9.9	7.9	8.9	7.8	6.1	6.9	3.2	1.8	2.5	5.2	4.1	4.6
19	10.2	8.1	9.0	6.7	5.4	6.0	2.9	1.4	2.2	5.9	4.6	5.2
20	10.5	8.5	9.3	5.5	4.3	4.9	3.2	1.7	2.4	5.8	4.5	5.2
21	10.6	8.5	9.4	5.4	3.7	4.6	2.8	1.7	2.3	5.4	4.3	4.7
22	11.0	8.6	9.7	5.6	4.5	5.1	2.1	.9	1.6	5.2	3.7	4.4
23	10.8	8.8	9.7	4.9	3.4	4.2	1.9	.3	1.1	4.5	3.2	3.9
24	10.7	8.7	9.6	4.4	2.8	3.6	1.8	.1	1.0	4.0	3.0	3.6
25	10.5	8.5	9.4	3.8	2.3	3.0	2.0	.2	1.1	4.2	3.6	3.9
26	10.4	8.4	9.3	4.5	2.5	3.4	2.3	.5	1.4	4.7	4.1	4.4
27	10.4	8.3	9.2	5.7	4.0	4.8	2.5	.7	1.6	5.0	3.5	4.2
28	9.5	8.4	9.1	6.2	4.4	5.3	2.6	.8	1.7	4.0	2.5	3.2
29	9.7	8.6	9.1	6.7	4.8	5.7	2.6	.8	1.7	3.0	1.4	2.3
30	9.7	8.1	8.8	6.0	4.9	5.5	2.6	.8	1.7	2.5	.9	1.8
31	9.1	7.3	8.1	---	---	---	2.1	.6	1.4	1.8	1.2	1.6
MONTH	14.4	7.3	10.9	9.9	2.3	6.4	6.6	.0	2.4	5.9	.0	2.5

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.0	1.3	2.0	7.3	6.1	6.6	8.6	5.6	7.2	13.2	10.8	11.9
2	3.7	1.6	2.6	7.6	5.6	6.7	10.1	7.0	8.4	14.0	11.5	12.6
3	4.0	2.1	3.1	8.5	5.8	7.1	10.8	7.3	9.0	14.8	12.4	13.5
4	3.6	2.4	3.1	8.7	6.2	7.5	11.8	7.7	9.6	15.1	13.1	14.0
5	3.3	2.0	2.7	8.0	6.5	7.0	13.3	9.2	11.3	14.8	13.1	13.9
6	4.2	1.9	3.1	6.9	5.5	6.3	14.1	10.8	12.4	14.2	12.9	13.6
7	4.9	2.7	3.8	6.3	5.3	5.7	13.6	11.0	12.2	13.7	12.9	13.3
8	4.8	3.0	4.0	6.6	4.8	5.6	12.5	10.2	11.3	13.2	11.4	12.1
9	4.5	3.4	3.9	8.0	5.5	6.6	12.0	9.5	10.6	11.7	10.4	11.1
10	5.0	3.9	4.3	8.7	5.7	7.0	12.0	10.0	10.9	15.2	11.6	13.4
11	5.8	4.3	5.1	7.9	5.7	6.9	12.5	10.3	11.3	14.2	12.4	13.6
12	5.7	4.8	5.1	8.6	6.6	7.5	12.7	10.4	11.6	12.4	11.2	11.8
13	5.1	3.7	4.4	9.6	6.8	8.1	12.4	10.7	11.5	12.7	10.9	11.6
14	4.6	3.3	3.9	9.1	7.0	8.3	11.6	10.6	11.1	13.0	11.0	11.9
15	5.8	3.6	4.5	8.9	6.6	7.6	10.8	8.9	10.0	13.3	11.8	12.5
16	5.0	4.1	4.7	7.6	4.9	6.3	10.1	8.2	9.1	15.2	12.3	13.6
17	5.1	4.5	4.8	7.5	5.7	6.7	12.3	9.3	10.6	15.3	13.1	14.0
18	5.2	4.4	4.8	7.7	5.0	6.4	11.8	10.6	11.3	13.2	12.0	12.6
19	5.5	3.2	4.4	7.0	4.7	6.0	10.6	7.9	9.2	14.2	11.4	12.7
20	5.5	4.0	4.8	6.3	4.5	5.2	9.8	7.2	8.4	15.5	13.5	14.3
21	5.7	4.6	5.1	6.5	3.5	5.0	10.9	8.8	9.8	14.6	13.4	14.0
22	6.1	5.2	5.6	6.5	4.4	5.5	10.8	9.5	10.1	15.2	13.2	14.1
23	6.7	4.9	5.9	7.6	4.4	6.1	11.6	9.4	10.5	16.5	14.3	15.2
24	7.4	5.7	6.4	10.0	6.4	8.2	13.2	10.4	11.7	16.2	14.8	15.5
25	6.2	4.6	5.5	11.2	8.2	9.8	12.8	10.6	11.7	14.8	13.8	14.3
26	4.6	2.7	3.8	11.9	8.9	10.4	13.0	10.6	11.7	14.3	13.5	13.9
27	5.7	2.7	4.3	12.4	9.0	10.8	13.8	11.5	12.5	16.1	13.2	14.5
28	7.2	4.9	5.8	11.3	9.7	10.3	13.7	12.4	12.9	18.4	15.1	16.6
29	8.3	6.0	7.0	10.7	8.1	9.5	13.1	11.2	12.3	19.1	16.8	17.7
30	---	---	---	9.9	8.3	9.2	11.9	10.1	11.1	18.6	16.8	17.7
31	---	---	---	8.3	6.9	7.5	---	---	---	18.3	16.3	17.3
MONTH	8.3	1.3	4.4	12.4	3.5	7.3	14.1	5.6	10.7	19.1	10.4	13.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.0	15.4	16.7	22.4	18.4	20.3	22.6	18.9	20.7	18.7	16.9	17.8
2	18.4	16.2	17.2	22.7	19.3	21.2	23.1	19.4	21.2	18.4	15.6	17.0
3	19.1	16.3	17.6	22.8	19.8	21.4	22.2	19.8	21.0	19.1	15.9	17.5
4	19.7	16.9	18.1	22.2	19.4	21.0	22.2	19.9	21.1	19.6	16.3	18.0
5	19.0	16.9	18.0	21.2	18.0	19.9	23.3	19.8	21.5	19.4	17.4	18.3
6	19.5	16.3	17.9	21.5	17.6	19.7	23.2	19.7	21.5	18.3	16.5	17.4
7	20.9	17.2	19.0	22.0	18.5	20.4	22.2	18.8	20.8	18.6	15.2	16.8
8	20.6	18.3	19.3	21.4	19.3	20.5	22.7	18.6	20.6	18.4	16.7	17.6
9	20.0	17.7	18.8	21.2	18.5	19.8	22.4	19.2	20.9	17.6	15.2	16.6
10	19.5	16.6	18.1	22.7	19.0	20.7	22.1	19.6	21.0	18.7	15.3	17.0
11	20.1	16.4	18.2	23.9	19.9	21.8	22.5	18.9	20.7	18.8	15.8	17.4
12	19.8	16.8	18.4	22.8	20.1	21.6	22.0	19.1	20.5	18.9	15.4	17.2
13	20.2	16.7	18.4	22.7	19.4	21.0	21.4	18.5	20.1	19.1	15.7	17.5
14	20.7	16.2	18.4	23.7	19.7	21.7	21.2	18.6	20.2	19.4	15.9	17.7
15	21.9	17.8	19.8	23.7	20.1	21.9	21.9	18.8	20.3	19.5	16.2	17.9
16	21.2	17.7	19.4	23.5	20.5	22.1	21.3	18.5	20.0	19.8	16.3	18.1
17	20.4	16.2	18.3	22.9	20.4	21.7	21.6	18.6	20.1	18.8	16.5	17.6
18	19.9	17.2	18.6	23.5	19.9	21.7	20.7	18.8	19.7	18.7	15.7	17.3
19	19.0	17.2	18.0	22.9	19.3	21.2	20.8	17.9	19.3	19.2	16.5	17.9
20	19.2	15.8	17.5	22.8	19.1	20.9	20.8	18.2	19.4	18.6	15.8	17.4
21	20.9	16.3	18.5	22.4	18.8	20.8	19.8	17.8	18.7	17.3	15.3	16.1
22	20.4	17.6	19.1	23.1	19.0	21.1	19.0	16.4	17.6	17.2	14.1	15.6
23	21.1	17.7	19.5	22.4	19.3	21.1	20.6	17.6	18.9	16.3	14.5	15.3
24	20.7	17.8	19.4	22.0	19.3	20.8	21.0	18.3	19.5	14.6	12.2	13.4
25	21.4	18.2	19.9	22.6	19.1	20.9	21.2	18.2	19.6	14.3	11.1	12.6
26	20.8	18.8	19.5	22.8	19.2	21.1	20.4	18.4	19.3	14.7	11.5	13.1
27	20.0	17.6	18.8	23.0	19.9	21.5	20.8	17.8	19.3	15.9	12.5	14.2
28	22.1	17.7	19.7	23.3	20.0	21.8	21.5	18.6	19.9	16.7	13.9	15.3
29	21.9	18.7	20.3	23.2	19.7	21.5	21.5	19.1	20.2	16.8	14.7	15.8
30	21.0	18.6	19.9	22.8	19.5	21.2	20.6	18.9	19.8	17.6	15.0	16.3
31	---	---	---	22.3	19.1	20.8	19.5	17.6	18.6	---	---	---
MONTH	22.1	15.4	18.7	23.9	17.6	21.1	23.3	16.4	20.1	19.8	11.1	16.6
YEAR	23.9	.0	11.3									

09152520 CALLOW CREEK AT WHITEWATER, CO

LOCATION.--Lat 38°59'21", long 108°26'53", in $NE^1/_4NE^1/_4$ of sec.14, T.2 S., R.1 E., Ute Meridian, Mesa County, Hydrologic Unit 14020005, on right bank 100 ft downstream from box culvert under U.S. Highway 50 at Whitewater, and 8 mi southeast of Grand Junction.

DRAINAGE AREA.--4.17 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July to September 2000.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,680 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period July to September, 0.32 ft^3/s, Sept. 21 at 2345, gage height, 1.34 ft; no flow many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	.00	.01
2	---	---	---	---	---	---	---	---	---	---	.00	.01
3	---	---	---	---	---	---	---	---	---	---	.00	.00
4	---	---	---	---	---	---	---	---	---	---	.00	.00
5	---	---	---	---	---	---	---	---	---	---	.00	.00
6	---	---	---	---	---	---	---	---	---	---	.00	.00
7	---	---	---	---	---	---	---	---	---	---	.00	.00
8	---	---	---	---	---	---	---	---	---	---	.00	.00
9	---	---	---	---	---	---	---	---	---	---	.00	.00
10	---	---	---	---	---	---	---	---	---	---	.00	.00
11	---	---	---	---	---	---	---	---	---	---	.01	.00
12	---	---	---	---	---	---	---	---	---	---	.01	.00
13	---	---	---	---	---	---	---	---	---	---	.01	.00
14	---	---	---	---	---	---	---	---	---	---	.00	.00
15	---	---	---	---	---	---	---	---	---	---	.00	.00
16	---	---	---	---	---	---	---	---	---	---	.01	.00
17	---	---	---	---	---	---	---	---	---	---	.03	.00
18	---	---	---	---	---	---	---	---	---	---	.03	.04
19	---	---	---	---	---	---	---	---	---	---	.03	.04
20	---	---	---	---	---	---	---	---	---	---	.03	.00
21	---	---	---	---	---	---	---	---	---	---	.03	.03
22	---	---	---	---	---	---	---	---	---	.00	.01	.16
23	---	---	---	---	---	---	---	---	---	.00	.01	.08
24	---	---	---	---	---	---	---	---	---	.00	.01	.03
25	---	---	---	---	---	---	---	---	---	.00	.00	.02
26	---	---	---	---	---	---	---	---	---	.00	.00	.05
27	---	---	---	---	---	---	---	---	---	.00	.01	.09
28	---	---	---	---	---	---	---	---	---	.00	.01	.04
29	---	---	---	---	---	---	---	---	---	.00	.01	.02
30	---	---	---	---	---	---	---	---	---	.00	.01	.03
31	---	---	---	---	---	---	---	---	---	.00	.01	---
TOTAL	---	---	---	---	---	---	---	---	---	---	0.27	0.65
MEAN	---	---	---	---	---	---	---	---	---	---	.009	.022
MAX	---	---	---	---	---	---	---	---	---	---	.03	.16
MIN	---	---	---	---	---	---	---	---	---	---	.00	.00
AC-FT	---	---	---	---	---	---	---	---	---	---	.5	1.3

09152520 CALLOW CREEK AT WHITEWATER, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August to September 2000.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
AUG												
21...	1145	.02	1450	8.3	20.2	K340	K430	620	146	61.8	84.2	1
SEP												
27...	0950	.09	1770	8.2	10.7	1200	970	750	183	70.6	136	2

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
AUG											
21...	5.3	170	633	11.0	.4	18.9	1060	1.45	.06	--	12.7
SEP											
27...	5.5	214	820	17.2	.4	20.4	1380	1.88	.34	.135	10.9

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
AUG					SEP				
18...	0927	.03	1420	19.2	27...	1355	.09	1720	13.9
28...	0900	.01	1540	19.8					

09153290 REED WASH NEAR MACK, CO

LOCATION.--Lat 39°12'41", long 108°48'11", in $SE^1/_4SW^1/_4$ sec.27, T.2 N., R.3 W., Ute Meridian, Mesa County, Hydrologic Unit 14010005, on right bank 250 ft upstream from unnamed tributary, 0.4 mi downstream from Peck and Beede Wash, and 3.5 mi east of Mack.

DRAINAGE AREA.--15.7 mi^2.

PERIOD OF RECORD.--October 1975 to September 2000 (discontinued). Water-quality data available, October 1995 to September 1998.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,505 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow is mostly return flow and waste water from irrigated lands under Government Highline and Grand Valley Canals.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	81	33	5.7	4.2	3.5	3.0	61	54	60	67	72
2	57	80	73	5.7	4.2	3.5	3.0	59	55	60	75	75
3	54	76	68	5.4	4.2	3.3	3.2	57	48	60	68	70
4	54	74	60	5.3	4.1	3.3	3.7	61	50	62	64	61
5	57	75	58	5.2	4.0	3.4	39	58	47	64	61	62
6	64	75	58	5.0	3.9	3.2	86	58	48	67	62	68
7	66	25	60	4.9	3.8	3.4	70	58	55	65	60	68
8	61	16	56	4.9	3.9	3.1	65	71	50	66	62	70
9	60	13	59	4.8	4.0	3.2	69	63	57	69	62	65
10	55	12	24	4.7	4.3	3.0	63	62	57	70	63	62
11	54	11	8.1	4.7	4.0	3.0	64	64	61	64	69	66
12	61	11	7.7	4.6	4.0	3.0	68	57	58	64	76	65
13	62	11	7.6	4.5	3.9	3.0	62	55	56	65	72	63
14	60	11	7.3	4.6	3.8	3.0	49	59	52	65	75	58
15	62	11	7.1	4.5	3.7	3.1	57	57	54	61	69	55
16	62	10	7.0	4.5	3.7	2.9	51	57	54	61	72	57
17	64	10	6.9	4.3	3.8	3.1	47	53	55	62	69	54
18	69	10	7.0	4.4	3.8	3.1	42	53	56	61	67	55
19	72	9.8	6.8	4.3	3.8	3.0	47	57	58	64	67	61
20	63	9.7	6.7	4.3	3.8	3.2	40	53	60	65	69	61
21	58	9.6	6.5	4.6	3.8	3.0	46	56	64	62	72	61
22	69	8.9	6.2	4.7	3.7	3.0	41	56	66	62	74	62
23	65	8.6	6.1	4.6	3.7	2.9	38	57	68	70	70	64
24	66	8.5	6.1	4.6	3.8	2.9	42	53	66	69	74	63
25	64	8.4	6.1	4.7	3.6	2.8	41	51	66	74	76	63
26	67	8.3	6.0	5.2	3.5	2.7	40	58	74	68	73	66
27	71	8.1	6.0	4.5	3.5	2.7	43	53	69	65	78	63
28	75	7.8	6.0	4.4	3.7	2.9	47	48	66	61	77	61
29	82	7.6	5.9	4.4	3.5	3.0	53	44	62	63	80	60
30	78	7.8	5.8	4.4	---	3.0	57	47	62	61	93	58
31	69	---	5.7	4.3	---	3.0	---	51	---	65	66	---
TOTAL	1976	715.1	687.6	146.7	111.7	95.2	1379.9	1747	1748	1995	2182	1889
MEAN	63.7	23.8	22.2	4.73	3.85	3.07	46.0	56.4	58.3	64.4	70.4	63.0
MAX	82	81	73	5.7	4.3	3.5	86	71	74	74	93	75
MIN	54	7.6	5.7	4.3	3.5	2.7	3.0	44	47	60	60	54
AC-FT	3920	1420	1360	291	222	189	2740	3470	3470	3960	4330	3750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	75.7	21.6	13.8	5.81	4.49	6.98	47.5	64.9	65.4	72.7	76.4	75.3
MAX	99.4	39.5	29.0	15.3	6.67	26.8	65.3	112	95.9	98.1	96.3	115
(WY)	1977	1994	1989	1986	1976	1981	1986	1980	1978	1981	1978	1978
MIN	56.8	11.5	6.63	3.41	3.29	2.85	18.5	43.1	47.6	58.4	60.0	56.0
(WY)	1999	1976	1977	1982	1983	1983	1979	1992	1992	1991	1991	1999

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1976 - 2000	
ANNUAL TOTAL	14807.0		14673.2			
ANNUAL MEAN	40.6		40.1		44.4	
HIGHEST ANNUAL MEAN					54.0	1978
LOWEST ANNUAL MEAN					35.2	1992
HIGHEST DAILY MEAN	93	Apr 7	93	Aug 30	150	May 12 1980
LOWEST DAILY MEAN	3.0	Mar 18	2.7	Mar 26	2.0	Jan 31 1979
ANNUAL SEVEN-DAY MINIMUM	3.1	Mar 18	2.8	Mar 22	2.5	Jan 22 1982
INSTANTANEOUS PEAK FLOW			117	Aug 30	a390	Jul 23 1983
INSTANTANEOUS PEAK STAGE			5.00	Aug 30	b6.21	Sep 8 1991
ANNUAL RUNOFF (AC-FT)	29370		29100		32190	
10 PERCENT EXCEEDS	74		70		86	
50 PERCENT EXCEEDS	53		55		55	
90 PERCENT EXCEEDS	3.4		3.5		4.0	

a Gage height unknown.
b Maximum recorded gage height.

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE

LOCATION.--Lat 39°07'58", long 109°01'35", in $SE^1/_4NW^1/_4$ sec.5, T.11 S., R.104 W., Mesa County, Hydrologic Unit 14010005, on right bank 0.5 mi downstream from McDonald Creek, 1.7 mi upstream from Colorado-Utah State line, and 12 mi southwest of Mack.

DRAINAGE AREA.--17,843 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1951 to current year.

REVISED RECORDS.--WRD Colo. 1974: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,325 ft above sea level, from topographic map. May 1951 to October 1979, water-stage recorder at site 5.7 mi upstream at different datum. October 1979 to March 1995, water stage recorder at site 0.2 mi downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Natural flow of stream affected by transmountain diversions, storage reservoirs, power development, and diversions for irrigation. (Records include all return flow from irrigated areas).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6140	5320	e3700	3230	2610	2880	3820	7660	16300	5380	2820	4480
2	6630	5520	e3700	3390	2640	2870	3870	7430	15500	5070	2750	4210
3	7260	5240	3700	3450	2780	2950	3700	7680	14400	4880	2570	3890
4	7870	4910	3720	3320	2830	3000	3570	8780	13500	4580	2590	3750
5	8010	4860	3590	3070	2880	2870	3530	9970	12500	4320	2870	3740
6	7300	4780	3450	3120	2890	2930	3670	11400	11400	4230	3000	3740
7	6600	4690	3280	2950	2870	3050	4140	12300	10500	3890	3100	3790
8	6420	4350	3400	2750	2830	3110	4530	12700	10200	3600	2970	3870
9	6280	4240	3600	2800	2840	3080	4930	13800	9670	3520	2910	4020
10	5780	4140	3720	3210	2830	3140	5110	12300	9500	4020	2820	3980
11	5270	3770	3490	3380	2940	3040	5560	10900	8820	4160	2850	3930
12	4930	3510	3540	3150	3090	2940	5470	11500	8070	3860	2950	3720
13	4800	e3300	3570	3100	3040	2930	5350	11700	7660	3620	3100	3490
14	4810	e3900	3430	3110	2980	2800	5640	10300	7070	3380	3210	3290
15	4660	e3850	3160	3010	2940	2880	6150	9300	6470	3170	3310	3160
16	4690	e3920	3100	2970	2920	3000	6290	8510	6510	3140	3250	3090
17	4820	3860	3280	2980	2900	3220	5590	7960	6730	3550	3240	3030
18	5050	3820	3670	3090	3230	3150	5400	8430	6390	4200	3450	3110
19	5110	e3700	3640	3230	3120	3310	5890	8400	6360	4130	3630	3330
20	5150	e3750	3540	3270	2960	3530	5700	8200	6960	3690	3930	3300
21	5130	3710	3650	3240	2860	3600	5040	8290	7730	3180	4190	3300
22	5040	e3900	3510	3240	2870	3700	5050	8630	7770	2900	4150	3520
23	5130	e3870	3510	3170	2960	3690	5090	9090	7010	2690	4020	3710
24	5120	e3750	3420	3000	2870	3560	5210	11000	6350	2630	3730	4160
25	5120	e3600	3350	2820	2890	3460	5570	14600	6120	2610	3590	3870
26	5110	e3400	3340	2750	2900	3420	5610	15700	5820	2670	3460	3830
27	5100	e3750	3320	e2900	2820	3560	5860	14600	5960	2680	3510	3760
28	5200	e3900	3300	e2950	2810	3570	6510	12700	6240	2750	3920	3560
29	5190	e3850	3260	2910	2850	3810	7590	12900	6000	2920	3940	3250
30	5150	e3650	3280	2700	---	3800	7910	15300	5700	2880	4060	3320
31	5280	---	3240	2560	---	3640	---	17000	---	2950	4510	---
TOTAL	174150	122810	107460	94820	83950	100490	157350	339030	259210	111250	104400	109200
MEAN	5618	4094	3466	3059	2895	3242	5245	10940	8640	3589	3368	3640
MAX	8010	5520	3720	3450	3230	3810	7910	17000	16300	5380	4510	4480
MIN	4660	3300	3100	2560	2610	2800	3530	7430	5700	2610	2570	3030
AC-FT	345400	243600	213100	188100	166500	199300	312100	672500	514100	220700	207100	216600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4045	4064	3638	3412	3480	3933	5969	14340	17450	7940	3976	3719
MAX	7672	6925	5993	6129	5996	7486	15600	37960	43830	29650	10190	7174
(WY)	1987	1987	1986	1985	1985	1986	1985	1984	1957	1995	1983	1997
MIN	1916	2363	2048	1871	1815	1984	1631	2283	2688	1662	1350	1361
(WY)	1957	1978	1964	1964	1964	1964	1977	1977	1977	1977	1977	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1951 - 2000	
ANNUAL TOTAL	2203530		1764120			
ANNUAL MEAN	6037		4820		6362	
HIGHEST ANNUAL MEAN					13470	1984
LOWEST ANNUAL MEAN					2559	1977
HIGHEST DAILY MEAN	17200	May 31	17000	May 31	68300	May 27 1984
LOWEST DAILY MEAN	1900	Apr 14	2560	Jan 31	960	Sep 7 1956
ANNUAL SEVEN-DAY MINIMUM	2190	Apr 14	2700	Jul 22	1110	Sep 2 1956
INSTANTANEOUS PEAK FLOW			17900	May 31	a69800	May 27 1984
INSTANTANEOUS PEAK STAGE			8.64	May 31	b16.12	May 27 1984
ANNUAL RUNOFF (AC-FT)	4371000		3499000		4609000	
10 PERCENT EXCEEDS	13500		8320		14000	
50 PERCENT EXCEEDS	5050		3710		4050	
90 PERCENT EXCEEDS	3090		2880		2280	

e Estimated.
a At site 0.2 mi downstream, at present datum.
b From high-water mark.

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1969 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1979 to current year.
WATER TEMPERATURE: October 1979 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1979.

REMARKS.-- Daily records of specific conductance are good, except for periods Oct. 1-8, Apr. 5 to May 8, Sept. 14-30, which are fair, and the periods Dec. 1 to Feb. 24, and June 23 to July 18, which are poor. Daily records of water temperature are good. October 1979, water-quality data collection was moved 5.5 mi upstream to this site from previous site 09163530. Water-quality records for this site are considered to be equivalent to data obtained at old site. Data from the old site are stored with this station. Prior to October 1995, unpublished maximum and minimum specific conductance data available in district office.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

Suspended Sediment Discharge table: a sampler code of 3009 is a D-74 suspended sediment sampler; a code of 3039 is a D-77 water-quality sampler. Suspended sediment concentrations associated with a sampler type coded 3039 were determined from a subsample split of a composite sample.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,940 microsiemens Aug. 13, 1981; minimum, 277 microsiemens June 11, 1985.
WATER TEMPERATURE: Maximum, 27.0°C Aug. 7-9, 1981; minimum, -0.3°C on several days in Dec. 1996 and Jan. 1997.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 25.7°C, July 14; minimum, 0.0°C, on several days.
SPECIFIC CONDUCTANCE: Maximum, 1,230 microsiemens/cm, Aug. 19; minimum, 375 microsiemens/cm, May 31.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT										
08...	1200	6410	762	8.2	12.7	9.3	250	67.4	20.3	52.1
NOV										
16...	1330	3970	1100	8.5	5.6	11.8	340	88.5	29.6	91.6
JAN										
04...	1200	3350	1050	8.3	.1	13.0	310	82.9	24.6	89.6
27...	1340	3410	1120	8.1	4.1	10.5	320	80.5	28.4	111
FEB										
24...	1130	2880	1140	8.2	6.5	9.8	310	79.6	28.1	105
MAR										
22...	1330	3740	988	8.4	8.0	10.4	260	66.1	22.9	84.0
APR										
05...	1210	3550	946	8.4	11.3	11.6	280	72.4	24.4	81.8
25...	1115	5590	712	8.2	12.6	9.1	210	57.3	17.3	54.4
MAY										
08...	1300	12700	426	8.1	13.5	8.8	130	37.5	9.86	24.8
31...	1245	17200	391	8.0	16.4	8.3	140	38.5	9.82	21.6
JUN										
07...	1040	10800	492	8.1	17.3	8.1	160	44.7	11.6	30.1
23...	1045	7250	642	8.1	18.8	7.7	210	57.7	15.3	43.2
JUL										
18...	1050	4120	1060	8.3	23.0	7.0	340	92.6	26.5	78.3
AUG										
23...	1300	4100	1060	8.2	21.0	7.2	380	102	29.3	75.6
SEP										
14...	1230	3370	1140	8.4	19.1	8.6	410	110	31.9	84.9

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT										
08...	1	2.8	132	--	108	--	183	48.1	.3	10.3
NOV										
16...	2	3.3	163	5	142	--	266	87.1	.3	9.2
JAN										
04...	2	3.5	170	--	139	--	226	102	.3	11.0
27...	3	3.8	183	--	150	--	257	102	.4	10.2
FEB										
24...	3	3.8	173	5	150	--	244	108	.3	9.4
MAR										
22...	2	3.3	161	6	142	--	202	91.9	.3	9.0
APR										
05...	2	3.7	159	4	136	--	208	80.5	.3	9.3
25...	2	3.0	143	--	117	--	147	53.9	.2	9.5
MAY										
08...	.9	1.6	96	--	79	--	78.7	25.1	<.1	8.2
31...	.8	1.5	--	--	--	82	74.8	16.5	.1	7.6
JUN										
07...	1	1.7	100	--	82	--	99.6	29.0	.2	7.9
23...	1	2.4	121	--	99	--	144	41.3	.4	7.6
JUL										
18...	2	3.6	178	--	146	--	273	79.3	.3	9.8
AUG										
23...	2	3.8	163	--	134	--	299	66.6	.4	11.3
SEP										
14...	2	3.7	163	--	134	--	324	78.8	.5	8.8

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT									
08...	483	451	.66	8360	<.010	.309	<.020	.26	.15
NOV									
16...	688	662	.94	7370	<.010	.512	<.020	.31	.14
JAN									
04...	656	626	.89	5930	.012	.678	.045	.32	.18
27...	708	687	.96	6520	.014	.727	.070	.89	.18
FEB									
24...	686	669	.93	5330	<.010	.480	.079	.41	.26
MAR									
22...	600	567	.82	6060	<.010	.400	.034	.43	.17
APR									
05...	595	564	.81	5700	<.010	.370	<.020	.65	.20
25...	441	415	.60	6660	.011	.371	.032	.74	.23
MAY									
08...	266	234	.36	9120	<.010	.283	.034	1.2	.24
31...	233	212	.32	10800	<.010	.250	.035	1.5	.17
JUN									
07...	297	276	.40	8660	<.010	.325	<.020	.45	.28
23...	402	373	.55	7870	<.010	.363	<.020	.41	.19
JUL									
18...	678	651	.92	7540	.021	.817	.043	.55	.30
AUG									
23...	716	672	.97	7930	.013	.852	<.020	.86	.28
SEP									
14...	778	726	1.06	7080	.010	.744	<.020	.40	.20

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT									
08...	.069	.012	.019	2.8	.3	--	<10	3	2.7
NOV									
16...	.022	<.006	<.010	2.5	.3	--	<10	13	4.5
JAN									
04...	.031	.008	<.010	2.6	.3	--	E5	18	2.8
27...	.103	.012	<.010	3.0	1.7	--	<10	20	4.4
FEB									
24...	.054	.021	.019	2.5	.9	--	<10	20	4.1
MAR									
22...	.097	.010	<.010	2.7	.8	--	<10	14	3.1
APR									
05...	.121	.016	<.010	3.1	.4	--	<10	9	3.5
25...	.247	.033	.026	4.1	.7	--	E9	4	2.2
MAY									
08...	.541	.023	.013	4.4	1.1	<.8	10	5	1.5
31...	.588	.017	.017	3.7	.4	--	10	4	1.3
JUN									
07...	.126	.023	.015	3.1	.5	--	E6	2	1.8
23...	.092	.016	.011	3.4	.4	--	E5	<2	2.3
JUL									
18...	.181	.028	.021	3.4	.8	--	<10	3	5.1
AUG									
23...	.281	.025	.014	3.5	1.9	--	<10	<2	5.1
SEP									
14...	.092	.020	.014	3.8	.5	--	<10	3	6.1

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAMPLER TYPE (CODE) (84164)
OCT							
08...	1130	6410	12.7	105	1820	--	3009
08...	1200	6410	12.7	51	883	--	3039
NOV							
16...	1300	3990	5.6	24	257	--	3009
16...	1330	3970	5.6	13	139	--	3039
JAN							
04...	1200	3350	.1	19	172	--	3039
04...	1300	3550	.1	22	213	--	3009
27...	1320	3410	4.1	845	7780	99	3009
27...	1340	3410	4.1	833	7670	--	3039
FEB							
24...	1100	2860	6.5	224	1730	99	3009
24...	1130	2880	6.5	170	1320	--	3039
MAR							
22...	1230	3760	7.7	93	948	--	3009
22...	1330	3740	8.0	86	870	--	3039
APR							
05...	1130	3610	11.3	246	2390	--	3009
05...	1210	3550	11.3	227	2170	--	3039
25...	1045	5640	12.6	273	4150	--	3009
25...	1115	5590	12.6	242	3650	--	3039
MAY							
08...	1240	12600	13.5	414	14100	20	3009
08...	1300	12700	13.5	715	24500	--	3039
31...	1210	17200	16.4	892	41400	61	3009
31...	1245	17200	16.4	535	24900	--	3039
JUN							
07...	1020	10800	17.3	183	5340	60	3009
07...	1040	10800	17.3	166	4840	--	3039
23...	1010	7250	18.8	199	3900	--	3009
23...	1045	7250	18.8	62	1220	--	3039
JUL							
18...	0940	3970	23.0	157	1680	93	3009
18...	1050	4120	23.0	132	1470	--	3039
AUG							
23...	1230	4100	21.0	293	3240	96	3009
23...	1300	4100	21.0	287	3180	--	3039
SEP							
14...	1230	3370	19.1	94	860	--	3009
14...	1330	3350	--	99	898	--	3039

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	883	868	876	956	934	945	1020	976	994	1040	1030	1030
2	882	845	872	949	929	938	1030	978	995	1040	1020	1030
3	845	775	809	941	922	928	986	979	983	1040	1020	1030
4	775	705	738	954	936	943	986	965	974	1050	1030	1040
5	705	683	688	973	945	965	984	967	974	1060	1050	1050
6	719	684	699	998	971	984	996	983	990	1060	991	1030
7	753	715	732	1020	998	1010	998	980	991	1140	1030	1060
8	805	753	773	1040	1020	1030	1010	994	1000	1160	1110	1130
9	846	805	831	1050	1040	1050	1040	1010	1030	1130	1090	1110
10	856	845	852	1100	1050	1070	1060	1040	1050	1130	1100	1120
11	892	856	870	1120	1090	1100	1050	1000	1030	1130	1060	1090
12	925	892	911	1150	1090	1130	1020	1000	1010	1060	1020	1030
13	943	925	939	1190	1150	1170	1050	1020	1040	1040	1010	1030
14	948	936	941	1200	1170	1190	1040	1000	1020	1050	1030	1040
15	957	938	947	1190	1090	1150	1010	973	991	1060	1040	1050
16	963	943	956	1090	1080	1090	1020	1010	1020	1040	1020	1030
17	974	954	967	1100	1090	1090	1040	1010	1020	1060	1040	1050
18	969	956	964	1100	1090	1090	1040	1010	1020	1070	1060	1070
19	973	956	964	1090	1080	1090	1040	996	1020	1080	1070	1070
20	967	956	962	1090	1080	1090	996	961	972	1080	1070	1070
21	966	958	962	1080	1060	1070	983	963	972	1100	1080	1090
22	967	959	963	1060	1050	1060	984	976	979	1100	1080	1090
23	971	962	967	1060	1030	1050	981	964	972	1080	1070	1080
24	977	960	968	1060	1050	1050	983	966	974	1090	1080	1090
25	963	954	959	1050	1040	1040	983	961	972	1120	1090	1110
26	958	952	955	1040	1020	1030	993	976	981	1120	1120	1120
27	963	956	959	1030	1010	1020	1000	987	994	1130	1120	1130
28	964	958	961	1080	1030	1050	1020	997	1010	1150	1120	1130
29	973	964	970	1080	1020	1050	1020	1000	1010	1180	1150	1170
30	971	951	956	1020	996	1010	1030	1010	1020	1180	1160	1170
31	962	956	958	---	---	---	1040	1020	1030	1160	1140	1150
MONTH	977	683	899	1200	922	1050	1060	961	1000	1180	991	1080

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1160	1140	1150	1170	1110	1130	1030	923	957	565	552	559
2	1180	1150	1170	1120	1110	1120	962	932	942	573	561	566
3	1190	1170	1170	1120	1110	1110	938	931	935	576	565	571
4	1210	1140	1170	1130	1100	1110	959	930	946	571	538	558
5	1140	1110	1120	1120	1110	1120	971	942	953	538	513	529
6	1120	1090	1110	1120	1090	1110	976	887	923	514	476	496
7	1100	1080	1090	1110	1090	1100	888	840	864	477	412	447
8	1090	1070	1080	1100	1090	1100	842	802	819	422	407	416
9	1080	1070	1080	1110	1080	1100	802	766	781	441	415	426
10	1080	1070	1070	1140	1110	1130	766	729	743	483	441	463
11	1080	1070	1080	1150	1080	1130	729	681	698	522	483	502
12	1080	1050	1060	1110	1080	1090	681	656	664	503	476	495
13	1100	1060	1090	1120	1100	1110	661	648	655	476	468	473
14	1100	1090	1090	1110	1080	1110	657	630	639	519	468	491
15	1110	1090	1100	1120	1100	1110	631	619	624	563	519	541
16	1100	1080	1090	1100	1090	1100	642	624	631	605	563	585
17	1090	1080	1080	1090	1080	1080	672	642	654	621	605	614
18	1090	1080	1090	1080	1020	1050	675	669	672	631	605	618
19	1100	1070	1080	1070	1020	1050	675	653	661	605	581	587
20	1120	1090	1110	1040	1000	1020	672	651	658	599	583	592
21	1130	1120	1130	1020	965	988	691	672	681	603	589	596
22	1130	1120	1130	991	971	981	704	691	696	589	574	583
23	1140	1130	1130	1080	991	1020	712	703	705	576	560	572
24	1150	1130	1140	1040	1010	1020	725	712	718	563	502	536
25	1150	1130	1140	1030	1020	1030	725	704	713	502	405	449
26	1140	1120	1130	1070	1030	1040	704	656	670	415	396	403
27	1120	1110	1110	1070	1020	1040	661	636	645	419	396	406
28	1120	1110	1120	1080	1020	1040	644	620	627	470	419	445
29	1120	1110	1120	1030	983	1010	623	592	605	478	466	473
30	---	---	---	986	963	973	592	560	572	466	398	435
31	---	---	---	978	956	966	---	---	---	398	375	388
MONTH	1210	1050	1110	1170	956	1070	1030	560	735	631	375	510

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	383	375	381	871	818	840	1100	1060	1080	1070	1040	1060
2	395	381	391	934	871	907	1120	1090	1100	1060	1020	1040
3	411	393	404	940	927	936	1130	1110	1120	1110	1020	1070
4	424	407	417	963	926	943	1140	1110	1120	1140	1100	1130
5	450	422	437	979	953	965	1140	1100	1120	1150	1130	1140
6	482	448	466	991	968	978	1110	1090	1100	1130	1110	1120
7	509	475	492	1030	989	1000	1100	1070	1080	1110	1090	1100
8	515	502	508	1060	1030	1040	1080	1060	1070	1100	1040	1090
9	534	513	522	1080	1050	1060	1070	1060	1060	1110	1030	1090
10	550	531	538	1180	1080	1110	1060	1050	1060	1110	1060	1090
11	562	544	551	1090	1060	1070	1060	1040	1060	1140	1110	1120
12	602	562	584	1150	1090	1120	1060	1040	1050	1150	1120	1130
13	630	602	620	1170	1140	1150	1060	1040	1050	1160	1140	1150
14	647	630	640	1140	1120	1130	1140	1050	1090	1170	1130	1150
15	682	646	666	1150	1120	1130	1120	1080	1090	1180	1170	1180
16	692	681	686	1150	1110	1120	1080	1060	1070	1200	1180	1190
17	683	658	673	1110	1070	1090	1070	1050	1060	1190	1180	1180
18	675	658	667	1070	1020	1050	1100	1070	1080	1190	1180	1180
19	685	665	678	1020	980	1010	1230	1050	1080	1180	1170	1170
20	717	681	702	1000	976	989	1080	1050	1070	1180	1160	1160
21	717	669	695	1030	1000	1020	1080	1040	1060	1180	1160	1170
22	671	626	649	1070	1030	1050	1070	1030	1040	1160	1140	1160
23	676	624	647	1100	1070	1090	1090	1050	1060	1140	1120	1140
24	728	676	710	1130	1100	1120	1110	1080	1100	1120	1080	1110
25	753	728	744	1140	1120	1130	1120	1090	1100	1080	1070	1070
26	774	747	762	1140	1130	1140	1120	1100	1110	1080	1080	1080
27	795	774	787	1140	1130	1130	1130	1100	1110	1080	1080	1080
28	820	792	809	1140	1120	1130	1110	1080	1100	1100	1080	1090
29	829	813	821	1120	1110	1120	1100	909	1070	1120	1100	1110
30	824	817	822	1120	1090	1100	1100	986	1050	1130	1110	1120
31	---	---	---	1100	1070	1090	1070	1030	1050	---	---	---
MONTH	829	375	616	1180	818	1060	1230	909	1080	1200	1020	1120
YEAR	1230	375	944									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.3	11.8	12.6	8.6	7.6	8.2	5.0	4.2	4.6	1.3	.7	1.0
2	13.5	12.3	13.0	8.6	7.4	8.1	5.3	4.6	4.9	1.2	.7	1.0
3	13.8	12.7	13.4	8.3	7.0	7.8	5.1	4.3	4.9	.7	.0	.3
4	13.8	12.1	13.1	8.1	6.9	7.6	4.3	3.5	3.9	.0	.0	.0
5	13.6	11.7	12.8	8.0	6.8	7.5	3.6	2.5	2.9	.3	.0	.0
6	13.8	12.4	13.0	7.9	6.8	7.5	2.6	1.8	2.2	.0	.0	.0
7	13.8	12.9	13.3	8.0	6.8	7.5	2.4	1.5	2.0	.0	.0	.0
8	13.6	12.1	12.9	8.5	7.1	7.8	3.1	2.1	2.6	.0	.0	.0
9	13.7	12.4	13.2	8.6	7.4	8.1	2.3	1.4	1.8	.0	.0	.0
10	14.1	12.8	13.5	8.6	7.5	8.1	2.0	1.3	1.7	.0	.0	.0
11	14.3	12.8	13.6	8.2	7.1	7.7	2.4	1.6	2.0	.3	.0	.1
12	14.2	12.8	13.6	7.5	6.5	7.1	2.0	1.1	1.6	.9	.0	.4
13	14.2	12.6	13.5	7.0	5.9	6.4	1.9	1.4	1.6	1.9	.5	1.1
14	13.8	12.3	13.2	6.5	5.5	6.1	1.5	.6	.9	2.2	1.2	1.6
15	13.3	12.1	12.7	6.2	5.2	5.7	.6	.0	.1	2.8	1.5	2.0
16	12.5	10.5	11.5	6.1	5.1	5.6	.1	.0	.0	2.7	2.2	2.4
17	10.5	9.1	9.8	6.2	5.1	5.7	1.3	.0	.6	4.1	2.7	3.4
18	9.7	8.4	9.2	6.8	5.8	6.2	1.5	.6	1.1	4.8	4.1	4.6
19	10.0	8.8	9.4	6.0	4.9	5.4	1.4	.6	1.0	5.2	4.0	4.7
20	9.8	8.5	9.2	5.1	4.3	4.7	1.9	.9	1.3	5.5	4.0	5.0
21	9.9	8.5	9.2	4.3	3.3	3.7	1.9	1.2	1.5	5.2	4.7	5.0
22	10.1	8.7	9.4	4.3	3.6	3.9	1.4	.7	1.0	5.0	4.2	4.6
23	10.3	8.9	9.6	3.6	2.7	3.2	1.0	.1	.6	4.3	3.4	3.8
24	10.1	8.8	9.5	3.1	2.3	2.7	.9	.0	.4	4.5	3.6	4.0
25	9.9	8.7	9.4	3.1	2.0	2.5	1.0	.0	.5	4.4	4.1	4.2
26	9.8	8.5	9.2	3.0	1.9	2.4	1.2	.1	.6	4.9	4.1	4.4
27	9.8	8.5	9.2	3.8	2.8	3.3	1.2	.1	.6	4.5	3.7	4.1
28	9.4	8.5	9.0	4.4	3.1	3.7	1.4	.3	.8	3.9	3.0	3.5
29	9.5	8.8	9.2	5.1	4.0	4.6	1.4	.4	.9	3.2	2.2	2.7
30	9.0	7.7	8.5	5.1	4.4	4.7	1.2	.2	.7	2.9	1.6	2.2
31	8.9	7.8	8.4	---	---	---	1.1	.1	.6	2.4	1.6	2.0
MONTH	14.3	7.7	11.2	8.6	1.9	5.8	5.3	.0	1.6	5.5	.0	2.2

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.4	1.3	1.9	7.7	6.8	7.2	10.3	7.8	8.9	14.5	12.4	13.6
2	3.4	2.1	2.6	8.3	6.2	7.2	10.4	8.7	9.5	15.3	13.6	14.5
3	3.8	2.0	2.9	9.1	6.9	7.9	11.8	9.4	10.4	16.1	14.4	15.3
4	3.8	2.8	3.2	9.1	7.1	8.1	12.6	9.7	11.1	16.5	14.9	15.8
5	4.0	2.6	3.3	8.2	7.1	7.8	13.6	10.8	12.2	16.5	14.9	15.9
6	4.4	2.7	3.5	7.1	6.4	6.7	14.5	12.5	13.4	16.3	14.5	15.4
7	4.9	3.1	3.9	7.5	6.4	6.9	14.9	12.6	13.7	15.6	14.2	14.6
8	5.1	3.5	4.2	7.1	5.9	6.5	14.2	12.5	13.5	14.2	12.8	13.2
9	4.9	4.3	4.5	7.3	6.3	6.8	14.0	12.2	13.1	13.4	11.5	12.4
10	4.9	4.1	4.5	8.3	6.3	7.2	14.0	12.3	13.1	14.8	12.1	13.3
11	5.9	4.4	5.1	8.4	6.4	7.3	14.1	12.2	13.2	14.8	13.5	14.2
12	5.2	4.5	4.7	9.6	7.4	8.3	14.2	12.8	13.5	14.1	12.3	13.1
13	4.7	4.3	4.5	9.7	7.6	8.6	14.4	13.1	13.7	13.6	11.5	12.5
14	4.9	4.2	4.5	9.9	7.5	8.6	13.9	12.8	13.2	12.8	11.2	12.2
15	6.0	4.1	5.0	9.0	7.2	8.4	12.8	11.5	12.1	13.9	11.7	12.7
16	5.4	4.8	5.2	9.2	6.4	7.7	12.3	10.7	11.6	14.2	12.7	13.5
17	5.6	4.9	5.2	8.4	7.3	7.8	13.7	11.5	12.6	14.6	12.7	13.8
18	6.2	5.1	5.5	8.6	6.9	7.6	13.5	12.1	12.7	14.6	13.4	13.9
19	6.3	4.6	5.4	8.0	6.4	7.2	12.1	10.9	11.4	14.9	12.5	13.6
20	5.6	4.5	5.1	7.3	5.3	6.6	12.0	9.7	10.9	16.3	14.1	15.2
21	6.1	4.8	5.4	7.3	4.9	6.0	11.7	11.1	11.5	16.4	15.2	16.0
22	6.5	5.4	5.9	7.5	6.4	7.0	12.6	11.1	11.7	17.1	15.3	16.2
23	6.9	5.3	6.1	8.5	6.2	7.3	13.5	12.0	12.8	18.3	16.2	17.2
24	6.5	6.2	6.4	10.5	8.1	9.1	14.5	12.7	13.5	18.3	16.6	17.5
25	6.2	5.2	5.8	11.5	8.8	10.1	14.4	12.3	13.3	17.7	15.6	16.3
26	5.7	4.3	5.0	12.8	10.4	11.5	14.3	13.0	13.7	15.6	13.9	14.5
27	6.4	4.4	5.3	13.1	11.0	12.0	15.4	12.9	14.1	14.8	12.9	13.8
28	6.4	5.3	5.8	12.3	11.0	11.7	15.9	14.3	15.1	16.5	13.8	15.0
29	8.2	5.8	6.9	11.9	10.2	11.0	15.5	14.5	14.9	17.6	15.5	16.5
30	---	---	---	11.1	9.5	10.3	14.7	13.1	14.0	17.7	16.1	17.0
31	---	---	---	9.5	8.6	9.0	---	---	---	17.0	15.8	16.4
MONTH	8.2	1.3	4.7	13.1	4.9	8.2	15.9	7.8	12.6	18.3	11.2	14.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.6	15.3	16.0	22.8	21.3	21.9	24.8	22.6	23.7	21.3	19.0	20.0
2	16.8	15.3	16.1	22.8	21.5	22.1	25.2	22.7	23.9	19.4	17.7	18.6
3	17.3	15.6	16.4	22.4	21.3	22.0	24.4	22.9	23.5	20.0	17.7	18.8
4	17.9	15.9	16.9	22.1	20.7	21.5	25.1	22.3	23.6	20.5	18.1	19.3
5	18.3	16.3	17.4	22.5	20.7	21.5	24.9	22.9	23.9	20.1	18.9	19.5
6	18.6	16.5	17.5	21.9	20.3	21.1	24.9	22.7	23.7	19.1	17.7	18.2
7	19.1	16.6	18.0	22.4	20.5	21.4	24.7	22.5	23.7	19.6	17.3	18.3
8	18.9	17.4	18.2	23.2	21.7	22.3	25.0	22.5	23.6	19.8	18.2	19.1
9	18.5	16.9	17.8	23.7	21.3	22.4	24.7	22.8	23.7	19.2	17.3	18.3
10	18.6	16.3	17.6	23.4	21.1	22.2	24.9	22.8	23.8	19.3	17.8	18.5
11	18.7	16.6	17.8	24.5	22.1	23.2	25.4	22.7	24.0	19.2	17.3	18.3
12	18.7	17.0	18.0	24.1	22.5	23.3	25.4	22.9	24.1	20.0	17.5	18.7
13	19.4	17.2	18.3	24.9	22.3	23.5	24.5	22.3	23.5	20.2	17.8	19.0
14	19.8	17.6	18.7	25.7	23.3	24.4	24.4	22.7	23.5	20.4	18.1	19.2
15	20.1	18.4	19.3	25.0	23.3	24.1	24.2	21.9	23.0	20.7	18.3	19.4
16	20.3	18.6	19.5	25.1	22.4	23.7	24.2	22.3	23.2	20.8	18.4	19.6
17	19.9	18.0	19.1	25.3	23.1	24.0	23.5	21.6	22.6	20.2	18.5	19.2
18	19.8	18.3	19.2	24.9	22.3	23.3	23.8	21.2	22.4	20.4	18.2	19.2
19	19.1	17.8	18.4	24.0	21.8	22.9	23.5	21.6	22.6	19.9	18.4	19.2
20	19.5	17.9	18.6	23.9	21.6	22.7	22.7	21.2	21.9	20.1	17.7	18.8
21	19.7	17.7	18.8	24.2	21.5	22.8	22.4	20.7	21.6	19.3	16.8	17.8
22	20.0	18.0	19.0	24.6	21.8	23.1	21.7	19.5	20.7	18.2	16.2	17.1
23	20.4	18.4	19.5	24.5	22.0	23.3	22.1	20.0	21.0	17.4	15.1	16.3
24	21.2	19.1	20.1	24.3	22.3	23.3	23.1	20.5	21.6	15.1	13.3	14.2
25	21.7	19.9	20.8	24.8	22.1	23.3	23.7	21.1	22.3	14.3	12.4	13.4
26	21.0	19.1	20.1	25.1	22.6	23.7	23.3	21.5	22.3	14.6	12.3	13.4
27	20.0	18.0	18.9	25.1	23.1	24.0	23.2	21.0	22.1	15.7	13.3	14.4
28	20.7	18.9	19.7	25.4	22.9	24.0	23.5	21.3	22.4	16.6	14.5	15.5
29	20.9	19.8	20.4	25.3	23.2	24.3	23.0	21.2	22.1	17.0	15.8	16.4
30	22.2	20.5	21.2	25.3	23.2	24.1	22.7	21.2	21.8	17.7	15.6	16.6
31	---	---	---	24.7	22.5	23.6	22.3	20.4	21.3	---	---	---
MONTH	22.2	15.3	18.6	25.7	20.3	23.0	25.4	19.5	22.8	21.3	12.3	17.8
YEAR	25.7	.0	12.0									

09165000 DOLORES RIVER BELOW RICO, CO

LOCATION.--Lat 37°38'20", long 108°03'35", Dolores County, Hydrologic Unit 14030002, on left bank at upstream side of Montelores bridge northwest of State Highway 145, at Dolores-Montezuma County line, 0.5 mi upstream from Ryman Creek, and 4.0 mi southwest of Rico.

DRAINAGE AREA.--105 mi^2.

PERIOD OF RECORD.--October 1951 to September 1996, October 1998 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,422.23 ft above sea level.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversion upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Greatest flood since at least 1885 occurred Oct. 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	23	e19	e15	e15	e18	e50	359	444	63	24	51
2	60	20	e19	e15	e15	e19	e44	421	383	58	23	58
3	56	19	e18	e15	e15	e20	e41	514	347	54	28	46
4	52	20	e15	e14	e15	e22	e45	569	308	50	26	40
5	51	19	e16	e15	e15	e23	e50	598	280	46	23	39
6	51	19	e16	e15	e15	e26	e86	590	253	45	20	55
7	53	20	e15	e15	e15	e25	e120	573	243	43	20	48
8	52	21	e16	e15	e15	e22	e140	609	223	51	20	47
9	48	19	e15	e15	e16	e20	e170	528	241	75	19	61
10	45	16	e16	e15	e16	e16	e190	495	201	52	19	45
11	44	18	e17	e15	e15	e15	e170	537	179	46	21	38
12	43	16	e15	e15	e15	e19	157	484	162	41	20	34
13	40	15	e15	e15	e16	e21	186	401	148	40	35	32
14	37	16	e16	e15	e16	e21	208	358	141	44	52	30
15	36	16	e15	e14	e16	e23	179	340	132	48	37	29
16	34	15	e15	e15	e16	e24	150	395	126	79	49	27
17	28	16	e16	e15	e17	e23	171	411	113	80	54	26
18	32	16	e16	e15	e17	e22	209	320	105	56	72	30
19	31	9.1	e15	e15	e17	e21	175	271	100	46	114	28
20	29	e13	e15	e15	e18	e25	166	258	91	40	61	25
21	30	e13	e15	e15	e18	e27	204	320	86	37	53	24
22	31	e12	e15	e15	e18	e25	201	438	82	33	56	46
23	29	e11	e15	e14	e18	e26	187	605	80	32	46	34
24	26	e12	e15	e14	e17	e28	234	730	80	31	40	37
25	25	e13	e15	e15	e17	e32	281	679	76	32	38	33
26	26	e14	e15	e15	e18	e36	330	568	69	36	42	29
27	26	e15	e16	e15	e18	e42	413	513	68	33	43	29
28	25	e17	e16	e15	e18	e48	442	573	66	30	51	31
29	27	e18	e15	e14	e18	e54	399	628	63	27	44	35
30	19	e18	e15	e14	---	e52	343	618	63	26	70	34
31	24	---	e15	e15	---	e52	---	553	---	25	62	---
TOTAL	1173	489.1	487	459	475	847	5741	15256	4953	1399	1282	1121
MEAN	37.8	16.3	15.7	14.8	16.4	27.3	191	492	165	45.1	41.4	37.4
MAX	63	23	19	15	18	54	442	730	444	80	114	61
MIN	19	9.1	15	14	15	15	41	258	63	25	19	24
AC-FT	2330	970	966	910	942	1680	11390	30260	9820	2770	2540	2220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	44.1	29.3	21.7	18.6	18.4	31.3	128	455	556	172	82.9	62.8
MAX	133	65.9	42.6	37.7	33.7	72.2	242	1015	1288	646	267	224
(WY)	1973	1987	1958	1958	1984	1972	1962	1958	1957	1957	1999	1982
MIN	14.5	12.1	7.81	7.74	7.49	11.0	42.9	98.9	70.7	37.1	29.7	17.1
(WY)	1957	1957	1990	1990	1994	1964	1975	1977	1977	1959	1996	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1952 - 2000	
ANNUAL TOTAL	59337.1		33682.1			
ANNUAL MEAN	163		92.0		135	
HIGHEST ANNUAL MEAN					230	1957
LOWEST ANNUAL MEAN					40.1	1977
HIGHEST DAILY MEAN	791	Jun 17	730	May 24	1810	Jun 10 1952
LOWEST DAILY MEAN	9.1	Nov 19	9.1	Nov 19	4.8	Nov 29 1989
ANNUAL SEVEN-DAY MINIMUM	12	Nov 19	12	Nov 19	6.3	Dec 11 1989
INSTANTANEOUS PEAK FLOW			831	May 24	a2170	May 24 1984
INSTANTANEOUS PEAK STAGE			4.73	May 24	b5.95	May 24 1984
ANNUAL RUNOFF (AC-FT)	117700		66810		97970	
10 PERCENT EXCEEDS	515		320		403	
50 PERCENT EXCEEDS	75		30		40	
90 PERCENT EXCEEDS	15		15		15	

e Estimated
a From rating curve extended above 1620 ft^3/s.
b Maximum gage height, 6.15 ft, Jun 10, 1952.
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09166500 DOLORES RIVER AT DOLORES, CO

LOCATION.--Lat 37°28'21", long 108°29'49", in $SW^1/_4SW^1/_4$ sec.10, T.37 N., R.15 W., Montezuma County, Hydrologic Unit 14030002, on left bank 0.30 mi upstream from bridge on State Highway 184 in Dolores and 0.8 mi upstream from Lost Canyon Creek.

DRAINAGE AREA.--504 mi^2.

PERIOD OF RECORD.--June 1895 to October 1903, August 1910 to November 1912, October 1921 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 859: 1937. WRD Colo. 1972: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,940 ft above sea level, from topographic map. See WSP 1713 or 1733 for history of changes prior to Oct. 7, 1952. Oct. 7, 1952 to Nov. 16, 1983, at site 0.4 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 2,000 acres upstream from station. Flow partly regulated by Ground Hog Reservoir, capacity, 21,710 acre-ft. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	73	58	e50	e51	e65	176	1560	1150	163	112	184
2	144	70	61	e50	e50	e65	147	1700	1030	140	110	182
3	137	62	57	e50	e51	e70	156	2040	930	133	114	178
4	131	61	47	e48	e52	e80	165	2270	835	120	114	159
5	126	63	e50	e49	e52	88	247	2410	734	114	107	149
6	125	62	e50	e50	e52	96	381	2320	673	109	105	165
7	130	62	e48	e50	e52	92	490	2060	639	107	102	179
8	131	67	e52	e50	e53	80	596	2400	584	136	101	163
9	122	67	e48	e50	e55	79	689	2100	604	197	101	182
10	114	60	e50	e50	e55	66	847	1800	537	193	100	169
11	109	58	e54	e50	e54	59	813	1970	450	169	101	147
12	107	54	e48	e50	e53	80	701	1800	408	159	106	133
13	105	53	e47	e50	e55	82	854	1410	369	152	111	123
14	102	53	e50	e49	e56	80	978	1250	357	155	148	117
15	99	57	e49	e48	e56	90	863	1100	327	174	142	112
16	96	53	e49	e49	e57	89	690	1180	302	195	170	108
17	91	e53	e50	e50	e58	89	763	1300	271	209	172	103
18	87	e51	e50	e50	e59	87	1010	1060	248	186	196	107
19	91	45	e49	e50	e60	80	830	908	247	155	318	89
20	88	39	e48	e50	e62	101	712	817	228	142	254	69
21	85	e40	e48	e50	65	97	946	894	208	134	199	58
22	82	e38	e47	e50	65	92	970	1110	199	122	194	65
23	82	34	e48	e48	e64	94	941	1490	192	115	177	78
24	83	e38	e49	e49	62	103	1130	1960	193	121	160	78
25	82	e40	e50	e50	e62	118	1280	1890	198	116	159	74
26	79	e42	e50	e50	e63	141	1440	1450	180	122	165	67
27	79	e46	e50	e50	e65	164	1770	1240	169	123	161	61
28	78	e50	e51	e50	e65	205	2070	1290	169	119	161	61
29	78	e56	e50	e48	e65	196	1930	1470	155	112	163	66
30	73	e58	e49	e49	---	198	1590	1480	147	113	183	74
31	74	---	e50	e50	---	190	---	1310	---	115	203	---
TOTAL	3162	1605	1557	1537	1669	3216	26175	49039	12733	4420	4709	3500
MEAN	102	53.5	50.2	49.6	57.6	104	872	1582	424	143	152	117
MAX	152	73	61	50	65	205	2070	2410	1150	209	318	184
MIN	73	34	47	48	50	59	147	817	147	107	100	58
AC-FT	6270	3180	3090	3050	3310	6380	51920	97270	25260	8770	9340	6940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	135	84.6	59.2	52.6	56.8	131	751	1753	1376	412	240	183
MAX	1247	453	199	151	140	458	1955	3625	3470	1490	650	1354
(WY)	1942	1942	1987	1987	1987	1997	1942	1922	1957	1957	1999	1927
MIN	26.0	20.0	19.8	19.3	20.0	25.0	158	235	108	55.4	29.0	33.5
(WY)	1902	1902	1990	1990	1902	1899	1977	1977	1934	1934	1900	1899

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1896 - 2000	
ANNUAL TOTAL	180526		113322			
ANNUAL MEAN	495		310		437	
HIGHEST ANNUAL MEAN					790	1942
LOWEST ANNUAL MEAN					87.0	1977
HIGHEST DAILY MEAN	3010	May 24	2410	May 5	6950	May 5 1922
LOWEST DAILY MEAN	34	Nov 23	34	Nov 23	8.0	Aug 16 1896
ANNUAL SEVEN-DAY MINIMUM	39	Nov 20	39	Nov 20	12	Aug 10 1896
INSTANTANEOUS PEAK FLOW			2810	May 5	a10000	Oct 5 1911
INSTANTANEOUS PEAK STAGE			b5.14	May 5	10.20	Oct 5 1911
ANNUAL RUNOFF (AC-FT)	358100		224800		316800	
10 PERCENT EXCEEDS	1440		1040		1410	
50 PERCENT EXCEEDS	254		106		122	
90 PERCENT EXCEEDS	46		50		41	

e Estimated.
a Site and datum then in use, from rating curve extended above 2800 ft^3/s.
b Maximum gage height, 5.40 ft, Feb 27, backwater from ice.

09166950 LOST CANYON CREEK NEAR DOLORES, CO

LOCATION.--Lat 37°26'46", long 108°28'07", in SE$^1/_4$SE$^1/_4$ sec.23, T.37N., R.15W., Montezuma County, Hydrologic Unit 14030002, on right bank 2.5 mi southeast of Dolores and 3.0 mi upstream from mouth.

DRAINAGE AREA.--71.3 mi^2.

PERIOD OF RECORD.--April 1984 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,030 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Several small storage reservoirs and diversions for irrigation of about 4,700 acres in the San Juan River basin and one diversion for irrigation of about 10 acres in Lost Canyon in the Dolores River basin. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	1.0	.92	e.60	e1.2	2.0	12	49	.15	.00	.00	.00
2	1.8	.93	e1.0	e.70	e1.2	2.1	12	38	.10	.00	.00	.00
3	1.7	1.2	e1.1	e.68	e1.2	3.3	12	44	.10	.00	.00	.00
4	1.6	1.1	e.90	e.68	e1.2	3.4	11	40	.07	.00	.00	.00
5	1.6	.94	e.74	e.70	e1.2	3.0	11	31	.03	.00	.00	.00
6	1.6	.94	e.70	e.72	e1.1	3.2	8.1	16	.00	.00	.00	.00
7	1.7	1.0	e.70	e.74	e1.1	2.9	14	4.1	.00	.00	.00	.00
8	1.7	1.1	e.70	e.76	e1.2	3.3	32	3.5	.00	.00	.00	.00
9	1.7	1.2	e.70	e.82	e1.4	2.4	73	9.2	.00	.12	.00	.00
10	1.6	1.2	e.68	e.86	1.6	3.1	116	2.9	.00	.10	.00	.00
11	1.5	1.1	e.68	e.88	1.5	3.8	105	2.4	.00	.01	.00	.00
12	1.4	.97	e.68	e.90	e1.4	2.5	74	2.0	.00	.00	.00	.00
13	1.4	.90	e.66	e.92	e1.4	3.3	111	1.8	.00	.00	.00	.00
14	1.3	.84	e.64	e.96	e1.4	3.8	130	1.6	.00	.00	.00	.00
15	1.3	.89	.60	e1.1	e1.5	3.5	84	1.3	.00	.02	.00	.00
16	1.3	.84	.50	e1.4	e1.8	e3.8	38	1.1	.00	.24	.00	.00
17	1.3	.88	.49	e1.7	1.8	3.9	42	.95	.01	.11	.00	.00
18	1.3	.97	e.50	1.8	1.8	e3.8	87	.98	.06	.01	.00	.00
19	1.2	1.1	e.50	e1.4	3.6	e3.6	47	.95	.07	.00	.00	.00
20	1.1	.93	.49	e1.3	3.3	3.5	14	.86	.09	.00	.00	.00
21	1.2	.88	.46	e1.2	1.8	3.4	49	.75	.13	.00	.00	.00
22	1.2	1.0	e.46	e1.1	e1.6	3.4	50	.67	.26	.00	.00	.00
23	1.3	.92	e.46	e1.0	e1.8	3.9	30	.60	.25	.00	.00	.00
24	1.3	.80	.47	e1.4	1.9	4.8	55	.55	.18	.00	.00	.00
25	1.3	.71	.46	1.5	e2.2	5.7	66	.51	.12	.00	.00	.00
26	1.2	.80	.31	1.8	e1.8	6.2	70	.54	.07	.00	.00	.00
27	1.1	.94	e.30	e2.2	e1.8	7.2	92	.54	.04	.00	.00	.00
28	1.1	.92	e.29	e1.6	1.9	6.1	109	.48	.01	.00	.00	.00
29	1.2	.88	.28	e1.4	2.0	9.3	89	.37	.00	.00	.00	.00
30	1.1	.85	.38	e1.3	---	10	54	.32	.00	.00	.00	.00
31	1.3	---	e.58	e1.2	---	10	---	.25	---	.00	.00	---
TOTAL	43.3	28.73	18.33	35.32	48.7	134.2	1697.1	257.22	1.74	0.61	0.00	0.00
MEAN	1.40	.96	.59	1.14	1.68	4.33	56.6	8.30	.058	.020	.000	.000
MAX	1.9	1.2	1.1	2.2	3.6	10	130	49	.26	.24	.00	.00
MIN	1.1	.71	.28	.60	1.1	2.0	8.1	.25	.00	.00	.00	.00
AC-FT	86	57	36	70	97	266	3370	510	3.5	1.2	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2.48	4.70	2.26	1.63	2.42	35.8	119	112	10.5	.27	.69	1.18
MAX	17.7	45.2	14.8	5.00	6.85	110	265	293	91.2	.96	7.00	6.05
(WY)	1987	1987	1987	1987	1997	1997	1987	1993	1995	1999	1999	1999
MIN	.000	.000	.000	.000	.000	.87	.86	3.32	.005	.003	.000	.000
(WY)	1990	1990	1990	1990	1990	1990	1990	1990	1990	1989	1990	1984

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1984 - 2000	
ANNUAL TOTAL	5288.78		2265.25			
ANNUAL MEAN	14.5		6.19		24.1	
HIGHEST ANNUAL MEAN					49.9	1993
LOWEST ANNUAL MEAN					.43	1990
HIGHEST DAILY MEAN	201	May 15	130	Apr 14	555	Apr 2 1986
LOWEST DAILY MEAN	.12	Jul 2	a.00	Jun 6	a.00	Jul 11 1984
ANNUAL SEVEN-DAY MINIMUM	.21	Jun 28	.00	Jun 6	.00	Aug 30 1984
INSTANTANEOUS PEAK FLOW			198	Apr 14	744	Apr 2 1986
INSTANTANEOUS PEAK STAGE			4.43	Apr 14	7.23	Apr 2 1986
ANNUAL RUNOFF (AC-FT)	10490		4490		17460	
10 PERCENT EXCEEDS	54		10		85	
50 PERCENT EXCEEDS	1.8		.90		1.1	
90 PERCENT EXCEEDS	.50		.00		.00	

e Estimated.
a No flow many days each year.

09168730 DOLORES RIVER NEAR SLICK ROCK, CO

LOCATION.--Lat 38°02'40", long 108°54'17", in $NE^1/_4SE^1/_4$ sec.25, T.44 N., R.19 W., San Miguel County, Hydrologic Unit 14030002, on left bank 15 ft downstream from county road S-8 bridge, 0.7 mi upstream from Summit Canyon, 1.2 mi northwest of Slick Rock Post Office, and 2 mi downstream from Colo. Hwy. 141 at Slick Rock Bridge.

DRAINAGE AREA.--1,432 mi^2.

PERIOD OF RECORD.--May 1997 to June 1999 (seasonal records only), October 1999 to September 2000.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,400 ft above sea level, from topographic map.

REMARKS.--Records fair except for Nov. 10-21 and estimated daily discharges, which are poor. Diversions for several hundred acres upstream for irrigation and municipal water supply for city of Dove Creek. Also diversions upstream from station for irrigation in the San Juan River basin amount to about 74,760 acres. Flow regulated since Mar. 19, 1984, by McPhee Reservoir, capacity 381,000 acre-ft. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (occurred during period of seasonal record), 3,740 ft^3/s, May 7, 1998, gage height, 10.18 ft; minimum daily, 30 ft^3/s (estimated), Sept. 15, 16, 2000.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major flows occurred in Oct. 1911, Sept. 1970, and Apr. 1973. Minimum flow not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,300 ft^3/s at 0015 May 1, gage height, 7.01 ft; minimum daily, 30 ft^3/s (estimated), Sept. 15, 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e70	e70	e48	e48	e52	48	78	1280	94	67	57	e100
2	e70	e70	e50	e48	e48	50	72	1280	100	64	56	e75
3	e70	e72	e48	e46	e52	47	70	1280	83	62	58	e110
4	e60	e72	e46	e48	e52	44	74	1240	77	59	60	e75
5	e50	e72	e46	e48	e50	44	117	1060	75	59	59	e57
6	e40	e70	e44	e50	e50	49	137	1020	72	56	57	e55
7	e40	e70	e46	e50	e50	60	213	952	70	54	57	e52
8	e40	e68	e46	e50	e50	56	355	983	69	57	58	e50
9	e36	e66	e48	e52	e52	54	401	909	67	60	57	e50
10	e32	61	e48	e50	e52	52	523	849	66	61	61	e57
11	e35	62	e46	e50	e54	49	508	841	65	59	81	e58
12	e35	64	e46	e50	e54	47	386	846	65	58	65	e45
13	e230	65	e46	e50	e54	48	372	803	64	59	62	e40
14	e110	68	e44	e52	e52	49	622	788	65	61	81	e35
15	e80	65	e44	e52	e52	49	738	799	63	60	66	e30
16	e76	65	e48	e54	e54	52	665	782	62	59	82	e30
17	e76	59	e50	e54	e54	51	598	765	66	59	55	e35
18	e76	58	e46	e56	e52	50	620	768	60	62	57	e40
19	e76	49	e46	e58	e52	50	620	766	69	57	109	47
20	e76	38	e46	e60	e52	56	680	774	65	61	67	45
21	e76	42	e48	e60	e50	67	830	794	65	59	70	43
22	e76	e40	e48	e58	e50	64	1010	790	63	59	59	39
23	e76	e46	e48	e58	e52	63	1020	590	63	60	58	35
24	e76	e46	e48	e56	e52	62	1040	414	64	59	53	37
25	e76	e46	e48	e56	e54	61	1080	303	65	62	61	41
26	e76	e46	e50	e54	e52	59	1090	307	64	63	61	42
27	e76	e46	e50	e52	e50	57	1070	307	65	64	59	40
28	e76	e46	e50	e52	e46	60	1110	280	78	62	60	38
29	e74	e46	e50	e52	43	70	1180	158	69	60	56	40
30	e74	e46	e50	e50	---	68	1250	99	69	57	71	49
31	e70	---	e50	e50	---	74	---	92	---	56	90	---
TOTAL	2204	1734	1472	1624	1487	1710	18529	22919	2082	1855	2003	1490
MEAN	71.1	57.8	47.5	52.4	51.3	55.2	618	739	69.4	59.8	64.6	49.7
MAX	230	72	50	60	54	74	1250	1280	100	67	109	110
MIN	32	38	44	46	43	44	70	92	60	54	53	30
AC-FT	4370	3440	2920	3220	2950	3390	36750	45460	4130	3680	3970	2960

e Estimated.

09169500 DOLORES RIVER AT BEDROCK, CO

LOCATION.--Lat 38°18'37", long 108°53'05", in $NW^1/_4SW^1/_4$ sec.20, T.47 N., R.18 W., Montrose County, Hydrologic Unit 14030002, on right bank at upstream side of bridge, 0.4 mi southeast of Bedrock, and 3.1 mi upstream from East Paradox Creek.

DRAINAGE AREA.--2,024 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1917 to September 1922 (monthly discharge only for some periods, published in WSP 1313), August 1971 to current year. Statistical summary computed for 1985 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,940 ft above sea level, from topographic map. Prior to Aug. 1, 1971, nonrecording gage at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 5,000 acres upstream from station, and about 74,760 acres in the San Juan River basin. Flow regulated since Mar. 19, 1984, by McPhee Reservoir, capacity 381,000 acre-ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 6, 1970, reached a stage of 7.15 ft, present datum, from floodmarks (discharge not determined).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e75	e76	e55	e55	e54	e52	e93	e1170	e98	65	46	111
2	e75	e76	e54	e54	e54	e50	e95	e1150	94	63	48	75
3	e68	e76	e54	e52	e58	e53	e90	e1150	89	61	51	57
4	e59	e75	e51	e52	e58	e52	e91	e1150	87	57	48	54
5	e49	e76	e48	e54	e56	e58	e103	e1100	83	54	50	53
6	e45	e75	e46	e56	e56	e58	e134	e960	79	53	48	52
7	e40	e74	e50	e58	e56	e57	e153	e950	75	54	45	53
8	e36	e76	e52	e58	e58	e63	254	e940	72	56	45	57
9	e34	e78	e54	e56	e58	e69	342	867	70	64	46	58
10	e37	e76	e54	e54	e60	e71	395	806	69	64	46	43
11	e40	e76	e52	e54	e60	e69	446	776	69	64	47	42
12	e40	e76	e48	e54	e60	e62	415	754	68	61	52	36
13	e70	e76	e49	e56	e58	e62	303	735	66	58	69	29
14	e220	e76	e49	e58	e58	e57	361	720	63	58	48	28
15	e100	e76	e50	e60	e58	e58	626	e720	63	59	66	33
16	e76	e76	e62	e62	e58	e59	594	e720	61	59	64	33
17	e74	e74	e45	e64	e60	e58	545	e720	59	62	92	33
18	e74	e70	e50	e66	e60	e58	540	e720	61	59	54	37
19	e74	e67	e52	e64	e58	e58	533	e720	64	58	54	37
20	e74	e65	e54	e62	e58	e63	536	e720	68	54	100	37
21	e72	e58	e54	e66	e56	e72	677	e720	61	52	81	37
22	e70	e58	e54	e62	e56	e78	829	e700	61	52	59	36
23	e72	e55	e56	e58	e58	e78	944	e670	62	51	60	31
24	e72	e52	e58	e58	e60	e78	942	e420	62	49	55	26
25	e72	e50	e56	e62	e60	e73	944	e350	62	50	56	25
26	e74	e50	e55	e60	e58	e70	946	e300	63	51	55	29
27	e72	e52	e56	e58	e58	e71	945	e300	65	54	53	32
28	e72	e52	e56	e58	e56	e75	e1000	e285	65	56	53	33
29	e70	e52	e56	e56	e54	e83	e1050	e240	76	55	87	35
30	e72	e53	e56	e56	---	e93	e1150	e165	69	52	103	32
31	e74	---	e56	e54	---	e95	---	e105	---	48	77	---
TOTAL	2152	2022	1642	1797	1672	2053	16076	21803	2104	1753	1858	1274
MEAN	69.4	67.4	53.0	58.0	57.7	66.2	536	703	70.1	56.5	59.9	42.5
MAX	220	78	62	66	60	95	1150	1170	98	65	103	111
MIN	34	50	45	52	54	50	90	105	59	48	45	25
AC-FT	4270	4010	3260	3560	3320	4070	31890	43250	4170	3480	3690	2530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	91.3	89.1	71.3	70.3	80.2	251	960	1398	732	155	103	103
MAX	257	399	254	198	181	774	2551	3243	1794	626	242	332
(WY)	1987	1987	1987	1985	1987	1985	1993	1993	1995	1995	1987	1999
MIN	32.7	34.3	29.7	31.6	45.4	45.2	27.6	29.8	16.4	48.0	43.8	42.5
(WY)	1992	1991	1991	1991	1991	1990	1990	1990	1990	1990	1990	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1985 - 2000	
ANNUAL TOTAL	87483		56206			
ANNUAL MEAN	240		154		a343	
HIGHEST ANNUAL MEAN					724	1993
LOWEST ANNUAL MEAN					53.5	1990
HIGHEST DAILY MEAN	3100	May 25	e1170	May 1	4690	May 5 1986
LOWEST DAILY MEAN	32	Jan 28	25	Sep 25	b4.0	Jun 21 1990
ANNUAL SEVEN-DAY MINIMUM	39	Oct 6	30	Sep 23	8.6	Jun 15 1990
INSTANTANEOUS PEAK FLOW			1260	May 1	c5230	May 5 1986
INSTANTANEOUS PEAK STAGE			d4.30	May 1	9.12	May 5 1986
ANNUAL RUNOFF (AC-FT)	173500		111500		248100	
10 PERCENT EXCEEDS	641		542		1130	
50 PERCENT EXCEEDS	78		60		78	
90 PERCENT EXCEEDS	47		48		41	

e Estimated.
a Average discharge for 17 years (water years 1918-22, 1972-83), 497 ft^3/s; 360100 acre-ft/yr, prior to completion of McPhee Reservoir.
b Minimum daily discharge for period of record, no flow, Sep 13, 1974, Aug 15-18, 1978.
c Maximum discharge and stage for period of record, 9280 ft^3/s, Apr 30, 1973, gage height, 12.09 ft, from floodmarks.
d From outside high water mark.

09169500 DOLORES RIVER AT BEDROCK, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1979 to current year.
WATER TEMPERATURE: November 1979 to current year.

INSTRUMENTATION.--Water-quality monitor since November 1979 and water-quality monitor with satellite telemetry since July 1991 to current year.

REMARKS.-- Specific conductance record is good. Water temperature record is good. Daily data that are not published are due to probes being isolated.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 6,970 microsiemens Aug. 14, 1987; minimum, 140 microsiemens May 25, 1983.
WATER TEMPERATURE: Maximum, 33.5°C Aug. 7, 1981; minimum, -0.5°C Dec. 3-8, 1982.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 2,700 microsiemens, Aug. 24; minimum, 271 microsiemens, Apr. 24.
WATER TEMPERATURE: Maximum, 28.6°C, Aug. 2; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
OCT										
27...	1230	77	555	8.4	7.8	150	43.8	10.6	50.2	2
DEC										
17...	1030	e45	806	8.5	.0	200	54.2	15.5	85.5	3
MAR										
01...	1145	52	1010	8.4	6.3	250	62.6	23.2	105	3
APR										
06...	1345	163	1100	8.4	15.5	330	76.0	32.9	99.7	2
24...	1500	947	351	8.2	12.6	140	40.6	9.85	14.3	.5
MAY										
15...	1345	716	342	8.3	12.2	140	40.7	8.91	14.6	.5
JUN										
01...	0945	98	661	8.5	19.4	180	49.4	12.8	61.0	2
JUL										
06...	0715	55	645	8.5	19.2	150	39.7	11.3	67.3	2
AUG										
17...	0830	113	594	8.2	21.9	120	34.9	7.93	64.7	3

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT									
27...	2.8	125	42.0	74.1	.1	4.3	303	.41	63.1
DEC									
17...	3.7	155	66.0	120	.1	6.7	445	.60	54.0
MAR									
01...	4.1	146	174	130	.1	3.9	590	.80	82.5
APR									
06...	4.2	154	294	86.4	.2	5.4	691	.94	304
24...	1.9	108	57.9	9.0	.1	5.3	204	.28	522
MAY									
15...	1.6	108	51.3	12.2	<.1	4.9	199	.27	385
JUN									
01...	3.1	132	77.0	82.4	.1	5.0	370	.50	98.3
JUL									
06...	3.7	111	50.3	97.3	.2	2.9	339	.46	50.8
AUG									
17...	4.8	108	34.0	94.0	.2	5.3	310	.42	94.7

09169500 DOLORES RIVER AT BEDROCK, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	561	544	553	568	555	560	741	706	724	718	672	692
2	549	526	538	564	554	558	746	713	733	696	677	689
3	538	522	530	565	554	558	734	699	718	728	693	710
4	547	507	525	563	552	557	785	697	741	745	718	734
5	576	544	557	564	553	558	760	652	720	743	703	724
6	611	564	588	563	543	557	770	679	736	757	708	730
7	610	573	593	566	553	558	796	696	765	795	736	765
8	612	591	603	576	561	567	779	731	754	817	754	788
9	641	598	628	574	567	571	771	728	748	835	750	800
10	654	633	644	572	560	566	780	713	744	807	759	786
11	657	633	644	569	561	564	781	736	754	801	748	778
12	665	617	641	566	555	561	774	723	748	792	747	770
13	936	634	655	567	557	561	801	694	768	755	741	747
14	1290	383	512	566	553	561	835	754	798	752	720	738
15	383	349	359	565	546	559	920	795	843	731	697	714
16	392	364	381	568	549	561	864	781	819	715	687	702
17	397	383	390	574	554	564	881	765	809	708	681	695
18	420	393	407	578	566	572	882	795	844	697	680	690
19	448	419	434	587	566	575	860	776	819	709	682	701
20	463	443	452	605	560	582	835	788	809	706	678	694
21	475	455	464	645	600	619	838	754	790	709	672	693
22	482	464	472	672	645	658	817	762	778	728	680	703
23	481	468	474	701	659	680	822	751	786	733	680	713
24	480	467	474	708	631	676	775	750	763	779	710	746
25	491	468	475	730	644	692	791	750	775	779	723	746
26	544	489	518	739	657	698	791	746	765	856	741	774
27	565	535	554	759	699	723	755	716	742	894	817	853
28	564	555	558	766	710	743	748	730	739	857	769	804
29	568	555	560	752	705	722	756	708	733	829	724	778
30	562	550	555	743	704	728	739	693	716	1040	771	902
31	563	551	556	---	---	---	734	681	711	992	827	908
MONTH	1290	349	526	766	543	607	920	652	764	1040	672	751

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	996	891	915	1020	982	1010	1280	1190	1240	332	318	325
2	1120	928	1020	1070	1020	1050	1370	1220	1290	328	321	324
3	1080	937	1020	1110	1060	1080	1360	1180	1260	334	316	319
4	999	854	935	1110	963	1030	1260	1140	1190	334	309	317
5	982	871	919	1070	1010	1030	1240	1170	1190	331	312	320
6	988	801	922	1030	1000	1020	1180	1040	1130	340	321	328
7	997	776	906	1060	1000	1040	1280	1070	1160	338	322	329
8	901	809	861	1070	1020	1040	1180	820	989	346	320	329
9	987	793	882	1040	1000	1020	987	658	765	348	318	328
10	1030	787	895	1040	1010	1030	662	541	579	375	339	352
11	1020	779	889	1040	992	1010	---	---	---	373	353	359
12	990	809	886	1050	978	1010	---	---	---	358	345	350
13	990	849	906	1100	1050	1070	---	---	---	360	332	342
14	1010	855	933	1090	1060	1070	---	---	---	344	335	339
15	1020	834	930	1080	1060	1070	---	---	---	343	338	340
16	1020	918	946	1060	1030	1040	---	---	---	345	340	342
17	956	922	942	1040	1010	1030	---	---	---	343	339	342
18	1030	953	983	1050	1010	1030	---	---	---	342	335	339
19	1010	972	980	1020	995	1010	---	---	---	343	333	337
20	976	950	964	1030	974	1010	---	---	---	336	332	334
21	987	952	969	1110	977	1030	---	---	---	336	330	334
22	985	945	963	1130	1060	1100	---	---	---	336	330	332
23	957	936	949	1150	1090	1120	---	---	---	344	330	336
24	977	956	964	1120	1050	1090	---	271	---	381	341	359
25	1030	959	994	1060	1020	1040	305	276	290	425	380	393
26	1020	978	990	1090	1020	1060	313	294	304	434	424	428
27	1030	935	976	1100	1020	1080	339	306	326	450	434	444
28	1020	974	994	1100	1070	1090	355	324	338	444	435	440
29	1020	974	992	1160	1080	1120	356	335	345	466	435	446
30	---	---	---	1260	1120	1180	347	323	331	543	466	495
31	---	---	---	1260	1220	1260	---	---	---	631	543	582
MONTH	1120	776	946	1260	963	1060	---	---	---	631	309	364

09169500 DOLORES RIVER AT BEDROCK, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	707	631	667	675	628	647	660	597	639	642	574	611
2	766	707	741	660	619	639	642	591	619	593	561	576
3	848	766	809	1260	623	714	731	583	647	880	593	655
4	876	838	863	1790	862	1380	900	599	707	1300	880	1200
5	885	839	867	862	718	756	642	598	621	1750	1110	1520
6	881	836	864	732	650	695	635	581	608	1620	945	1250
7	881	830	862	716	627	677	640	595	615	945	747	831
8	872	830	858	705	620	667	647	590	618	747	684	715
9	868	825	855	692	645	672	648	593	620	718	666	682
10	852	813	837	1130	639	760	639	585	612	718	677	691
11	836	786	821	1110	655	721	647	586	617	718	677	697
12	811	758	794	655	618	638	633	587	609	720	669	693
13	792	750	774	661	612	643	664	502	598	746	680	708
14	779	733	761	663	625	643	629	497	568	756	700	728
15	758	718	740	661	611	637	674	585	616	765	707	740
16	754	704	732	655	604	630	849	535	645	859	703	749
17	743	685	715	633	595	616	776	517	612	956	859	935
18	717	672	695	645	581	617	570	503	536	909	792	823
19	708	670	690	637	595	622	1970	570	918	851	738	787
20	697	659	686	628	570	600	1970	764	1290	818	726	750
21	682	641	663	652	577	614	2100	651	1230	742	690	714
22	683	630	663	651	596	623	711	631	664	736	703	720
23	690	660	682	645	584	616	1080	618	676	735	686	710
24	689	648	673	963	590	729	2700	1080	2300	723	665	686
25	680	639	662	922	648	723	2190	1070	1650	774	681	709
26	674	635	656	657	602	632	1070	768	881	779	746	760
27	664	618	644	641	586	614	769	715	754	754	726	739
28	664	633	648	631	597	616	729	681	708	741	710	726
29	656	608	634	624	576	601	1030	680	748	751	714	732
30	677	607	621	623	568	598	1030	621	719	805	743	769
31	---	---	---	634	569	602	761	608	654	---	---	---
MONTH	885	607	739	1790	568	676	2700	497	784	1750	561	787

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.2	11.9	14.1	9.4	5.3	7.4	3.6	1.0	2.2	.1	.0	.0
2	16.3	12.5	14.5	9.0	5.2	7.2	4.2	1.9	3.2	.1	.0	.0
3	16.9	12.6	14.7	8.5	4.8	6.7	3.1	1.6	2.5	.1	.0	.0
4	16.0	11.8	14.0	8.4	4.4	6.5	2.6	.2	1.3	.0	.0	.0
5	15.8	11.8	13.8	8.3	4.4	6.4	1.3	.0	.4	.0	.0	.0
6	15.6	13.0	14.1	8.3	4.4	6.4	1.2	.0	.3	.1	.0	.0
7	14.2	12.8	13.6	7.8	4.4	6.2	1.2	.0	.4	.0	.0	.0
8	15.2	11.0	13.1	9.1	5.2	7.2	1.4	.0	.4	.1	.0	.0
9	15.6	11.6	13.7	9.2	5.5	7.4	.4	.0	.1	.1	.0	.0
10	15.8	12.0	14.0	8.1	4.7	6.5	.6	.0	.2	.1	.0	.0
11	16.1	11.9	14.2	7.8	4.4	6.1	1.1	.0	.3	.1	.0	.0
12	15.9	11.8	14.0	7.4	3.8	5.6	.8	.0	.2	.2	.0	.0
13	15.6	11.6	13.7	6.7	3.0	4.9	.2	.0	.0	.2	.0	.0
14	14.8	11.5	13.3	6.1	2.5	4.3	.4	.0	.1	.2	.0	.0
15	15.0	10.9	12.8	5.7	2.1	4.0	.4	.0	.1	.3	.0	.1
16	13.0	10.2	11.5	5.7	2.1	3.9	.5	.0	.1	.1	.0	.0
17	11.2	7.4	9.3	5.6	2.6	4.2	.5	.0	.1	.2	.0	.0
18	10.9	6.8	8.8	7.1	4.1	5.4	.5	.0	.1	.2	.0	.0
19	11.1	7.2	9.2	4.7	1.9	3.5	.4	.0	.1	.5	.0	.1
20	11.2	7.0	9.2	3.3	1.5	2.5	.5	.0	.1	.5	.0	.1
21	11.3	7.1	9.3	3.8	1.2	2.6	.3	.0	.1	.7	.0	.2
22	11.3	7.2	9.3	4.4	2.6	3.3	.3	.0	.1	1.1	.0	.3
23	11.1	7.0	9.1	2.8	.6	1.8	.3	.0	.1	1.0	.0	.4
24	10.8	7.0	9.0	1.7	.0	.7	.3	.0	.1	1.1	.0	.5
25	10.8	6.7	8.8	1.5	.0	.5	.3	.0	.1	1.1	.4	.8
26	10.5	6.5	8.5	1.5	.0	.5	.3	.0	.1	2.3	.9	1.5
27	10.8	6.7	8.7	1.7	.0	.8	.3	.0	.0	2.6	.4	1.4
28	9.4	6.6	8.3	2.4	.0	1.2	.3	.0	.1	1.7	.2	.7
29	10.5	7.6	8.9	3.0	.1	1.6	.3	.0	.1	1.2	.2	.5
30	9.3	5.6	7.6	1.7	.3	1.2	.3	.0	.0	1.1	.1	.4
31	9.4	5.4	7.4	---	---	---	.2	.0	.0	.7	.0	.3
MONTH	16.9	5.4	11.3	9.4	.0	4.2	4.2	.0	.4	2.6	.0	.2

09169500 DOLORES RIVER AT BEDROCK, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.7	.1	.7	7.6	6.1	6.9	12.1	7.3	9.4	13.1	10.6	11.6
2	2.0	.2	1.0	9.1	5.6	7.3	12.6	8.3	10.3	13.7	11.2	12.2
3	2.2	.3	1.2	10.2	5.4	7.7	13.8	9.3	11.3	14.2	11.6	12.8
4	2.2	.5	1.4	10.6	5.7	8.1	15.3	9.4	12.1	14.6	12.4	13.3
5	2.7	.6	1.7	8.8	6.5	7.4	16.6	11.3	13.7	15.0	12.5	13.6
6	3.0	.6	1.9	6.8	5.7	6.3	16.7	12.6	14.5	16.0	12.6	14.0
7	3.3	.6	2.0	7.3	5.7	6.4	16.1	12.8	14.5	14.9	12.7	13.7
8	2.8	.6	1.9	7.0	4.9	6.0	15.1	11.8	13.6	14.5	12.1	13.0
9	2.6	1.4	2.2	7.3	4.8	6.1	15.2	11.8	13.4	15.3	11.2	13.0
10	3.5	1.7	2.6	8.1	4.4	6.1	14.7	12.0	13.3	15.6	12.2	13.9
11	4.2	1.7	2.9	9.4	4.6	7.0	13.8	12.1	12.9	16.1	12.7	14.3
12	2.8	2.0	2.4	10.5	6.5	8.4	13.8	11.5	12.6	14.6	11.3	13.0
13	3.0	1.6	2.4	11.4	6.3	8.7	---	---	---	14.5	10.6	12.5
14	3.8	2.5	3.1	11.8	6.9	9.4	---	---	---	13.5	10.8	12.3
15	6.4	2.4	4.2	10.1	7.4	8.6	---	---	---	13.6	11.1	12.3
16	5.7	3.8	4.4	11.2	5.8	8.3	---	---	---	14.5	11.1	12.7
17	5.8	4.0	4.8	11.0	6.4	8.6	---	---	---	14.8	11.4	13.0
18	7.4	4.1	5.5	9.6	6.1	7.7	---	---	---	13.9	11.0	12.5
19	6.7	3.4	5.1	9.7	5.2	7.5	---	---	---	15.1	11.3	13.1
20	5.3	3.5	4.6	8.6	4.7	6.8	---	---	---	16.2	12.3	14.2
21	5.8	4.2	4.9	7.7	3.8	5.7	---	---	---	16.8	13.0	14.9
22	7.1	4.8	5.9	7.7	5.6	6.7	---	---	---	18.0	13.5	15.7
23	6.7	4.2	5.7	10.3	6.6	8.1	---	---	---	19.3	14.6	16.9
24	6.3	4.6	5.6	12.2	7.5	9.9	13.0	---	---	19.4	16.9	18.2
25	6.3	3.1	4.6	13.7	9.1	11.3	12.3	10.2	11.1	18.0	16.4	17.4
26	5.8	2.1	4.0	13.2	9.6	11.4	12.9	10.5	11.5	18.6	15.5	16.9
27	7.4	3.1	5.1	14.4	9.4	11.9	14.6	11.1	12.6	21.1	15.4	18.3
28	7.4	5.1	6.2	12.7	11.1	11.9	15.2	11.7	13.2	22.2	17.4	19.9
29	9.2	5.4	7.0	13.5	9.5	11.3	14.5	12.3	13.2	22.7	18.7	20.8
30	---	---	---	11.9	10.0	11.2	13.1	11.2	11.9	23.3	18.7	21.0
31	---	---	---	10.0	8.1	9.0	---	---	---	23.8	19.0	21.2
MONTH	9.2	.1	3.6	14.4	3.8	8.3	---	---	---	23.8	10.6	14.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.0	19.0	21.7	26.1	20.7	23.2	27.5	22.0	24.8	20.7	18.4	19.5
2	24.8	19.5	22.0	26.4	21.5	23.8	28.6	23.4	25.9	21.3	17.2	19.0
3	24.7	19.1	21.7	25.6	21.1	23.1	27.4	23.8	25.5	20.9	17.1	18.9
4	25.9	19.9	22.6	24.2	19.5	21.8	28.2	23.2	25.5	21.6	17.5	19.5
5	24.7	20.3	22.5	24.2	18.7	21.4	27.9	22.8	25.3	20.2	18.4	19.4
6	25.8	19.9	22.6	24.8	19.1	21.9	27.0	22.2	24.6	19.5	17.6	18.5
7	25.9	20.1	22.9	23.0	20.1	21.8	25.8	21.8	24.0	21.6	16.4	18.9
8	23.7	20.8	22.2	25.8	20.6	22.9	26.6	21.3	24.0	20.3	17.9	19.1
9	22.2	18.8	20.3	25.8	21.6	23.7	26.5	22.5	24.6	21.1	15.9	18.3
10	22.9	16.8	19.7	26.9	21.7	24.1	27.5	22.7	24.9	21.4	16.7	19.0
11	23.8	17.9	20.7	27.5	22.0	24.7	27.4	22.6	25.1	21.0	16.4	18.8
12	22.7	18.4	20.7	26.2	23.0	24.5	28.5	23.5	25.7	21.5	16.2	18.8
13	24.2	18.2	20.9	27.4	22.3	24.9	27.9	23.9	25.8	22.1	16.9	19.6
14	24.7	18.3	21.3	28.3	22.9	25.3	27.1	22.9	24.9	22.4	17.4	20.0
15	25.5	19.4	22.2	28.1	23.2	25.5	25.6	22.6	24.0	22.2	17.7	20.3
16	25.5	20.0	22.5	27.8	23.7	25.7	26.4	22.3	24.1	22.8	18.0	20.5
17	24.4	18.2	21.2	26.6	23.3	25.0	26.1	22.0	23.8	21.2	18.2	19.9
18	21.9	19.1	20.6	27.2	21.9	24.4	25.1	21.9	23.4	22.4	18.1	20.2
19	21.9	18.5	20.3	26.8	21.1	23.9	24.9	21.2	23.0	21.8	17.7	19.9
20	24.7	18.6	21.4	26.4	21.2	23.7	24.1	21.3	22.8	22.0	17.5	19.7
21	25.3	18.4	21.7	27.4	20.8	23.9	22.8	20.6	21.5	19.9	17.1	18.4
22	23.4	19.7	21.7	27.5	21.2	24.3	24.1	19.6	21.7	19.5	15.9	17.5
23	24.1	20.0	21.9	26.7	21.5	24.2	25.0	20.6	22.6	16.5	14.0	15.2
24	25.5	20.8	22.9	25.9	22.2	24.0	25.2	20.9	23.0	16.1	11.9	13.9
25	25.7	20.6	23.0	27.5	21.9	24.5	25.3	21.1	23.0	16.1	11.6	13.9
26	23.2	21.5	22.3	26.8	22.2	24.4	25.1	21.7	23.2	16.4	11.9	14.3
27	23.7	19.6	21.7	25.7	21.7	23.6	25.1	21.2	23.1	18.0	13.4	15.8
28	24.0	20.1	22.1	27.4	21.2	24.2	25.7	21.5	23.4	17.7	14.8	16.3
29	23.5	20.4	22.2	27.8	22.6	25.1	24.5	21.2	22.9	19.3	15.7	17.4
30	24.1	20.3	22.3	27.1	22.7	24.8	23.3	20.3	21.6	20.2	16.0	18.1
31	---	---	---	27.5	22.1	24.7	22.0	19.2	20.6	---	---	---
MONTH	25.9	16.8	21.7	28.3	18.7	24.0	28.6	19.2	23.8	22.8	11.6	18.3

09170800 WEST PARADOX CREEK ABOVE BEDROCK, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°19'54", long 108°53'59", in $NE^1/_4NW^1/_4$ sec.18, T.47 N., R.18 W., Montrose County. Site is 1,000 ft downstream from former surface water station, 1.3 mi northwest of Bedrock, and 2.6 mi upstream from mouth.

DRAINAGE AREA.-- 53.3 mi^2.

PERIOD OF RECORD.--Chemical analyses: August 1987 to current year.

REMARKS.--Natural flow affected by water imported from Rock Creek through Buckeye Reservoir. Diversion for irrigation of about 2,500 acres.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
OCT									
27...	1430	1270	8.5	8.2	650	125	81.0	38.5	.7
DEC									
17...	0900	1260	8.3	.0	640	126	78.6	37.7	.6
MAR									
01...	1030	1230	8.4	6.8	630	123	79.0	34.1	.6
APR									
06...	1300	500	8.1	10.0	220	48.3	23.9	12.2	.4
24...	1345	1230	8.3	14.2	610	120	74.3	32.7	.6

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT								
27...	3.7	260	432	39.2	.4	12.5	888	1.21
DEC								
17...	3.1	251	432	34.6	.4	13.7	877	1.19
MAR								
01...	3.3	240	429	30.9	.4	12.5	856	1.16
APR								
06...	3.0	113	129	10.3	.2	9.1	303	.41
24...	3.4	234	426	30.9	.4	11.2	840	1.14

09171100 DOLORES RIVER NEAR BEDROCK, CO

LOCATION (REVISED).--Lat 38°21'25", long 108°49'58", in $NE^1/_4SE^1/_4$ sec.3, T.47 N., R.18 W., Montrose County, Hydrologic Unit 14030002, on right bank 2.5 mi downstream from West Paradox Creek and 4.2 mi northeast of Bedrock.

DRAINAGE AREA.--2,145 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1971 to current year. Statistical summary computed for 1985 to current year.

REVISED RECORDS.--WDR CO-90-2: 1989.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,910 ft above sea level, from topographic map. Prior to Feb. 17, 1972, at site 200 ft downstream at datum 1.98 ft lower. From Feb. 17, 1972 to Aug. 16, 2000 at site 600 ft downstream at datum 3.00 ft. lower.

REMARKS.--Records fair except for estimated daily discharges and Aug. 16 to Sept. 30, which are poor. Diversions upstream from station for irrigation of about 80,000 acres, of which about 74,760 acres are in the San Juan River basin. Flow regulated by McPhee Reservoir, capacity 381,000 acre-ft, since Mar. 19, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 6, 1970, reached a stage of 11.25 ft, site and datum then in use (discharge, 5,710 ft^3/s), by slope-area measurement at site 800 ft upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	e76	e56	e58	62	61	96	1210	99	66	55	108
2	75	e78	60	e57	56	61	101	1200	97	65	56	86
3	72	e78	e56	e56	63	64	96	1200	93	63	59	70
4	61	e78	e55	e58	62	67	95	1200	88	60	56	68
5	51	e80	57	e59	61	67	100	1130	85	58	57	67
6	47	e78	49	e60	62	65	136	978	83	57	56	66
7	42	e78	51	e62	61	71	168	971	75	58	54	66
8	37	e78	e55	e62	62	75	247	969	73	60	54	69
9	35	e79	56	e61	63	78	351	942	74	63	56	71
10	33	e78	e56	e58	62	75	388	863	69	66	56	60
11	40	e78	e54	e59	66	70	473	805	68	65	56	58
12	39	e78	50	e60	63	70	433	791	68	64	56	55
13	39	e78	52	e60	64	68	316	788	67	62	74	49
14	230	82	e51	e62	63	67	345	780	66	62	60	47
15	111	81	51	e65	63	67	627	770	65	62	63	49
16	84	80	e62	e66	63	67	623	765	64	62	79	51
17	79	81	e56	e69	64	67	561	750	62	65	92	50
18	79	78	47	e72	66	66	557	750	63	63	69	54
19	79	73	e55	e69	64	66	549	751	66	62	68	54
20	80	72	e56	e69	64	71	546	744	68	60	93	54
21	80	63	e56	69	63	79	715	736	65	58	94	53
22	78	62	e56	69	61	83	889	732	64	58	72	52
23	78	62	e60	62	61	84	1020	671	65	57	72	49
24	79	60	e62	60	65	83	1000	484	65	57	68	46
25	78	55	e58	66	65	79	1000	379	65	57	68	45
26	78	54	e58	e67	62	77	1010	313	66	59	69	46
27	80	56	e60	e64	62	78	1020	313	67	59	66	50
28	79	e54	e60	e62	61	81	1000	305	66	61	66	51
29	78	e54	e60	e60	59	87	1090	270	71	60	91	54
30	78	e56	e60	58	---	92	1220	175	69	60	99	52
31	e76	---	e60	e60	---	98	---	112	---	57	83	---
TOTAL	2250	2138	1735	1939	1813	2284	16772	22847	2156	1886	2117	1750
MEAN	72.6	71.3	56.0	62.5	62.5	73.7	559	737	71.9	60.8	68.3	58.3
MAX	230	82	62	72	66	98	1220	1210	99	66	99	108
MIN	33	54	47	56	56	61	95	112	62	57	54	45
AC-FT	4460	4240	3440	3850	3600	4530	33270	45320	4280	3740	4200	3470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	97.7	96.7	76.5	77.9	90.8	263	978	1406	741	161	107	113
MAX	269	430	262	208	207	811	2552	3219	1766	677	274	379
(WY)	1987	1987	1987	1985	1987	1985	1985	1993	1995	1995	1987	1999
MIN	33.3	38.8	33.1	34.5	48.2	46.6	27.3	30.4	16.0	44.9	44.7	53.0
(WY)	1992	1991	1991	1991	1991	1990	1990	1990	1990	1990	1990	1991

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1985 - 2000	
ANNUAL TOTAL	89839		59687			
ANNUAL MEAN	246		163		a351	
HIGHEST ANNUAL MEAN					711	1993
LOWEST ANNUAL MEAN					55.3	1990
HIGHEST DAILY MEAN	3040	May 26	1220	Apr 30	4550	May 6 1986
LOWEST DAILY MEAN	33	Oct 10	33	Oct 10	b7.1	Jun 21 1990
ANNUAL SEVEN-DAY MINIMUM	38	Oct 7	38	Oct 7	10	Jun 16 1990
INSTANTANEOUS PEAK FLOW			1230	Apr 30	c5260	May 6 1986
INSTANTANEOUS PEAK STAGE			6.54	Apr 30	10.82	May 6 1986
ANNUAL RUNOFF (AC-FT)	178200		118400		254400	
10 PERCENT EXCEEDS	727		558		1160	
50 PERCENT EXCEEDS	83		66		85	
90 PERCENT EXCEEDS	58		54		46	

e Estimated.
a Average discharge for 12 years (water years 1972-83), 502 ft^3/s; 363700 acre-ft/yr, prior to completion of McPhee Dam.
b Minimum daily discharge for period of record, 0.12 ft^3/s, Jul 17-18, 1977.
c Maximum discharge and stage for period of record, 9500 ft^3/s, Apr 30, 1973, gage height, 12.88 ft site and datum then in use, from floodmarks.

09171100 DOLORES RIVER NEAR BEDROCK, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1987 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1987 to current year.
WATER TEMPERATURE: December 1987 to current year.

INSTRUMENTATION.--Water-quality monitor since December 1987.

REMARKS.--Daily specific conductance record is good except Dec. 18 to Jan. 20, and Apr. 25 to June 1 which is poor. Daily water temperature record is good.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 57,700 microsiemens, June 22, 1990 (may have been higher June 19-22, 1990 when probe was out of water); minimum recorded, 256 microsiemens, June 23, 1995 (may have been lower during period of missing record Apr. 3-20, 1993).
WATER TEMPERATURE: Maximum, 33.3°C, July 1, 1990; minimum, -1.0°C, Dec. 23, 1995 (temperatures published as 0.0°C may have been lower during water years 1988-95).

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 11,000 microsiemens, Dec. 12; minimum, 297 microsiemens, May 4.
WATER TEMPERATURE: Maximum, 31.9°C, Aug. 2; minimum, -.2°C, Dec. 12, 15, Jan. 7, 8, 31.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
OCT										
27...	1545	76	2010	8.3	13.1	200	50.1	17.5	309	10
DEC										
16...	1645	78	2010	8.2	.0	230	58.0	21.9	296	8
MAR										
01...	1400	60	4130	8.4	7.7	380	81.4	42.1	681	15
APR										
06...	1015	119	2110	8.4	12.6	350	78.7	38.2	278	6
24...	1645	1030	372	8.2	13.4	140	40.6	9.92	16.9	.6
MAY										
15...	1545	740	376	8.3	14.0	140	40.7	9.17	20.4	.8
JUN										
01...	0730	101	2260	8.3	16.3	220	56.7	19.3	340	10
JUL										
06...	1000	57	2640	8.5	18.9	220	51.7	21.0	429	13
AUG										
16...	1500	68	1350	8.4	29.8	150	38.6	12.5	200	7

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT									
27...	16.6	135	70.6	517	.1	4.3	1070	1.45	220
DEC									
16...	14.8	159	96.9	500	.1	6.5	1090	1.48	231
MAR									
01...	32.9	163	246	1100	.1	5.0	2290	3.11	369
APR									
06...	13.4	156	293	400	.3	6.0	1200	1.63	386
24...	2.3	108	58.5	14.3	.1	5.3	213	.29	591
MAY									
15...	2.0	108	52.6	22.1	<.1	4.7	217	.29	433
JUN									
01...	17.9	146	98.2	566	.1	4.9	1190	1.62	325
JUL									
06...	21.1	120	97.5	693	.2	3.3	1390	1.89	215
AUG									
16...	10.2	108	45.3	317	.1	3.0	691	.94	127

09171100 DOLORES RIVER NEAR BEDROCK, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2280	2160	2220	2070	1960	2010	3260	2430	2810	3070	2430	2900
2	2170	2000	2120	2040	1900	1980	3030	2620	2780	3350	2380	2920
3	2240	2000	2080	2050	1920	1980	2930	2410	2710	3580	2460	2910
4	2680	2240	2430	2060	1930	1990	2410	2130	2260	3900	2110	2970
5	3470	2680	3100	2000	1900	1950	3910	2300	2970	3710	2590	3190
6	3510	3390	3440	1990	1860	1920	6090	1970	3450	4430	3240	3730
7	4050	3470	3780	2050	1910	1960	4180	2610	3290	7260	4040	5570
8	4620	4040	4300	2110	1970	2030	4170	2190	2720	7090	4260	5670
9	4830	4440	4580	2070	1980	2030	7050	1970	3000	5530	2800	3810
10	4910	4640	4750	2080	1970	2020	3060	2120	2510	3320	2680	2940
11	4710	3580	3830	2040	1950	2000	3110	2430	2850	3140	2410	2780
12	3980	3690	3810	2040	1920	1970	11000	1860	3710	2600	2350	2480
13	4110	3780	3890	2050	1930	1990	5380	2250	3860	2670	2320	2540
14	4010	776	1170	2040	1930	1980	3530	2030	2610	2830	2400	2640
15	1370	806	1090	2090	1950	2010	7650	2400	4390	3050	2540	2830
16	1680	1370	1540	2160	2020	2080	3880	2030	2670	3490	3050	3330
17	1920	1640	1770	2220	2090	2140	4160	1560	2670	4120	3490	3900
18	2070	1890	1960	2340	2070	2170	4320	2340	3270	3990	3560	3840
19	2060	1960	2010	2480	2340	2390	3490	1730	2550	3560	3300	3400
20	2090	1960	2010	2800	2460	2550	2480	1900	2270	3530	2970	3360
21	2130	1980	2040	3540	2800	3340	2470	2120	2270	4360	3330	3770
22	2180	2030	2090	3510	2930	3310	3000	1990	2400	3880	3190	3490
23	2190	2050	2110	2930	2730	2790	3380	2160	2640	7800	2380	3930
24	2180	2050	2110	3110	2630	2860	3630	2170	2790	5380	3210	4230
25	2210	2030	2110	5440	2230	3240	4820	2070	3280	4720	2520	3650
26	2200	2060	2120	5170	2160	3080	4020	2440	3120	3920	2390	3000
27	2160	2030	2100	4010	2260	2920	3610	2150	2960	3070	2300	2630
28	2110	1980	2040	3380	2140	2580	3120	2390	2740	3160	2050	2480
29	2100	1940	2030	3110	1910	2350	3890	2630	3200	4960	2100	3470
30	2060	1920	1980	3150	2090	2550	4360	2430	3410	6250	3080	4470
31	2080	1940	2000	---	---	---	4060	2320	3330	7580	3600	4650
MONTH	4910	776	2540	5440	1860	2340	11000	1560	2950	7800	2050	3470

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5810	3450	4300	4720	3880	4170	2610	2450	2530	310	303	307
2	8840	3250	5000	4210	4050	4130	2450	2390	2420	309	305	307
3	6220	2710	4130	4070	3480	3770	2590	2430	2540	308	301	303
4	5880	2690	4100	3590	3410	3500	2660	2370	2490	303	297	300
5	6220	2810	3970	3650	3470	3570	2720	2310	2490	356	302	326
6	5410	2620	3790	3760	3570	3650	2410	1480	1950	360	354	355
7	5460	2670	3800	3800	3080	3490	1560	1380	1480	361	353	356
8	5820	2510	3710	3080	2880	2980	1470	1020	1210	362	350	355
9	4430	2820	3490	2970	2830	2910	1080	869	987	366	350	356
10	4750	3190	3750	3080	2840	2950	869	706	779	392	365	376
11	4410	2980	3460	3320	3010	3140	706	618	639	398	383	391
12	3870	3610	3790	3370	3180	3290	620	571	595	384	374	380
13	3760	3600	3660	3680	3350	3480	639	607	619	385	367	376
14	3790	3700	3730	3770	3420	3590	652	629	639	374	368	372
15	3910	3590	3690	3740	3490	3650	647	535	595	385	369	374
16	4200	3410	3780	3610	3410	3490	535	505	514	396	369	390
17	4360	3560	4040	3560	3410	3500	510	504	507	396	387	390
18	3960	3380	3590	3510	3390	3460	515	510	512	392	381	387
19	4200	3570	3830	3860	3370	3540	520	510	516	391	374	384
20	4050	3790	3910	3880	3330	3720	528	514	523	385	375	380
21	4380	3920	4080	3330	2880	3020	515	460	489	384	364	376
22	4490	4060	4350	2880	2690	2780	461	439	449	379	369	374
23	4450	4060	4270	2750	2620	2690	440	395	413	402	363	378
24	4420	3790	4200	2740	2530	2640	396	374	383	523	401	453
25	4100	3720	3880	2960	2660	2770	385	368	376	747	523	623
26	4100	3690	3930	3090	2820	2920	372	357	364	798	747	785
27	4240	3730	4040	3120	2800	2930	362	344	352	800	776	791
28	4390	4100	4260	3110	2790	3040	369	346	354	798	771	784
29	4710	4080	4310	2790	2600	2680	356	325	336	985	789	836
30	---	---	---	2710	2400	2570	337	303	315	1600	985	1260
31	---	---	---	2550	2410	2490	---	---	---	2170	1600	1960
MONTH	8840	2510	3960	4720	2400	3240	2720	303	946	2170	297	509

09171100 DOLORES RIVER NEAR BEDROCK, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	2350	2160	2270	2110	1950	2010	1960	1700	1820	1280	805	993
2	2420	2270	2340	2120	1960	2040	1970	1770	1840	1240	824	1050
3	2510	2360	2430	2270	2040	2130	1980	1620	1760	1490	1240	1360
4	2570	2440	2500	3420	2250	2790	2050	1740	1880	2140	1490	1810
5	2590	2470	2520	3260	2630	2820	1890	1700	1790	2510	1860	2070
6	2620	2480	2540	2780	2580	2690	1820	1660	1760	2550	1900	2270
7	2650	2520	2590	2780	2540	2640	1810	1720	1770	1900	1620	1710
8	2720	2610	2660	2600	2410	2490	1880	1660	1750	1620	1500	1550
9	2730	2620	2670	2480	2200	2380	1790	1670	1750	1500	1380	1430
10	2710	2530	2630	2240	1940	2100	1830	1660	1730	1710	1440	1570
11	2660	2550	2610	2320	2030	2140	1800	1550	1640	1720	1660	1710
12	2690	2530	2600	2120	1980	2050	1650	1510	1580	1860	1650	1730
13	2690	2530	2620	2120	1890	1990	1590	1030	1270	2040	1860	1920
14	2690	2530	2590	2040	1930	1970	1460	1250	1340	2130	2040	2070
15	2710	2520	2610	2050	1890	1950	1490	1210	1430	2130	1950	2020
16	2650	2510	2590	2060	1910	2000	1510	1010	1230	1950	1880	1910
17	2650	2490	2580	1910	1660	1790	1640	934	1200	2110	1920	1990
18	2630	2490	2560	1920	1740	1820	1490	1320	1380	2110	1940	2020
19	2510	2400	2450	1930	1830	1900	1560	1450	1480	1940	1860	1910
20	2410	2100	2260	2130	1870	1960	2660	1100	2010	1960	1820	1890
21	2410	2230	2330	2110	1850	1970	2330	1090	1710	1900	1840	1870
22	2400	2310	2350	2010	1840	1920	1500	1380	1430	1910	1850	1880
23	2380	2240	2300	1980	1880	1930	1510	1350	1470	1980	1890	1930
24	2310	2170	2240	2050	1880	1960	3220	1470	2220	2150	1920	2040
25	2270	2160	2220	2230	2040	2150	3180	2260	2800	2240	2100	2140
26	2200	2060	2110	2100	1900	1990	2260	1750	1900	2230	2080	2190
27	2100	1960	2030	1990	1790	1870	1760	1620	1690	2080	1920	1970
28	2090	2000	2040	1870	1660	1760	1750	1570	1640	1980	1920	1940
29	2080	1690	1910	1820	1640	1740	1730	982	1320	2080	1890	1980
30	2020	1700	1850	1780	1580	1690	1700	865	1270	2120	1890	1990
31	---	---	---	1890	1660	1760	1400	999	1230	---	---	---
MONTH	2730	1690	2400	3420	1580	2080	3220	865	1650	2550	805	1830
YEAR	11000	297	2320									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.6	10.3	14.2	11.9	4.4	7.7	5.0	.3	2.5	.0	.0	.0
2	18.8	11.0	14.5	11.4	4.3	7.4	6.2	1.2	3.6	.0	.0	.0
3	19.5	11.0	14.7	11.0	3.8	6.9	3.8	1.1	2.7	.0	-.1	.0
4	19.4	9.6	14.1	10.8	3.5	6.7	4.3	-.1	1.5	.0	-.1	.0
5	18.5	9.5	13.9	10.7	3.6	6.7	2.4	-.1	.6	.0	-.1	-.1
6	16.9	11.6	14.0	10.7	3.6	6.7	1.4	-.1	.3	.0	-.1	-.1
7	16.0	11.6	13.4	10.2	3.8	6.6	2.5	-.1	.7	-.1	-.2	-.1
8	18.6	8.9	13.5	11.2	4.9	7.6	3.1	-.1	1.1	-.1	-.2	-.1
9	19.3	9.3	14.2	11.2	4.7	7.6	.0	-.1	.0	.0	-.1	-.1
10	19.4	9.4	14.4	10.2	3.9	6.6	1.3	.0	.3	.0	-.1	.0
11	19.2	9.7	14.4	9.7	3.5	6.1	3.5	-.1	.9	.0	.0	.0
12	19.0	9.4	14.1	9.4	2.7	5.6	.8	-.2	.1	.0	.0	.0
13	18.9	9.2	13.8	8.7	2.1	4.9	.0	-.1	-.1	.0	.0	.0
14	16.2	11.3	13.4	8.1	1.6	4.4	.0	.0	.0	.0	.0	.0
15	16.6	9.6	12.8	7.9	1.5	4.2	.0	-.2	-.1	.0	.0	.0
16	14.0	8.0	10.8	7.8	1.6	4.2	.0	-.1	.0	.0	-.1	.0
17	14.0	6.3	9.5	7.4	2.2	4.7	.0	-.1	.0	.0	-.1	-.1
18	13.7	5.5	9.0	8.5	3.1	5.3	.0	-.1	-.1	.3	-.1	.1
19	13.7	5.8	9.3	6.8	1.0	3.5	.0	-.1	.0	3.2	.1	1.1
20	14.0	5.7	9.3	4.7	.7	2.4	.0	.0	.0	2.8	-.1	.9
21	14.2	5.8	9.5	5.2	.2	2.6	.0	.0	.0	3.5	.0	1.3
22	14.2	5.9	9.5	5.5	1.7	3.5	.0	-.1	.0	5.2	.0	1.8
23	14.0	5.7	9.4	4.7	-.1	1.8	.0	-.1	.0	3.3	-.1	.8
24	13.4	5.7	9.1	3.4	-.1	1.0	.0	-.1	.0	3.4	.0	1.4
25	13.5	5.2	8.8	2.9	-.1	.7	.0	-.1	.0	2.4	1.0	1.7
26	13.3	5.2	8.7	3.7	-.1	1.1	.0	-.1	.0	3.5	1.7	2.3
27	13.5	5.7	9.0	4.3	-.1	1.5	.0	-.1	.0	5.4	.2	2.2
28	10.9	5.7	8.3	4.6	-.1	1.7	.0	-.1	.0	4.0	-.1	1.2
29	11.8	6.8	8.8	5.7	-.1	2.3	.0	-.1	.0	3.6	-.1	.9
30	11.9	4.5	7.8	3.2	-.1	1.4	.0	-.1	-.1	2.7	-.1	.6
31	12.0	4.5	7.8	---	---	---	.0	-.1	-.1	2.4	-.2	.7
MONTH	19.5	4.5	11.4	11.9	-.1	4.4	6.2	-.2	.4	5.4	-.2	.5

09171100 DOLORES RIVER NEAR BEDROCK, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.8	-.1	1.4	8.8	5.7	6.9	15.2	6.7	10.2	13.8	10.1	11.9
2	6.0	-.1	1.9	11.8	4.9	8.0	15.3	7.1	10.6	14.6	10.8	12.6
3	6.3	-.1	2.4	13.4	4.1	8.2	16.6	7.8	11.6	15.2	11.2	13.1
4	5.7	.0	2.4	14.2	4.3	8.7	18.2	7.7	12.5	15.6	12.0	13.7
5	6.7	.2	3.1	8.9	6.0	7.2	18.5	9.5	13.7	15.8	12.2	13.9
6	7.2	.4	3.4	8.7	5.4	6.6	17.5	11.2	14.3	16.4	12.5	14.4
7	7.9	.1	3.4	8.0	5.2	6.4	18.1	10.8	14.2	15.2	12.8	14.1
8	7.0	.3	3.2	9.1	3.7	6.0	15.9	11.0	13.4	14.4	12.3	13.4
9	5.5	2.0	3.5	10.2	4.4	6.8	16.0	11.1	13.5	15.6	11.3	13.5
10	6.3	2.1	3.9	12.2	4.1	7.1	16.1	11.5	13.7	16.0	12.4	14.2
11	6.6	2.5	4.3	12.9	2.9	7.4	15.2	12.0	13.5	16.3	12.8	14.5
12	3.8	2.5	3.1	14.0	5.6	9.1	15.9	10.9	13.4	14.9	11.9	13.5
13	3.9	1.2	2.6	14.7	4.8	9.1	16.6	11.4	13.8	14.7	10.9	12.9
14	4.9	2.5	3.5	15.1	5.0	9.5	14.0	11.9	12.9	13.6	11.1	12.7
15	8.5	1.7	4.4	10.0	6.2	8.1	12.7	11.1	11.8	14.1	11.3	12.7
16	6.0	2.8	4.4	14.4	4.0	8.6	12.7	9.3	11.1	14.8	11.6	13.2
17	7.6	3.9	5.2	12.5	4.7	8.2	14.2	9.5	11.8	14.9	11.7	13.2
18	10.5	4.2	6.3	13.2	4.6	8.1	12.8	10.8	11.8	14.9	11.4	13.0
19	9.9	2.3	5.6	12.5	3.0	7.5	11.3	9.2	10.4	15.8	11.9	13.6
20	7.1	2.7	4.8	8.1	4.3	6.2	13.3	8.2	10.8	16.8	12.7	14.6
21	6.9	3.5	5.1	10.7	3.9	6.7	11.8	9.9	10.7	17.1	13.4	15.4
22	8.5	4.6	6.0	8.5	4.6	6.7	12.5	9.5	10.9	18.5	13.8	16.2
23	8.8	2.8	5.7	13.1	6.7	9.1	12.9	9.6	11.2	19.8	15.1	17.5
24	7.9	4.0	6.0	14.4	6.4	10.2	13.6	9.9	11.7	20.7	16.9	18.5
25	8.2	2.6	4.9	16.6	7.6	11.6	13.5	9.5	11.4	19.0	16.1	17.4
26	9.9	1.0	4.8	17.6	8.3	12.2	14.2	10.1	12.0	19.9	15.1	16.9
27	11.1	1.9	6.1	18.2	7.4	12.3	15.3	10.7	12.9	22.2	15.5	18.6
28	9.8	4.4	6.7	12.2	9.8	11.2	15.6	11.5	13.5	23.2	17.2	20.2
29	12.9	5.1	7.9	17.5	8.3	11.8	15.2	12.3	13.6	23.8	18.4	21.0
30	---	---	---	11.9	8.6	10.5	13.9	11.0	12.4	24.7	17.7	21.0
31	---	---	---	10.1	7.9	8.9	---	---	---	25.5	17.2	21.1
MONTH	12.9	-.1	4.3	18.2	2.9	8.5	18.5	6.7	12.3	25.5	10.1	15.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.3	16.4	21.6	30.7	19.3	23.7	30.6	19.4	24.7	21.2	17.9	19.2
2	26.5	17.2	21.6	28.4	19.1	23.4	31.9	21.4	25.8	23.1	15.8	19.0
3	28.4	16.9	22.1	27.2	18.9	22.6	29.4	22.4	25.1	23.1	15.5	18.8
4	28.1	17.1	22.3	26.4	17.4	21.7	30.2	22.1	25.4	24.0	16.3	20.0
5	27.4	17.8	22.1	26.3	16.4	21.3	30.7	20.6	25.0	21.9	17.4	19.2
6	27.6	17.5	22.3	27.2	16.4	21.8	29.9	20.0	24.6	20.2	16.7	18.4
7	28.4	17.4	22.6	24.5	17.7	21.3	28.8	19.1	23.9	25.3	14.8	19.5
8	24.1	18.6	21.2	26.9	19.5	22.7	29.8	19.0	23.9	20.9	16.9	18.8
9	23.7	17.5	20.2	27.6	20.0	23.7	29.3	19.9	23.9	23.9	14.4	18.8
10	25.4	14.8	19.9	29.2	20.3	24.5	29.9	20.9	24.6	24.2	14.4	19.0
11	26.2	15.6	20.7	30.5	20.2	25.0	31.5	20.4	24.9	23.6	14.1	18.7
12	24.5	15.9	20.2	28.5	21.2	24.5	31.4	21.8	25.5	25.3	13.8	19.0
13	27.1	15.9	21.1	31.4	20.4	25.6	31.2	22.1	25.7	25.7	14.3	19.6
14	27.7	16.5	21.7	31.6	21.8	25.5	30.4	21.3	25.0	26.4	14.7	20.1
15	27.9	17.5	22.3	29.9	21.8	25.4	29.0	21.0	23.9	26.2	14.9	20.2
16	27.6	17.6	22.0	31.0	22.3	25.8	29.8	20.8	24.1	26.7	15.1	20.5
17	27.8	16.4	21.6	29.8	22.5	25.5	28.1	20.9	23.7	23.9	15.6	19.4
18	24.5	17.3	20.4	29.3	20.0	24.3	27.7	20.8	23.2	25.5	17.0	20.5
19	24.3	17.2	20.5	29.0	18.1	23.4	27.1	20.3	23.0	25.5	15.8	20.2
20	28.0	17.3	21.8	28.5	18.3	23.2	27.8	20.1	23.2	25.2	15.6	20.0
21	28.8	16.1	21.9	30.1	18.0	23.7	23.5	19.6	21.3	21.9	15.2	18.1
22	26.4	17.4	21.4	29.9	18.1	23.9	26.8	18.4	21.9	21.5	14.3	17.3
23	26.6	18.5	22.0	30.6	18.7	24.2	29.0	19.6	23.1	16.1	11.1	14.1
24	28.1	19.0	22.9	28.5	19.6	23.5	29.5	19.0	23.3	19.4	10.2	14.0
25	29.0	18.7	23.2	30.9	20.2	24.4	28.9	19.5	23.1	20.7	9.1	14.4
26	22.6	20.1	21.4	30.3	20.9	24.7	27.7	20.8	23.6	21.1	9.3	14.9
27	27.5	17.9	22.1	29.2	19.9	24.1	27.9	20.0	23.2	21.7	11.4	16.1
28	26.1	18.3	22.3	30.9	19.3	24.6	29.8	20.4	24.0	20.2	13.5	16.6
29	25.2	18.5	21.8	29.5	19.9	24.6	27.5	20.6	23.2	22.1	14.7	17.9
30	27.1	18.1	22.2	29.9	20.8	24.4	25.1	20.1	22.1	24.0	14.9	18.8
31	---	---	---	30.4	19.9	24.6	24.3	18.3	20.9	---	---	---
MONTH	29.0	14.8	21.6	31.6	16.4	23.9	31.9	18.3	23.8	26.7	9.1	18.4
YEAR	31.9	-.2	12.1									

09172500 SAN MIGUEL RIVER NEAR PLACERVILLE, CO

LOCATION.--Lat 38°02'33", long 108°07'54", in $NW^1/_4NE^1/_4$ sec.25, T.44 N., R.12 W., San Miguel County, Hydrologic Unit 14030003, on right bank 1.5 mi downstream from Specie Creek in vicinity of mile marker 88.68 on State Highway 145 and 4.5 mi northwest of Placerville.

DRAINAGE AREA.--310 mi^2.

PERIOD OF RECORD.--January to December 1909, September 1910 to November 1912, April 1930 to September 1934, April 1942 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "at Placerville," 1910-12. Statistical summary computed for 1911 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,030 ft above sea level, from topographic map. See WSP 1713 or 1733 for history of changes prior to Oct. 21, 1958. Oct. 22, 1958 to Mar. 4, 1986, gage located 0.8 mi upstream from present site, at different datum. Mar. 5, 1986, gage moved to present site, at present datum.

REMARKS.-- Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 1,700 acres upstream from station. One diversion from Fall Creek for irrigation of about 2,000 acres in Beaver and Saltado Creek basins. One small ditch diverts water from Leopard Creek to Uncompahgre River Basin. Slight regulation by Lake Hope and Trout lake operated by the City of Telluride, Public Service Company of Colorado, Pacific Light and Power Company, and Tri State Power Company, combined capacity, 5,040 acre-feet. Several measurements of specific conductance and water temperature were obtained and are published in the "supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	351	110	e86	e78	e74	85	116	492	981	212	100	136
2	308	115	e90	e75	e74	87	107	525	904	204	96	131
3	291	113	e90	e74	e80	83	110	614	824	203	98	121
4	293	113	e86	e75	e82	85	114	724	802	192	101	113
5	284	113	81	e76	e80	85	137	782	712	180	98	110
6	261	108	e86	e76	80	83	204	774	629	179	91	126
7	260	102	e83	e79	80	88	297	723	689	172	92	128
8	267	106	e80	e80	82	84	322	876	655	166	92	124
9	245	113	e82	e77	85	85	398	753	674	227	86	139
10	234	110	e85	e74	87	85	468	654	582	200	83	113
11	239	108	e82	e73	86	78	434	675	565	182	87	106
12	262	106	e81	e74	84	83	421	629	546	167	86	112
13	250	102	e80	e74	80	81	517	559	514	161	81	108
14	246	e92	e76	e74	82	85	572	519	531	155	89	105
15	228	e90	e83	e79	86	88	501	493	523	155	91	108
16	198	87	e94	e80	86	88	416	497	513	169	109	99
17	184	e86	e81	e83	85	88	505	518	411	187	101	89
18	188	e81	e80	e88	83	85	554	475	356	168	123	110
19	190	77	e81	e84	79	79	453	448	370	150	223	94
20	178	e82	e82	e82	77	88	400	430	371	143	167	82
21	166	e86	e84	e81	81	91	455	467	350	136	139	79
22	153	e83	e80	80	86	90	436	583	324	126	140	91
23	147	e80	e83	70	81	91	411	792	297	118	124	86
24	143	e78	e84	76	83	95	450	1000	291	122	120	94
25	141	e80	e80	79	81	97	451	955	285	121	120	91
26	128	e82	e80	83	75	99	495	796	282	121	135	88
27	113	e82	e78	88	77	106	558	702	284	118	132	90
28	105	e85	e80	e78	81	122	618	848	254	116	135	88
29	119	e85	e80	e76	84	122	589	1070	234	109	129	113
30	110	e86	e80	74	---	122	524	1070	228	102	138	119
31	107	---	e78	e74	---	121	---	1030	---	103	142	---
TOTAL	6389	2841	2556	2414	2361	2849	12033	21473	14981	4864	3548	3193
MEAN	206	94.7	82.5	77.9	81.4	91.9	401	693	499	157	114	106
MAX	351	115	94	88	87	122	618	1070	981	227	223	139
MIN	105	77	76	70	74	78	107	430	228	102	81	79
AC-FT	12670	5640	5070	4790	4680	5650	23870	42590	29710	9650	7040	6330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	114	84.4	69.2	63.7	63.4	77.4	236	572	796	450	217	144
MAX	399	138	104	101	94.2	148	593	1515	1528	1197	527	391
(WY)	1912	1985	1987	1998	1987	1997	1942	1958	1983	1983	1999	1999
MIN	50.9	51.4	40.8	38.3	37.1	46.4	79.6	136	186	104	83.4	63.8
(WY)	1957	1990	1977	1977	1990	1980	1951	1977	1934	1977	1972	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1911 - 2000	
ANNUAL TOTAL	120875		79502			
ANNUAL MEAN	331		217		240	
HIGHEST ANNUAL MEAN					414	1983
LOWEST ANNUAL MEAN					88.8	1977
HIGHEST DAILY MEAN	1200	Jun 17	1070	May 29	2740	Jun 21 1983
LOWEST DAILY MEAN	e60	Feb 23	70	Jan 23	26	Jan 5 1960
ANNUAL SEVEN-DAY MINIMUM	63	Feb 17	75	Jan 9	31	Dec 25 1976
INSTANTANEOUS PEAK FLOW			1270	May 30	a3830	Jun 24 1983
INSTANTANEOUS PEAK STAGE			4.43	May 30	b6.20	Jun 24 1983
ANNUAL RUNOFF (AC-FT)	239800		157700		173900	
10 PERCENT EXCEEDS	786		555		657	
50 PERCENT EXCEEDS	184		110		106	
90 PERCENT EXCEEDS	68		80		57	

e Estimated.
a Maximum discharge for period of record, 10000 ft^3/s, Sep 5, 1909, gage height not determined; result of failure of Trout and Middle Reservoir Dams.
b Maximum gage height for statistical period of record, 8.58 ft, May 24, 1984, site and datum then in use.

09174600 SAN MIGUEL RIVER AT BROOKS BRIDGE NEAR NUCLA, CO

LOCATION.--Lat 38°14'39", long 108°30'05", in $NE^1/_4NE^1/_4$ sec.15, T.46 N., R.15 W., Montrose County, Hydrologic Unit 14030003, on right bank at downstream side of Brooks Bridge, 0.5 mi upstream from Tri-State Power Plant, 3 mi upstream from Naturita Creek, and 4.4 mi northeast of Naturita.

DRAINAGE AREA.--736 mi^2.

PERIOD OF RECORD.--March 1995 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,570 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation of several thousand acres upstream from station and diversions upstream for an additional several thousand acres downstream from the gage. One small ditch diverts water from Leopard Creek to Uncompahgre River basin. Slight regulation by Lake Hope and Trout Lake (combined capacity, 5,040 acre-ft) operated by the City of Telluride, Public Service of Colorado, Pacific Light and Power Company, and Tri State Power Company. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	146	113	100	101	99	84	173	598	820	109	4.1	60
2	142	122	110	109	98	48	159	581	747	109	4.3	50
3	115	120	111	94	100	31	159	685	681	102	3.5	46
4	113	119	102	86	103	35	178	798	632	98	6.2	34
5	182	117	79	86	102	37	312	875	580	80	6.2	29
6	180	118	80	86	97	37	480	885	497	83	5.3	34
7	188	108	87	86	94	53	659	801	544	75	4.9	49
8	191	106	106	86	97	101	790	1040	530	68	5.6	43
9	184	118	104	86	95	97	879	1120	540	114	5.9	62
10	158	117	102	86	97	96	1140	816	476	110	5.3	45
11	153	115	99	87	99	88	979	795	437	93	5.3	34
12	168	112	85	86	91	90	844	719	416	75	5.7	34
13	166	111	64	85	84	89	1020	596	399	65	5.2	31
14	148	98	66	83	82	93	1110	524	466	61	4.8	28
15	143	88	68	87	89	99	958	467	421	55	6.7	29
16	140	44	69	96	89	101	742	447	393	56	8.3	28
17	126	25	80	91	93	99	814	461	311	89	11	17
18	123	26	94	103	90	98	994	418	244	83	11	13
19	136	26	83	114	84	88	752	390	234	52	79	26
20	133	24	74	106	79	101	586	351	256	39	91	11
21	134	40	69	101	85	104	667	356	237	34	52	6.9
22	133	57	58	103	93	102	612	434	211	26	48	8.8
23	130	97	56	96	90	102	542	624	184	15	39	15
24	119	97	75	81	90	107	614	907	185	9.8	28	9.7
25	117	82	74	100	89	119	618	902	176	11	25	13
26	125	93	86	109	80	129	647	743	163	11	30	11
27	126	116	96	102	83	147	724	598	171	14	39	9.1
28	122	106	95	96	84	188	811	682	170	11	35	8.8
29	123	98	112	90	91	204	791	916	135	9.0	41	12
30	124	106	116	76	---	213	716	983	122	7.2	43	28
31	112	---	106	75	---	193	---	916	---	3.7	64	---
TOTAL	4400	2719	2706	2873	2647	3173	20470	21428	11378	1767.7	723.3	825.3
MEAN	142	90.6	87.3	92.7	91.3	102	682	691	379	57.0	23.3	27.5
MAX	191	122	116	114	103	213	1140	1120	820	114	91	62
MIN	112	24	56	75	79	31	159	351	122	3.7	3.5	6.9
AC-FT	8730	5390	5370	5700	5250	6290	40600	42500	22570	3510	1430	1640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	154	108	96.1	94.7	91.2	224	685	969	879	449	223	119
MAX	208	129	106	106	108	486	1127	1317	1631	1059	539	267
(WY)	1998	1998	1998	1998	1997	1997	1997	1995	1995	1995	1999	1999
MIN	107	90.1	80.1	79.8	71.2	84.7	333	622	379	57.0	11.0	27.5
(WY)	1999	1996	1996	1999	1999	1996	1999	1996	2000	2000	1996	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	123619		75110.3			
ANNUAL MEAN	339		205		311	
HIGHEST ANNUAL MEAN					499	1997
LOWEST ANNUAL MEAN					178	1996
HIGHEST DAILY MEAN	1310	Jun 18	1140	Apr 10	a2370	Jun 17 1995
LOWEST DAILY MEAN	15	Feb 23	3.5	Aug 3	2.7	Sep 11 1996
ANNUAL SEVEN-DAY MINIMUM	35	Nov 16	4.8	Jul 31	3.6	Aug 14 1996
INSTANTANEOUS PEAK FLOW			1600	Apr 10	3290	Apr 24 1998
INSTANTANEOUS PEAK STAGE			4.78	Apr 10	b6.30	Apr 24 1998
ANNUAL RUNOFF (AC-FT)	245200		149000		225300	
10 PERCENT EXCEEDS	814		671		998	
50 PERCENT EXCEEDS	184		99		139	
90 PERCENT EXCEEDS	76		15		53	

a Also occurred Jun 18, 1995.
b Maximum gage height, 6.32 ft, Jun 17, 1995.

09177000 SAN MIGUEL RIVER AT URAVAN, CO

LOCATION.--Lat 38°21'26", long 108°42'44", in $SW^1/_4NE^1/_4$ sec.2, T.47 N., R.17 W., Montrose County, Hydrologic Unit 14030003, on right bank 20 ft downstream from bridge on State Highway 141, 400 ft downstream from Tabeguache Creek, and 1.5 mi southeast of Uravan.

DRAINAGE AREA.--1,499 mi^2.

PERIOD OF RECORD.--August 1954 to September 1962, October 1973 to September 1994, August 1996 to current year.

REVISED RECORDS.--WRD Colo. 1974: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,000 ft above sea level, from topographic map. Prior to Sept. 3, 1959, at site 0.5 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation of about 28,000 acres upstream from station, and return flow from irrigated areas. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 6, 1970, reached a stage of 12.6 ft, from floodmarks, discharge, 8,910 ft^3/s, by slope-area measurement at site 5.5 mi downstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	208	124	113	e110	116	116	238	913	905	150	27	116
2	206	130	118	e115	110	99	222	873	823	138	26	111
3	182	133	126	e110	111	89	219	994	757	129	25	98
4	172	131	119	99	117	79	232	1140	708	122	26	88
5	216	129	98	92	118	84	340	1240	662	107	27	76
6	214	130	91	e90	117	88	524	1250	597	101	26	71
7	219	122	109	e90	109	100	751	1130	606	91	25	89
8	224	118	120	93	109	143	901	1350	604	84	20	101
9	217	124	116	e100	116	133	984	1630	590	133	18	118
10	189	128	e116	e105	120	132	1430	1110	551	159	19	107
11	182	124	e110	e105	126	126	1250	1020	497	130	16	79
12	193	122	103	e105	119	119	1030	923	475	111	16	68
13	191	120	101	e105	111	122	1250	774	456	98	16	68
14	176	114	e100	e110	106	121	1410	674	496	88	17	64
15	169	111	94	e120	106	127	1220	612	476	91	25	59
16	165	82	108	e130	106	134	953	593	435	88	24	64
17	152	64	122	142	114	132	1010	583	381	111	26	60
18	146	58	122	146	120	131	1300	556	305	131	45	59
19	156	62	110	151	111	123	1020	528	297	94	53	64
20	155	55	105	137	106	127	781	482	318	77	154	71
21	150	74	93	126	109	142	879	463	293	70	110	50
22	150	81	93	129	115	142	849	520	265	58	90	44
23	148	126	77	109	118	141	787	680	237	54	85	38
24	141	99	94	102	116	141	886	954	238	39	72	51
25	135	99	100	120	118	153	909	1000	220	36	65	48
26	140	107	e105	152	108	163	948	839	208	38	63	50
27	141	127	112	143	107	181	1060	700	210	47	83	46
28	138	122	111	118	110	224	1190	727	213	39	88	43
29	138	114	121	97	114	263	1200	943	184	33	104	66
30	141	116	128	92	---	266	1070	1080	163	31	182	64
31	127	---	117	85	---	256	---	1020	---	30	121	---
TOTAL	5281	3246	3352	3528	3283	4397	26843	27301	13170	2708	1694	2131
MEAN	170	108	108	114	113	142	895	881	439	87.4	54.6	71.0
MAX	224	133	128	152	126	266	1430	1630	905	159	182	118
MIN	127	55	77	85	106	79	219	463	163	30	16	38
AC-FT	10470	6440	6650	7000	6510	8720	53240	54150	26120	5370	3360	4230

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	141	120	96.9	90.4	108	199	863	1204	1015	440	199	132
MAX	333	385	188	139	226	612	2154	3420	2361	1306	646	416
(WY)	1987	1987	1987	1985	1958	1997	1985	1984	1957	1957	1999	1982
MIN	30.6	60.9	49.6	49.9	54.1	66.8	110	86.6	177	87.4	37.2	16.8
(WY)	1957	1956	1977	1977	1990	1977	1977	1977	1977	2000	1994	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1954 - 2000	
ANNUAL TOTAL	154038		96934			
ANNUAL MEAN	422		265		385	
HIGHEST ANNUAL MEAN					758	1984
LOWEST ANNUAL MEAN					89.3	1977
HIGHEST DAILY MEAN	1800	May 1	1630	May 9	5440	May 16 1984
LOWEST DAILY MEAN	52	Feb 23	16	Aug 11	9.4	Aug 10 1977
ANNUAL SEVEN-DAY MINIMUM	68	Nov 16	17	Aug 8	14	Aug 8 1977
INSTANTANEOUS PEAK FLOW			2090	May 9	a8050	May 10 1983
INSTANTANEOUS PEAK STAGE			b5.73	May 9	10.14	May 10 1983
ANNUAL RUNOFF (AC-FT)	305500		192300		278900	
10 PERCENT EXCEEDS	1030		881		1080	
50 PERCENT EXCEEDS	233		121		138	
90 PERCENT EXCEEDS	99		55		59	

e Estimated.
a From rating curve extended above 4100 ft^3/s.
b Maximum gage height, 5.76 ft Apr 10, from channel change.

404417108524900 GREEN RIVER ABOVE GATES OF LODORE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°44'17", long 108°52'49", in $NE^1/_4SE^1/_4$ sec.17, T.9 N., R.102 W., Moffat County. Hydrologic Unit 14040106, in Dinousaur National Monument, 0.83 mi upstream from the Lodore Ranger Station, and 18 mi west of Greystone.

DRAINAGE AREA.-- Not determined.

PERIOD OF RECORD.-- SUSPENDED SEDIMENT AND BEDLOAD: May 1998 to current year.

REMARKS.-- Natural flow regulated by Flaming Gorge Reservoir. Upstream diversions for an unknown amount of irrigation.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
APR									
04...	1140	2350	57	362	61	70	89	100	--
18...	1045	1920	72	373	--	--	--	--	85
MAY									
02...	1027	2220	45	270	70	84	100	--	--
JUN									
01...	1315	4830	158	2060	31	51	64	100	--
JUL									
06...	1055	1340	27	98	--	--	--	--	74

BEDLOAD SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SEDI- MENT DIS- CHARGE, BEDLOAD (TONS/ DAY) (80225)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .062 MM (80226)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .125 MM (80227)
APR							
04...	1140	6.1	2350	679	392	0	0
18...	1045	8.6	1920	--	671	0	0
MAY							
02...	1027	10.7	2220	645	497	0	0
JUN							
01...	1315	12.5	4830	624	1330	0	0
JUL							
06...	1055	15.8	1340	640	228	0	0

DATE	SED. BEDLOAD SIEVE DIAM. % FINER THAN .250 MM (80228)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .500 MM (80229)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 1.00 MM (80230)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 2.00 MM (80231)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 4.00 MM (80232)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 8.00 MM (80233)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 16.0 MM (80234)
APR							
04...	1	48	83	93	98	100	100
18...	4	84	89	96	99	100	--
MAY							
02...	3	42	84	97	100	100	100
JUN							
01...	13	77	95	98	100	100	--
JUL							
06...	2	67	94	99	100	100	--

09237450 YAMPA RIVER ABOVE STAGECOACH RESERVOIR, CO

LOCATION.--Lat 40°16'09", long 106°52'49", in $SW^1/_4SW^1/_4$ sec.36, T.4 N., R.85 W., Routt County, Hydrologic Unit 14050001, on left bank 1.4 mi downstream from Jack Creek and 4.0 mi east of Oak Creek.

DRAINAGE AREA.--208 mi^2 (revised).

PERIOD OF RECORD.--October 1988 to current year. Water-quality data available, July 1984 to September 1992.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Elevation of gage is 7,240 ft above sea level, from topographic map.

REMARKS.--Records good except for the periods Apr. 10 to May 9 and July 19-27, which are fair, and estimated daily discharges, which are poor. Diversions for irrigation of about 12,000 acres upstream from station. Natural flow of stream affected by 2 diversions for irrigation to Egeria Creek into Colorado River basin and by storage in Stillwater, Yampa and YamColo Reservoirs (total capacity 15,820 acre-ft). Several measurements of specifc conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	56	55	e47	e50	e52	65	135	126	74	49	59
2	e63	54	50	e47	e50	e50	65	150	117	81	44	56
3	61	56	50	e46	e51	e48	60	146	99	78	53	52
4	59	54	55	e46	e50	e48	71	152	88	69	73	48
5	58	53	41	e48	e51	e50	122	136	80	64	74	46
6	58	51	40	e47	e52	e50	176	146	76	61	70	47
7	59	52	37	e46	e52	e52	159	162	77	58	65	45
8	64	53	38	e48	e51	e50	133	170	75	69	62	47
9	62	52	e40	e48	e52	52	139	156	67	100	57	48
10	61	51	e45	e46	e51	51	141	133	59	99	55	45
11	60	51	e47	e47	e50	48	125	142	58	91	52	44
12	57	52	e45	e45	e49	53	125	139	64	80	49	43
13	55	51	e40	e47	e49	48	123	127	68	78	48	41
14	55	52	e42	e47	e49	48	120	121	66	80	50	39
15	e57	52	e40	e46	e49	50	122	108	65	82	53	33
16	e57	51	e42	e45	e50	48	104	97	64	88	59	31
17	e57	51	e43	e47	e51	46	112	107	66	100	62	32
18	e58	57	e42	e48	e50	45	120	117	66	116	66	38
19	e58	52	e44	e49	e50	42	108	109	82	97	71	33
20	57	61	e45	e50	e50	47	96	91	115	98	66	33
21	57	57	e44	e48	e52	45	98	86	92	98	58	37
22	57	52	e43	e48	e52	44	111	83	84	97	58	64
23	55	44	e45	e48	e52	47	152	82	84	92	65	50
24	54	67	e45	e50	e50	52	153	103	88	91	63	46
25	56	63	e45	e50	e47	55	134	128	88	85	61	47
26	57	128	e46	e49	e48	62	124	169	94	77	61	48
27	56	90	e45	e48	e50	75	128	147	96	81	71	47
28	58	69	e46	e44	e52	87	144	119	100	e80	66	45
29	63	59	e48	e48	e52	89	154	153	89	e80	65	48
30	55	55	e47	e46	---	84	142	162	81	e80	70	48
31	56	---	e45	e48	---	72	---	133	---	e66	62	---
TOTAL	1805	1746	1380	1467	1462	1690	3626	4009	2474	2590	1878	1340
MEAN	58.2	58.2	44.5	47.3	50.4	54.5	121	129	82.5	83.5	60.6	44.7
MAX	65	128	55	50	52	89	176	170	126	116	74	64
MIN	54	44	37	44	47	42	60	82	58	58	44	31
AC-FT	3580	3460	2740	2910	2900	3350	7190	7950	4910	5140	3730	2660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	53.8	54.5	43.9	41.8	42.7	64.1	119	132	127	109	79.0	55.6
MAX	116	85.1	71.1	74.2	75.4	113	259	278	348	167	153	135
(WY)	1998	1998	1996	1996	1996	1998	1996	1996	1997	1995	1997	1997
MIN	32.0	32.0	29.2	21.4	29.4	38.7	48.7	38.5	39.4	50.4	43.1	28.5
(WY)	1995	1995	1990	1990	1991	1992	1995	1990	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	31335		25467			
ANNUAL MEAN	85.8		69.6		77.0	
HIGHEST ANNUAL MEAN					135	1997
LOWEST ANNUAL MEAN					44.6	1994
HIGHEST DAILY MEAN	205	Jun 16	176	Apr 6	582	Jun 9 1997
LOWEST DAILY MEAN	37	Dec 7	31	Sep 16	14	Jan 24 1990
ANNUAL SEVEN-DAY MINIMUM	41	Dec 5	34	Sep 15	15	Jan 22 1990
INSTANTANEOUS PEAK FLOW			239	Apr 6	765	Mar 26 1998
INSTANTANEOUS PEAK STAGE			a4.44	Apr 6	b5.96	Mar 26 1998
ANNUAL RUNOFF (AC-FT)	62150		50510		55760	
10 PERCENT EXCEEDS	143		123		142	
50 PERCENT EXCEEDS	76		57		58	
90 PERCENT EXCEEDS	45		45		32	

e Estimated.
a Maximum gage height 5.11 ft, Feb 20, backwater from ice.
b Maximum gage height, 7.31 ft, Dec 4, 1997, backwater from ice.

09237500 YAMPA RIVER BELOW STAGECOACH RESERVOIR, CO

LOCATION.--Lat 40°17'15", long 106°49'33", in $SE^1/_4NE^1/_4$ sec.29, T.4 N., R.84 W., Routt County, Hydrologic Unit 14050001, on left bank, 0.3 mi downstream from Stagecoach Reservoir, 1.0 mi downstream from Morrison Creek, and 6.5 mi east of Oak Creek.

DRAINAGE AREA.--228 mi^2 (revised).

PERIOD OF RECORD.--September 1939 to September 1944, monthly discharge only for some periods, published in WSP 1313; October 1956 to September 1972; October 1984 to current year. Water-quality data available, July 1984 to September 1992. Prior to October 1990, published as Yampa River near Oak Creek. Statistical summary computed for 1989 to current year.

REVISED RECORDS.--WDR CO-89-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,050 ft above sea level, from topographic map. Sept. 1939 to Nov. 15, 1939, nonrecording gage, Nov. 16, 1939 to Sept. 1944 and Oct. 1956 to Sept. 1972, water-stage recorder at site 0.5 mi upstream, at different datum.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated since Dec. 20, 1988, by Stagecoach Reservoir (capacity 33,275 acre-ft), 0.3 mi upstream. Diversions for irrigation of about 12,0000 acres upstream from station. Natural flow of stream affected by 2 diversions for irrigation to Egeria Creek into Colorado River basin and by storage in Stillwater, Yampa and YamColo Reservoirs (total capacity, 15,820 acre-ft). Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	85	68	59	75	95	86	79	91	67	78	81
2	69	85	68	59	75	95	86	82	91	67	77	78
3	69	84	70	69	77	98	84	82	90	67	75	81
4	86	84	59	69	74	94	80	82	90	68	76	83
5	86	84	56	68	68	94	82	83	91	68	76	81
6	86	69	67	68	65	97	82	82	89	68	78	81
7	84	67	67	70	76	95	84	83	85	67	75	81
8	84	83	67	62	75	95	83	84	77	64	76	81
9	70	83	67	59	77	95	83	75	63	64	76	81
10	72	83	67	68	77	98	85	61	65	65	73	82
11	86	83	55	68	77	97	85	53	65	66	73	75
12	86	83	55	70	66	98	85	46	64	66	61	67
13	85	66	67	73	66	96	86	63	62	65	62	67
14	85	66	67	72	78	89	87	81	62	66	70	68
15	85	82	66	62	82	80	87	67	62	66	67	68
16	68	77	66	61	82	87	87	83	62	66	67	68
17	69	71	66	72	84	87	86	90	58	65	74	68
18	86	71	54	72	84	86	83	89	62	70	81	69
19	86	70	54	72	75	85	73	90	62	75	84	69
20	86	57	66	72	75	87	61	90	62	76	85	69
21	86	58	66	73	85	87	66	90	62	81	84	69
22	86	70	66	62	85	86	76	89	63	88	85	69
23	69	70	66	63	89	86	76	88	61	88	85	68
24	68	69	66	73	93	86	66	81	63	86	85	68
25	85	60	55	74	93	86	65	70	63	85	87	68
26	86	69	55	74	92	86	64	71	63	83	86	68
27	86	57	67	74	93	87	73	73	63	80	86	67
28	86	57	67	75	96	87	79	75	65	80	84	67
29	86	69	67	64	95	87	76	73	60	78	82	67
30	68	68	67	63	---	87	79	79	61	79	82	66
31	68	---	68	74	---	87	---	88	---	79	81	---
TOTAL	2488	2180	1982	2114	2329	2800	2375	2422	2077	2253	2411	2175
MEAN	80.3	72.7	63.9	68.2	80.3	90.3	79.2	78.1	69.2	72.7	77.8	72.5
MAX	86	85	70	75	96	98	87	90	91	88	87	83
MIN	68	57	54	59	65	80	61	46	58	64	61	66
AC-FT	4930	4320	3930	4190	4620	5550	4710	4800	4120	4470	4780	4310

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	65.9	63.7	63.2	63.3	62.8	63.5	74.3	118	123	94.0	84.3	75.3
MAX	110	94.7	93.3	89.8	84.8	90.3	166	303	377	172	156	135
(WY)	1998	1996	1996	1998	1997	2000	1996	1996	1997	1995	1997	1997
MIN	25.8	37.3	38.7	37.2	30.0	18.0	32.3	12.4	12.8	22.3	34.4	31.8
(WY)	1991	1991	1989	1989	1989	1989	1989	1989	1989	1989	1989	1990

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	33142		27606			
ANNUAL MEAN	90.8		75.4		a79.3	
HIGHEST ANNUAL MEAN					134	1997
LOWEST ANNUAL MEAN					32.1	1989
HIGHEST DAILY MEAN	189	Jun 18	98	Mar 3	b611	Jun 9 1997
LOWEST DAILY MEAN	50	Apr 18	46	May 12	c9.4	Jun 1 1989
ANNUAL SEVEN-DAY MINIMUM	55	Jan 1	61	Jun 13	10	May 29 1989
INSTANTANEOUS PEAK FLOW			128	Apr 30	d641	Jun 11 1997
INSTANTANEOUS PEAK STAGE			2.42	Apr 30	f3.82	Jun 11 1997
ANNUAL RUNOFF (AC-FT)	65740		54760		57480	
10 PERCENT EXCEEDS	137		88		126	
50 PERCENT EXCEEDS	84		75		68	
90 PERCENT EXCEEDS	59		62		40	

a Average discharge for 25 years (water years 1940-44, 1957-72, 1985-88), 89.4 ft^3/s; 64770 acre-ft/yr, prior to completion of Stagecoach Reservoir.
b Maximum daily discharge for period of record, 1020 ft^3/s, Apr 16, 1962.
c Minimum daily discharge for period of record, 8.9 ft^3/s, May 22, 1963.
d Maximum discharge and stage for period of record, 1400 ft^3/s, Apr 16, 1962, gage height, 7.56 ft, from rating curve extended above 570 ft^3/s, site and datum then in use.
f Maximum gage height, 8.08 ft, Mar 8, 1987, backwater from ice.

09238900 FISH CREEK AT UPPER STATION, NEAR STEAMBOAT SPRINGS, CO

LOCATION.--Lat 40°28'30", long 106°47'11", in SE$^1/_4$SE$^1/_4$ sec.15, T.6 N., R.84 W., Routt County, Hydrologic Unit 14050001, on right bank 2.6 mi upstream from mouth, and 2.5 mi east of Steamboat Springs.

DRAINAGE AREA.--25.8 mi^2 (revised).

PERIOD OF RECORD.--October 1966 to September 1972, May 1982 to current year.

GAGE.--Water-stage recorder with satellite telemetry, and concrete control. Elevation of gage is 7,150 ft above sea level, from topographic map.

REMARKS.--Records good. Diversions upstream from station by Mount Werner Recreation District and City of Steamboat Springs for domestic use began in 1972 (see table below for figures of diversion). Natural flow of stream affected by storage in Fish Creek and Long lake Reservoir, combined capacity 2,237 acre-ft. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	5.4	3.5	1.6	2.5	3.1	8.4	129	717	45	7.6	5.3
2	4.0	5.7	3.6	1.5	2.7	3.1	9.0	160	593	42	7.8	3.8
3	3.7	5.4	2.5	2.3	2.1	2.9	8.6	192	563	37	7.8	2.9
4	3.7	3.4	2.8	2.5	1.7	3.6	10	227	632	32	5.0	2.4
5	3.5	3.7	2.5	2.3	1.7	4.2	16	274	595	27	3.0	2.6
6	3.5	3.8	2.1	2.4	1.7	4.5	18	287	589	22	4.1	2.9
7	4.2	3.6	1.6	2.2	2.4	4.7	17	254	580	21	2.5	2.7
8	4.7	3.9	2.4	2.3	2.7	4.3	19	230	536	22	3.8	2.5
9	3.0	3.7	2.2	2.0	2.2	4.1	29	221	495	29	3.8	3.4
10	1.7	3.8	2.2	2.6	2.4	3.9	35	240	412	24	3.8	2.5
11	1.1	3.9	2.4	3.3	2.7	3.9	39	266	365	19	3.7	2.2
12	2.0	2.8	2.4	2.7	3.0	3.7	46	178	318	15	3.9	2.1
13	2.1	2.1	2.4	2.6	2.8	3.1	50	146	333	13	4.4	1.6
14	3.2	2.9	2.7	2.4	3.8	3.7	55	134	276	12	5.0	3.9
15	2.5	3.5	3.0	2.3	3.7	3.1	53	129	239	11	4.6	5.8
16	3.1	2.6	2.5	2.1	2.9	3.9	40	159	203	12	6.7	4.1
17	3.1	2.9	2.8	2.0	2.8	3.5	46	202	168	17	7.9	4.4
18	4.3	e3.0	2.7	2.1	2.8	3.2	54	149	147	22	5.3	5.7
19	4.2	3.4	2.7	3.5	3.0	3.4	45	128	187	14	3.9	4.7
20	3.9	3.9	2.7	3.1	2.5	3.5	40	138	231	6.3	3.7	4.3
21	4.1	3.2	2.7	3.0	2.6	3.1	44	179	157	3.2	3.6	13
22	3.9	2.9	2.3	3.1	2.6	4.2	50	277	134	2.3	3.9	65
23	3.8	1.6	2.4	2.8	2.9	4.2	51	453	117	9.5	6.7	25
24	3.9	1.4	2.2	2.9	2.6	4.5	49	508	87	13	4.1	18
25	3.4	2.0	2.6	2.4	2.8	4.7	42	512	95	7.2	3.0	13
26	3.8	2.2	2.4	2.8	2.7	6.4	49	593	90	3.4	3.2	16
27	3.7	1.7	2.1	3.1	2.8	8.6	75	556	78	2.9	3.0	9.5
28	3.6	1.7	1.9	3.0	3.0	11	97	588	68	2.8	3.4	8.2
29	4.6	1.6	1.7	2.7	3.3	11	117	690	59	4.7	2.7	7.2
30	4.6	1.7	1.6	2.6	---	10	121	678	50	8.3	6.9	6.0
31	4.8	---	1.6	2.6	---	9.2	---	632	---	7.5	8.1	---
TOTAL	109.8	93.4	75.2	78.8	77.4	150.3	1333.0	9509	9114	507.1	146.9	250.7
MEAN	3.54	3.11	2.43	2.54	2.67	4.85	44.4	307	304	16.4	4.74	8.36
MAX	4.8	5.7	3.6	3.5	3.8	11	121	690	717	45	8.1	65
MIN	1.1	1.4	1.6	1.5	1.7	2.9	8.4	128	50	2.3	2.5	1.6
AC-FT	218	185	149	156	154	298	2640	18860	18080	1010	291	497
a	137	136	168	183	174	199	136	191	374	469	429	234

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	11.7	10.6	7.93	6.19	5.76	9.36	35.0	211	381	85.8	9.57	10.7
MAX	51.9	31.6	23.3	19.2	15.8	17.0	59.0	358	580	331	21.6	74.0
(WY)	1998	1998	1998	1998	1998	1998	1987	1969	1997	1995	1997	1997
MIN	2.52	3.07	2.43	2.46	2.67	4.85	8.21	85.5	124	9.82	.86	.73
(WY)	1993	1989	2000	1989	2000	2000	1983	1983	1987	1987	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1967 - 2000	
ANNUAL TOTAL	19590.4		21445.6			
ANNUAL MEAN	53.7		58.6			
HIGHEST ANNUAL MEAN					98.6	1984
LOWEST ANNUAL MEAN					41.6	1989
HIGHEST DAILY MEAN	505	Jun 19	717	Jun 1	814	Jun 21 1968
LOWEST DAILY MEAN	1.1	Oct 11	1.1	Oct 11	.01	Aug 7 1972
ANNUAL SEVEN-DAY MINIMUM	1.7	Nov 23	1.7	Dec 27	.11	Aug 7 1972
INSTANTANEOUS PEAK FLOW			854	May 29	1110	Jun 20 1968
INSTANTANEOUS PEAK STAGE			2.83	May 29	3.14	Jun 20 1968
ANNUAL RUNOFF (AC-FT)	38860		42540			
10 PERCENT EXCEEDS	235		195		241	
50 PERCENT EXCEEDS	5.0		3.9		9.9	
90 PERCENT EXCEEDS	2.6		2.2		3.4	

e Estimated.
a Diversions, in acre-feet, by Mount Werner Water and Sanitation District, and City of Steamboat Springs.

09239500 YAMPA RIVER AT STEAMBOAT SPRINGS, CO

LOCATION.--Lat 40°29'01", long 106°49'54", in $NW^1/_4NE^1/_4$ sec.17, T.6 N., R.84 W., Routt County, Hydrologic Unit 14050001, on left bank 30 ft upstream from Fifth Street Bridge in Steamboat Springs and 0.6 mi upstream from Soda Creek.

DRAINAGE AREA.--568 mi^2 (revised).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1904 to October 1906, October 1909 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 764: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,695.47 ft above sea level. Prior to May 8, 1905, nonrecording gage at bridge 0.2 mi upstream at datum 4.16 ft higher. May 8, 1905 to Oct. 31, 1906, nonrecording gage on bridge 30 ft upstream at datum 0.44 ft higher. Mar. 8, 1910 to Sept. 11, 1934, water-stage recorder on right bank, 60 ft downstream, at datum 0.44 ft higher. Sept. 11, 1934 to Aug. 17, 1988, water-stage recorder on right bank, 60 ft downstream, at present datum.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by two diversions for irrigation to Egeria Creek in Colorado River basin, one diversion for irrigation from Trout Creek drainage to Oak Creek drainage, irrigation of about 19,700 acres upstream from station, and by storage in Stillwater, Yampa, YamColo, Stagecoach, and Catamount Reservoirs, (total capacity 56,895 acre-ft) and pumping of water to ski area for snow making during winter.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	115	115	105	137	137	234	1160	3450	255	108	130
2	129	122	114	102	130	139	244	1270	2880	243	110	120
3	116	124	112	98	131	157	222	1480	2600	229	106	111
4	112	122	108	98	127	174	233	1680	2560	213	103	110
5	121	124	108	95	124	177	308	1930	2380	195	100	109
6	126	121	107	91	119	190	414	2110	2220	180	99	107
7	133	113	98	87	117	205	467	2090	2120	164	97	104
8	134	124	98	111	110	199	457	1980	1960	158	93	106
9	128	150	96	107	111	195	555	1750	1810	176	93	108
10	116	152	99	106	111	191	750	1690	1530	169	91	106
11	112	168	96	109	113	188	804	1970	1340	153	88	103
12	115	176	95	111	111	185	734	1650	1180	138	86	96
13	118	174	100	109	113	185	713	1350	1190	128	78	89
14	121	174	103	118	112	183	711	1230	1030	124	73	84
15	123	173	99	126	114	172	780	1200	908	122	72	80
16	120	177	104	123	111	175	677	1320	812	120	82	76
17	107	189	105	123	112	174	628	1680	693	132	87	73
18	107	197	102	126	112	176	701	1430	618	164	92	83
19	118	185	105	142	112	175	680	1260	712	155	109	87
20	125	188	102	124	111	170	611	1260	963	136	118	91
21	127	190	102	119	112	175	590	1440	694	123	118	108
22	125	171	100	116	115	182	660	1780	566	121	110	306
23	124	142	103	114	115	186	867	2310	497	124	111	230
24	115	134	104	116	118	203	943	2970	435	124	106	183
25	107	124	107	121	127	207	792	3070	424	122	101	144
26	116	126	113	122	126	231	707	3570	404	120	99	133
27	119	128	109	125	128	250	817	3250	357	119	101	120
28	120	126	107	128	135	261	1030	3260	318	118	104	113
29	131	126	116	128	136	269	1200	3820	297	116	108	109
30	125	122	106	131	---	260	1220	3860	276	114	125	105
31	115	---	101	126	---	232	---	3620	---	112	135	---
TOTAL	3735	4457	3234	3557	3450	6003	19749	64440	37224	4667	3103	3524
MEAN	120	149	104	115	119	194	658	2079	1241	151	100	117
MAX	134	197	116	142	137	269	1220	3860	3450	255	135	306
MIN	107	113	95	87	110	137	222	1160	276	112	72	73
AC-FT	7410	8840	6410	7060	6840	11910	39170	127800	73830	9260	6150	6990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	136	127	105	101	103	168	658	1734	1817	368	153	111
MAX	378	274	205	190	176	433	1675	3350	3771	1684	387	432
(WY)	1998	1998	1998	1998	1998	1910	1962	1984	1917	1957	1984	1997
MIN	49.6	69.3	56.6	45.0	50.0	73.5	236	702	141	16.2	40.5	19.5
(WY)	1935	1978	1916	1916	1916	1964	1995	1977	1934	1934	1931	1944

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1910 - 2000	
ANNUAL TOTAL	159259		157143			
ANNUAL MEAN	436		429		466	
HIGHEST ANNUAL MEAN					821	1984
LOWEST ANNUAL MEAN					169	1977
HIGHEST DAILY MEAN	2820	May 30	3860	May 30	5870	Jun 14 1921
LOWEST DAILY MEAN	95	Dec 12	72	Aug 15	a4.0	Sep 8 1934
ANNUAL SEVEN-DAY MINIMUM	97	Dec 7	81	Aug 11	4.9	Sep 9 1944
INSTANTANEOUS PEAK FLOW			4620	May 29	b6820	Jun 14 1921
INSTANTANEOUS PEAK STAGE			6.82	May 29	c7.08	Jun 14 1921
ANNUAL RUNOFF (AC-FT)	315900		311700		337700	
10 PERCENT EXCEEDS	1300		1280		1520	
50 PERCENT EXCEEDS	161		126		138	
90 PERCENT EXCEEDS	108		100		75	

a Also occurred Sep 10-13, 1944.
b Present datum, from rating curve extended above 4800 ft^3/s.
c Maximum gage height, 7.65 ft, Jun 3, 1997.

09239500 YAMPA RIVER AT STEAMBOAT SPRINGS, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1990 to September 1993, October 1996 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT											
20...	1105	120	317	8.5	4.6	10.9	K5	K4	140	36.6	12.6
MAR											
08...	1000	196	308	8.2	.1	11.9	K18	K15	140	36.1	11.6
13...	1530	186	307	8.8	6.0	11.8	--	--	150	38.5	12.4
JUN											
22...	1500	545	73	7.0	16.0	7.8	26	27	29	7.98	2.20
AUG											
17...	1000	87	242	8.5	19.1	7.7	58	27	110	27.8	8.93

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT										
20...	9.2	.3	2.0	131	32.3	3.5	.2	13.2	188	.26
MAR										
08...	9.2	.3	1.9	127	27.4	4.8	.1	14.5	183	.25
13...	9.1	.3	2.0	144	29.5	4.0	.1	14.7	189	.26
JUN										
22...	2.6	.2	.8	29	5.7	.9	<.1	8.2	46	.06
AUG										
17...	8.0	.3	1.7	99	19.5	3.5	.2	10.5	140	.19

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
OCT										
20...	61.0	<.010	<.050	<.020	.27	.19	.020	.011	<.010	--
MAR										
08...	96.6	.003	.208	<.002	.32	.21	E.044	.021	.010	--
13...	94.9	<.010	.127	<.020	--	.22	--	<.050	.011	3.9
JUN										
22...	65.1	<.001	<.005	.003	.33	.22	.026	.009	<.001	--
AUG										
17...	32.9	.001	<.005	.008	.41	.33	.065	.046	.034	--

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT										
20...	<.1	<1	330	<1	106	76	<.2	<2.4	<.2	<20
MAR										
08...	<.1	<1	400	<1	87	80	<.2	<2.4	<.2	<20
JUN										
22...	<.1	<1	250	<1	19	4	<.2	<2.4	<.2	<20
AUG										
17...	<.1	<1	250	<1	48	13	<.2	<2.4	<.2	<20

09239500 YAMPA RIVER AT STEAMBOAT SPRINGS, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
04...	1215	114	306	9.3
NOV				
08...	0955	107	316	4.0
29...	1045	123	333	1.3
JAN				
19...	1000	144	296	.4
FEB				
29...	1305	133	312	4.6
MAR				
14...	1125	185	328	2.0
APR				
11...	0930	737	235	3.7
MAY				
16...	1420	1240	75	11.5
31...	0655	3500	42	6.7
JUL				
11...	1130	160	152	20.8
AUG				
15...	1540	67	263	22.2
SEP				
25...	1305	137	259	10.4

09240900 ELK RIVER ABOVE CLARK, CO

LOCATION.--Lat 40°44'36", long 106°51'17", in $SE^{1}/_{4}NW^{1}/_{4}$ sec.18, T.9 N., R.84 W., Routt County, Hydrologic Unit 14050001, on right bank 0.7 mi downstream from Coulton Creek, 1.5 mi upstream from Willow Creek, and 4.2 mi northeast of Clark.

DRAINAGE AREA.--122 mi^2.

PERIOD OF RECORD.--October 1987 to September 1993. April 1998 to current year (seasonal records only).

REVISED RECORDS.--WDR CO-92-2: 1991.

GAGE.--Water-stage recorder. Elevation of gage is 7,520 ft above sea level, from topographic map. Prior to Apr. 1998 at site 90 ft upstream at same datum.

REMARKS.--No estimated daily discharges. Records fair. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

AVERAGE DISCHARGE.--5 years (water years 1988-93), 200 ft^3/s; 144,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (occurred during period of seasonal record), 2,680 ft^3/s, May 29, 2000, gage height, 4.70 ft; maximum gage height, 6.13 ft, June 16, 1993, at site then in use; minimum daily, 17 ft^3/s, Nov. 9, 10, and 13, 1987.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 2,680 ft^3/s, May 29 at 2130, gage height, 4.70 ft; minimum daily, 34 ft^3/s Sept. 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	44	657	1770	307	73	58
2	---	---	---	---	---	---	44	812	1510	298	70	54
3	---	---	---	---	---	---	42	978	1440	280	69	47
4	---	---	---	---	---	---	45	1130	1380	258	68	45
5	---	---	---	---	---	---	61	1310	1370	237	67	43
6	---	---	---	---	---	---	67	1330	1350	222	65	47
7	---	---	---	---	---	---	64	1150	1330	210	61	43
8	---	---	---	---	---	---	63	897	1250	202	59	43
9	---	---	---	---	---	---	80	707	1180	225	57	56
10	---	---	---	---	---	---	94	873	1020	200	55	45
11	---	---	---	---	---	---	108	899	904	186	57	41
12	---	---	---	---	---	---	128	642	833	172	54	39
13	---	---	---	---	---	---	156	550	799	161	54	39
14	---	---	---	---	---	---	187	539	692	156	53	37
15	---	---	---	---	---	---	183	595	700	148	52	36
16	---	---	---	---	---	---	154	725	674	142	58	35
17	---	---	---	---	---	---	181	842	539	144	56	34
18	---	---	---	---	---	---	235	645	503	152	56	43
19	---	---	---	---	---	---	195	589	594	129	57	41
20	---	---	---	---	---	---	171	665	725	119	53	40
21	---	---	---	---	---	---	199	787	525	111	51	42
22	---	---	---	---	---	---	242	983	496	106	50	184
23	---	---	---	---	---	---	257	1400	472	101	57	146
24	---	---	---	---	---	---	278	1640	448	97	50	109
25	---	---	---	---	---	---	230	1420	431	94	54	81
26	---	---	---	---	---	---	277	1760	404	91	58	87
27	---	---	---	---	---	---	407	1490	445	89	56	79
28	---	---	---	---	---	---	536	1650	389	85	59	74
29	---	---	---	---	---	---	610	2140	343	81	53	73
30	---	---	---	---	---	---	638	2030	321	78	62	78
31	---	---	---	---	---	---	---	1970	---	75	67	---
TOTAL	---	---	---	---	---	---	5976	33805	24837	4956	1811	1819
MEAN	---	---	---	---	---	---	199	1090	828	160	58.4	60.6
MAX	---	---	---	---	---	---	638	2140	1770	307	73	184
MIN	---	---	---	---	---	---	42	539	321	75	50	34
AC-FT	---	---	---	---	---	---	11850	67050	49260	9830	3590	3610

09241000 ELK RIVER AT CLARK, CO

LOCATION.--Lat 40°43'03", long 106°54'55", in $NW^1/_4NW^1/_4$ sec.27, T.9 N., R.85 W., Routt County, Hydrologic Unit 14050001, on left bank 15 ft downstream from bridge on State Highway 129, 0.8 mi north of Clark, and 2.0 mi upstream from Cottonwood Gulch.

DRAINAGE AREA.--216 mi^2.

PERIOD OF RECORD.--May 1910 to September 1922 (published as "near Clark"), April 1930 to September 1991. Monthly discharge only for some periods, published in WSP 1313. April 1998 to current year (seasonal records only).

REVISED RECORDS.--WSP 1733: 1956. WDR CO-88-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,267.75 ft above sea level (State Highway bench mark). May 1910 to Sept. 1922, nonrecording gage at site 30 ft upstream at datum 0.15 ft lower. Apr. 23, 1930 to Sept. 27, 1934, water-stage recorder at present site at datum 0.15 ft lower.

REMARKS.--No estimated daily discharges. Records fair. Diversions upstram from station for irrigation of about 230 acres upstream from and about 460 acres downstream from station. Natural flow of stream affected by storage in Lester Creek Reservoir (known also as Pearl Lake), capacity, 5,660 acre-ft, since 1963, and Steamboat Lake, capacity, 23,060 acre-ft, since 1968. Several measurements for specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report

AVERAGE DISCHARGE.--73 years (water years 1910-22, 1930-91), 333 ft^3/s; 241,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,910 ft^3/s, May 23, 1984, gage height, 6.12 ft; minimum daily determined, 22ft^3/s, Dec. 12, 1963, but a lesser discharge may have occurred during periods of no gage height record prior to 1939.

EXTREMES FOR CURRENT YEAR (seasonal only).--Maximum discharge, 3,420 ft^3/s, May 29 at 2300, gage height, 5.35 ft; minimum daily, 49 ft^3/s, Sept. 5, 7, and 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	58	1120	2180	301	80	76
2	---	---	---	---	---	---	58	1260	1800	293	77	59
3	---	---	---	---	---	---	56	1400	1600	276	74	53
4	---	---	---	---	---	---	60	1460	1500	257	74	51
5	---	---	---	---	---	---	79	1520	1430	237	73	49
6	---	---	---	---	---	---	90	1470	1410	219	71	52
7	---	---	---	---	---	---	92	1330	1370	207	68	49
8	---	---	---	---	---	---	96	1130	1290	199	66	49
9	---	---	---	---	---	---	120	933	1220	222	63	62
10	---	---	---	---	---	---	152	1140	1050	200	62	51
11	---	---	---	---	---	---	247	1120	914	187	63	50
12	---	---	---	---	---	---	276	890	835	172	60	69
13	---	---	---	---	---	---	310	838	794	162	60	69
14	---	---	---	---	---	---	354	810	685	157	59	68
15	---	---	---	---	---	---	350	859	689	149	58	67
16	---	---	---	---	---	---	311	975	660	144	63	65
17	---	---	---	---	---	---	358	1070	534	146	64	67
18	---	---	---	---	---	---	433	892	494	155	80	76
19	---	---	---	---	---	---	366	798	595	132	81	71
20	---	---	---	---	---	---	328	861	717	121	79	70
21	---	---	---	---	---	---	379	1070	507	115	75	74
22	---	---	---	---	---	---	445	1290	476	123	72	240
23	---	---	---	---	---	---	493	1720	451	121	79	191
24	---	---	---	---	---	---	522	1890	428	116	71	151
25	---	---	---	---	---	---	483	1660	412	112	76	117
26	---	---	---	---	---	---	645	2060	390	110	81	124
27	---	---	---	---	---	---	853	1720	423	108	81	115
28	---	---	---	---	---	---	1020	1910	374	104	83	110
29	---	---	---	---	---	---	1130	2610	335	102	75	110
30	---	---	---	---	---	---	1120	2660	314	89	86	116
31	---	---	---	---	---	---	---	2550	---	82	90	---
TOTAL	---	---	---	---	---	---	11284	43016	25877	5118	2244	2571
MEAN	---	---	---	---	---	---	376	1388	863	165	72.4	85.7
MAX	---	---	---	---	---	---	1130	2660	2180	301	90	240
MIN	---	---	---	---	---	---	56	798	314	82	58	49
AC-FT	---	---	---	---	---	---	22380	85320	51330	10150	4450	5100

09242500 ELK RIVER NEAR MILNER, CO

LOCATION.--Lat 40°30'53", long 106°57'12", in $NW^1/_4NW^1/_4$ sec.5, T.6 N., R.85 W., Routt County, Hydrologic Unit 14050001, on left bank 30 ft downstream from bridge on County Road 44, 2.5 mi upstream from mouth, and 3.2 mi east of Milner.

DRAINAGE AREA.--460 mi^2 (revised).

PERIOD OF RECORD.--May 1904 to September 1927 (published as "near Trull"). April 1990 to current year. Records for 1910-27 furnished by State Engineer of Colorado. Monthly discharge only for some periods, published in WSP 1313. Water-quality data available, August 1975 to September 1976 and April 1990 to September 1997.

REVISED RECORDS.--WDR CO-98-2: 1997 (M).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,590 ft above sea level, from topographic map. May 1904 to Sept. 1909, nonrecording gage, at different datum, Oct. 1910 to Sept. 1927, water-stage recorder at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. During high flows, channel overflow may occur and cause some streamflow to bypass gage. Diversions upstream from station for irrigation of about 6,500 acres upstream from and about 1,000 acres downstream from station. Natural flow of stream affected by storage in Lester Creek Reservoir (known also as Pearl lake), capacity, 5,660 acre-ft, since 1963, and Steamboat lake, capacity, 23,060 acre-ft, since 1968. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	e74	e75	e62	e58	e85	186	2050	3660	430	83	92
2	90	e74	e78	e62	e58	e86	195	2310	2990	416	79	71
3	89	e74	e75	e62	e58	e87	170	2640	2750	382	77	61
4	88	e72	e72	e62	e58	e88	187	2810	2560	343	78	53
5	86	e72	e70	e61	e59	e88	337	3070	2430	308	81	49
6	108	e72	e73	e61	e59	e89	524	3150	2370	280	79	50
7	128	e71	e76	e61	e60	e89	543	2800	2330	263	70	48
8	116	67	e73	e62	e60	e90	490	2310	2180	252	62	39
9	109	65	e72	e61	e60	e90	589	1830	2060	275	60	46
10	103	57	e70	e61	e59	e90	691	2070	1810	266	58	48
11	100	56	e70	e61	e58	e90	765	2300	1580	228	50	45
12	98	55	e70	e61	e60	e90	818	1750	1440	214	50	52
13	97	51	e70	e60	e62	e90	868	1530	1370	198	49	57
14	109	51	e69	e60	e61	e92	944	1440	1150	187	47	57
15	112	53	e69	e60	e63	e92	936	1480	1160	184	44	60
16	111	51	e67	e60	e60	e92	745	1640	1150	178	46	62
17	98	57	e67	e60	e61	e92	836	2020	880	181	54	63
18	110	87	e67	e60	e61	92	1050	1620	814	210	60	82
19	113	59	e66	e60	e61	84	858	1410	950	169	69	94
20	109	55	e65	e59	e60	89	745	1440	1320	149	70	86
21	112	70	e65	e58	e61	81	814	1640	897	138	70	96
22	85	67	e65	e58	e64	85	981	1920	820	138	65	383
23	71	65	e64	e58	e64	99	1130	2570	756	137	75	326
24	68	e66	e64	e59	e67	118	1280	3360	688	123	73	247
25	66	e68	e64	e59	e76	123	1010	2790	670	129	71	191
26	65	e72	e63	e60	e75	147	1180	3420	615	124	75	182
27	64	e70	e63	e62	e77	171	1550	2880	611	120	79	168
28	67	e71	e63	e59	e82	213	1910	3000	582	119	81	157
29	75	e73	e64	e58	e84	255	2150	3960	496	111	69	153
30	e76	e74	e63	e59	---	254	2090	4290	454	106	84	166
31	e76	---	e62	e59	---	205	---	4020	---	89	104	---
TOTAL	2891	1969	2114	1865	1846	3536	26572	75520	43543	6447	2112	3284
MEAN	93.3	65.6	68.2	60.2	63.7	114	886	2436	1451	208	68.1	109
MAX	128	87	78	62	84	255	2150	4290	3660	430	104	383
MIN	64	51	62	58	58	81	170	1410	454	89	44	39
AC-FT	5730	3910	4190	3700	3660	7010	52710	149800	86370	12790	4190	6510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	146	113	93.8	89.4	91.8	172	741	2131	2245	702	172	117
MAX	424	234	154	135	145	320	1214	3977	3824	1940	445	518
(WY)	1919	1919	1998	1998	1921	1916	1919	1920	1917	1917	1912	1997
MIN	58.9	58.0	48.8	51.5	45.9	52.0	377	940	767	160	59.6	33.1
(WY)	1993	1991	1993	1992	1991	1991	1995	1990	1992	1994	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1905 - 2000	
ANNUAL TOTAL	202111		171699			
ANNUAL MEAN	554		469		575	
HIGHEST ANNUAL MEAN					886	1917
LOWEST ANNUAL MEAN					282	1992
HIGHEST DAILY MEAN	4070	May 31	4290	May 30	5350	Jun 15 1921
LOWEST DAILY MEAN	51	Nov 13	39	Sep 8	a17	Sep 12 1994
ANNUAL SEVEN-DAY MINIMUM	53	Nov 10	46	Sep 5	21	Sep 7 1994
INSTANTANEOUS PEAK FLOW			5020	May 30	b5740	Jun 3 1997
INSTANTANEOUS PEAK STAGE			6.74	May 30	c7.18	Jun 3 1997
ANNUAL RUNOFF (AC-FT)	400900		340600		416600	
10 PERCENT EXCEEDS	2080		1670		1960	
50 PERCENT EXCEEDS	120		86		135	
90 PERCENT EXCEEDS	68		58		65	

e Estimated.
a A lesser discharge may have occurred during periods of no gage-height record prior to Sep 20, 1919.
b Peak discharge includes 370 ft^3/s overflow that bypassed the main channel.
c Gage height reflects the discharge flowing in the main channel (5370 ft^3/s).

09243700 MIDDLE CREEK NEAR OAK CREEK, CO

LOCATION.--Lat 40°23'08", long 106°59'33", in $SW^1/_4SW^1/_4$ sec.13, T.5 N., R.86 W., Routt County, Hydrologic Unit 14050001, on left bank 1.1 mi upstream from mouth of Foidel Creek and 13.5 mi northwest of Oak Creek.

DRAINAGE AREA.--23.5 mi^2.

PERIOD OF RECORD.--October 1975 to September 1981, April 1982 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,720 ft above sea level, from topographic map. Oct. 1975 to Oct. 1, 1996, water-stage recorder at site 70 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.29	.54	e.44	.27	.59	e1.1	1.4	11	1.4	.25	.00	.25
2	.30	.68	.35	.28	.61	1.1	1.5	9.1	1.4	.24	.00	.21
3	.25	.57	.38	.29	.61	e1.1	1.4	8.2	1.4	.24	.00	.16
4	.25	.58	e.45	.32	.64	e1.2	1.5	7.5	1.3	.24	.00	.12
5	.26	.59	e.40	.32	.59	e1.2	3.5	7.0	1.2	.24	.00	.06
6	.27	.64	e.40	.32	.59	e1.3	6.4	6.4	1.1	.21	.00	.04
7	.25	.53	.25	.29	.58	e1.3	6.5	6.2	1.1	.21	.00	.03
8	.27	.39	.24	.35	.52	e1.4	5.5	7.8	1.0	.24	.00	.04
9	.28	.37	.25	.30	.51	e1.3	5.9	7.7	1.0	.40	.00	.05
10	.28	.58	.29	.27	.56	e1.4	6.8	5.2	.98	.40	.00	.04
11	.27	.57	.33	.32	.58	e1.4	6.3	4.9	.97	.26	.00	.03
12	.23	.52	.30	.45	.54	1.5	5.8	5.6	.90	.23	.00	.04
13	.21	.47	.26	.53	.40	e1.1	5.9	4.8	.79	.22	.17	.02
14	.22	.54	.27	.63	.48	e.85	6.4	4.6	.78	.19	.81	.01
15	.21	.45	.39	.73	.40	.87	7.1	4.4	.82	.14	.66	.00
16	.26	.44	.47	.70	.50	e1.0	6.4	4.2	.80	.13	.71	.00
17	.31	.70	.57	.66	.55	e.90	6.1	4.3	.57	.16	.86	.00
18	.32	.64	.50	.99	.48	e.90	6.5	5.3	.67	.27	1.0	.01
19	.41	e.70	.56	e.90	.43	e.80	6.6	4.3	.66	.18	1.3	.00
20	.38	.84	.58	e1.0	.42	.92	5.7	3.7	.56	.12	2.2	.00
21	.40	e.70	.64	.84	.50	e.80	5.4	3.5	.47	.10	2.6	.03
22	.35	.47	.64	e1.0	.52	e.80	6.1	3.2	.41	.08	1.0	.63
23	.33	e.70	.64	e1.0	.43	.83	11	2.9	.39	.06	.82	.42
24	.30	.77	.60	e.80	.52	.97	15	2.8	.38	.05	1.0	.38
25	.34	.24	.60	.74	.56	1.1	16	3.3	.38	.04	.94	.24
26	.29	.28	.60	.76	.49	1.3	14	3.7	.50	.03	1.1	.20
27	.28	e.40	.56	e.60	.49	1.6	13	3.4	.41	.04	.86	.18
28	.47	e.40	.50	e.60	.73	1.8	13	2.7	.35	.03	.81	.16
29	.68	e.40	.41	e.65	.54	2.1	13	2.2	.28	.02	.76	.16
30	.74	e.45	.33	.76	---	2.0	12	1.9	.27	.00	.72	.18
31	.73	---	.28	.47	---	1.6	---	1.7	---	.00	.46	---
TOTAL	10.43	16.15	13.48	18.14	15.36	37.54	221.7	153.5	23.24	5.02	18.78	3.69
MEAN	.34	.54	.43	.59	.53	1.21	7.39	4.95	.77	.16	.61	.12
MAX	.74	.84	.64	1.0	.73	2.1	16	11	1.4	.40	2.6	.63
MIN	.21	.24	.24	.27	.40	.80	1.4	1.7	.27	.00	.00	.00
AC-FT	21	32	27	36	30	74	440	304	46	10	37	7.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.50	.65	.57	.55	.73	1.96	12.8	24.4	5.84	1.89	1.19	.40
MAX	1.85	1.98	1.83	1.85	2.46	7.90	41.9	98.2	26.1	5.89	9.06	2.52
(WY)	1998	1985	1985	1985	1986	1986	1996	1984	1984	1984	1995	1997
MIN	.000	.000	.000	.000	.000	.67	1.01	1.00	.49	.092	.000	.000
(WY)	1978	1978	1978	1977	1978	1991	1977	1981	1990	1989	1977	1976

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1976 - 2000	
ANNUAL TOTAL	1260.09		537.03			
ANNUAL MEAN	3.45		1.47		4.33	
HIGHEST ANNUAL MEAN					13.2	1984
LOWEST ANNUAL MEAN					.50	1977
HIGHEST DAILY MEAN	31	May 1	16	Apr 25	297	May 14 1984
LOWEST DAILY MEAN	.21	Oct 13	a.00	Jul 30	a.00	Oct 1 1975
ANNUAL SEVEN-DAY MINIMUM	.24	Oct 10	.00	Jul 30	.00	Oct 1 1975
INSTANTANEOUS PEAK FLOW			18	Apr 24	b329	May 14 1984
INSTANTANEOUS PEAK STAGE			c1.39	Apr 24	d4.08	May 14 1984
ANNUAL RUNOFF (AC-FT)	2500		1070		3130	
10 PERCENT EXCEEDS	9.0		5.2		11	
50 PERCENT EXCEEDS	.81		.56		.78	
90 PERCENT EXCEEDS	.33		.06		.00	

e Estimated.
a No flow many days most years.
b From rating curve extended above 77 ft^3/s.
c Maximum gage height, 1.77 ft, Mar 17, backwater from ice.
d Maximum gage height, 4.34 ft, Apr 24, 1996.

09243800 FOIDEL CREEK NEAR OAK CREEK, CO

LOCATION.--Lat 40°20'45", long 107°05'04", in $NW^1/_4SW^1/_4$ sec.31, T.5 N., R.86 W., Routt County, Hydrologic Unit 14050001, on right bank 2.3 mi downstream from Reservoir No. 1, 6.9 mi upstream from mouth, and 8.7 mi northwest of Oak Creek.

DRAINAGE AREA.--8.61 mi^2.

PERIOD OF RECORD.--October 1975 to October 1981, April 1982 to September 1983, October 1984 to current year. Water-quality data available, September 1975 to September 1983, and October 1984 to September 1993. Daily record for specific conductance and water temperature available, May 1976 to September 1981, April 1982 to September 1983, and March 1986 to September 1988.

GAGE.--Water-stage recorder. Elevation of gage is 6,880 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharge, which are poor. Natural flow of stream effected by Reservoir No. 1, which is 2.3 mi upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.23	.27	e.43	e.26	e.36	.39	1.5	1.7	1.4	.43	.18	.15
2	.32	.35	e.43	e.26	e.38	.36	1.8	1.6	1.3	.45	.16	.16
3	.26	.31	e.42	e.26	e.38	.41	1.8	1.5	1.3	.43	.16	.13
4	.36	.24	e.32	e.24	e.40	.47	2.8	1.4	1.3	.46	.18	.11
5	.28	.20	e.32	e.24	e.40	.54	7.6	1.4	1.2	.45	.18	.12
6	.27	.24	e.33	e.22	e.40	.80	11	1.4	1.1	.41	.19	.14
7	.25	.18	e.32	e.20	e.42	.76	8.8	1.5	1.1	.43	.17	.12
8	.24	.06	e.40	e.20	.39	.68	7.7	2.0	1.1	.42	.16	.07
9	.23	.18	e.39	e.18	.33	.55	8.5	2.1	1.0	.43	.15	.06
10	.23	.17	e.36	e.20	.31	.50	7.9	1.8	.93	.45	.12	.08
11	.22	.18	e.35	e.22	.34	.46	6.4	1.8	.87	.41	.12	.08
12	.22	.17	e.29	e.22	.36	.59	4.7	2.0	.82	.51	.15	.05
13	.21	.16	e.30	e.22	.41	.60	4.0	1.9	.76	.49	.16	.05
14	.20	.15	e.29	e.24	.43	.57	3.6	1.8	.74	.48	.18	.02
15	.18	e.11	e.25	e.25	.47	.56	3.0	1.8	.64	.44	.18	.00
16	.37	e.11	e.25	e.26	.42	.60	2.3	1.8	.59	.44	.15	.00
17	.87	e.17	e.25	e.27	.39	.57	2.0	2.0	.62	.51	.16	.00
18	.44	e.19	e.23	e.28	.39	.55	1.4	2.3	.65	.51	.14	.00
19	.84	e.15	e.23	e.28	.37	.57	1.2	2.1	.71	.48	.15	.00
20	.78	e.16	e.21	e.29	.38	.61	1.0	2.0	.82	.43	.12	.00
21	.69	e.17	e.18	e.30	.41	.62	.96	2.0	.71	.38	.14	.02
22	.66	e.19	e.15	e.25	.40	.60	1.2	2.0	.57	.39	.16	.12
23	.65	e.17	e.16	e.20	.41	.68	5.5	1.9	.50	.38	.14	.15
24	.63	e.25	e.18	e.10	.36	.87	5.4	1.9	.49	.34	.09	.17
25	.57	e.23	e.19	e.20	.35	.97	3.5	2.2	.47	.36	.08	.13
26	.53	e.30	e.20	e.30	.36	1.2	2.4	2.5	.51	.32	.08	.12
27	.52	e.41	e.21	e.27	.36	1.7	1.8	2.4	.48	.33	.09	.10
28	.53	e.37	e.24	e.30	.36	2.0	1.7	2.1	.48	.29	.11	.07
29	.11	e.42	e.24	e.28	.40	2.5	1.5	1.9	.44	.25	.12	.05
30	.55	e.41	e.25	e.32	---	2.3	1.7	1.7	.46	.22	.09	.04
31	.46	---	e.25	e.36	---	1.7	---	1.5	---	.20	.13	---
TOTAL	12.90	6.67	8.62	7.67	11.14	26.28	114.66	58.0	24.06	12.52	4.39	2.31
MEAN	.42	.22	.28	.25	.38	.85	3.82	1.87	.80	.40	.14	.077
MAX	.87	.42	.43	.36	.47	2.5	11	2.5	1.4	.51	.19	.17
MIN	.11	.06	.15	.10	.31	.36	.96	1.4	.44	.20	.08	.00
AC-FT	26	13	17	15	22	52	227	115	48	25	8.7	4.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.54	.54	.44	.41	.69	2.02	7.02	5.68	1.98	.82	.45	.37
MAX	3.37	2.24	1.11	1.13	6.34	7.90	23.5	17.2	6.63	2.09	1.43	2.15
(WY)	1986	1986	1986	1986	1986	1986	1996	1997	1997	1995	1985	1997
MIN	.000	.000	.000	.000	.000	.000	.11	.077	.024	.000	.000	.000
(WY)	1976	1976	1976	1976	1977	1978	1977	1977	1977	1977	1976	1976

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1976 - 2000	
ANNUAL TOTAL	443.65		289.22			
ANNUAL MEAN	1.22		.79		1.75	
HIGHEST ANNUAL MEAN					4.59	1996
LOWEST ANNUAL MEAN					.022	1977
HIGHEST DAILY MEAN	8.8	Apr 26	11	Apr 6	49	May 5 1996
LOWEST DAILY MEAN	.06	Nov 8	.00	Sep 15	a.00	Oct 1 1975
ANNUAL SEVEN-DAY MINIMUM	.15	Nov 13	.00	Sep 14	.00	Oct 1 1975
INSTANTANEOUS PEAK FLOW			15	Apr 5	b65	May 5 1996
INSTANTANEOUS PEAK STAGE			2.38	Apr 5	4.47	May 5 1996
ANNUAL RUNOFF (AC-FT)	880		574		1270	
10 PERCENT EXCEEDS	4.1		1.9		4.6	
50 PERCENT EXCEEDS	.39		.38		.58	
90 PERCENT EXCEEDS	.20		.12		.00	

e Estimated.
a No flow many days most years.
b From rating curve extended above 23 ft^3/s.

09243900 FOIDEL CREEK AT MOUTH NEAR OAK CREEK, CO

LOCATION.--Lat 40°23'25", long 106°59'39", in $SE^1/_4SE^1/_4$ sec.14, T.5 N., R.86 W., Routt County, Hydrologic Unit 14050001, on left bank 1.0 mi upstream from mouth and 13.6 mi northwest of Oak Creek.

DRAINAGE AREA.--17.5 mi^2.

PERIOD OF RECORD.--October 1975 to September 1981, June 1982 to current year. Water-quality data available, April 1976 to September 1981, June 1982 to September 1988. Daily records for water temperature and specific conductance are available, April 1976 to September 1981. Daily records for suspended-sediment discharge are available, January 1978 to September 1981. Precipitation records are available, July 1978 to September 1997.

REVISED RECORDS.--WDR CO-78-3: 1976 (M), 1976.

GAGE.--Water-stage recorder and wooden control. Elevation of gage is 6,730 ft above sea level, from topographic map. Prior to Feb. 19, 1992, at site 600 ft downstream, at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.43	.26	.60	e.44	.55	.70	4.5	2.4	1.8	.66	.00	.00
2	.38	.24	.61	e.44	.52	.72	4.8	2.4	1.7	.63	.00	.00
3	.35	.20	.60	e.44	.54	.73	4.4	2.2	1.6	.61	.00	.00
4	.33	.17	.50	e.42	.54	.72	6.3	2.1	1.5	.52	.06	.00
5	.29	.18	.50	e.42	.62	.74	20	2.0	1.5	.52	.00	.00
6	.29	.17	.51	e.40	.56	.76	26	1.9	1.5	.48	.00	.00
7	.28	.17	.50	e.38	.60	.79	22	2.0	1.3	.45	.00	.00
8	.35	.19	.62	e.38	.70	.76	13	2.8	1.3	.43	.00	.00
9	.32	.19	.59	.36	.69	.79	11	2.7	1.4	.48	.03	.00
10	.28	.18	.56	e.38	.72	.88	12	2.5	1.3	.41	.01	.02
11	.28	.16	.55	e.40	.65	1.2	9.5	2.4	1.3	.28	.00	.00
12	.28	.15	.49	e.40	.64	1.5	7.0	2.5	1.2	.25	.02	.00
13	.27	.14	.50	e.40	.64	1.6	5.5	2.5	1.2	.26	.06	.00
14	.27	.15	.49	e.49	.65	1.6	4.8	2.4	1.1	.24	.05	.00
15	.29	.15	.42	e.53	.64	1.5	4.8	2.3	1.1	.20	.00	.00
16	.23	.15	.41	e.60	.89	1.3	4.1	2.2	.97	.18	.00	.00
17	.25	.17	.41	e.66	.70	1.2	3.3	2.2	.87	.24	.00	.00
18	.26	.33	.39	e.70	.66	1.2	2.8	2.6	.90	.38	.00	.00
19	.30	.29	.39	.53	.65	1.2	2.6	2.5	.99	.30	.00	.00
20	.37	.30	.37	.72	.84	1.2	2.5	2.3	1.2	.22	.02	.00
21	.27	.31	.34	.73	.71	1.1	2.2	2.2	1.0	.18	.00	.01
22	.27	.33	.31	.55	.71	1.1	2.4	2.2	.91	.17	.00	.31
23	.26	.31	.32	.34	.71	1.2	5.1	2.2	.81	.11	.00	1.4
24	.24	.39	.34	.12	.71	1.4	8.0	2.1	.72	.06	.00	1.1
25	.26	.37	.35	.35	.68	1.8	6.6	2.3	.66	.02	.00	1.0
26	.26	.44	.36	.51	.71	3.7	4.1	3.0	.77	.03	.00	.65
27	.24	.55	.37	.44	.72	8.0	3.2	3.0	.83	.04	.00	.44
28	.24	.52	e.40	.47	.75	9.1	2.7	2.5	.82	.01	.00	.34
29	.34	.57	e.40	.43	.74	13	2.5	2.3	.82	.01	.00	.32
30	.33	.55	e.42	.50	---	11	2.4	2.1	.76	.00	.00	.31
31	.30	---	e.42	.56	---	5.9	---	2.0	---	.00	.03	---
TOTAL	9.11	8.28	14.04	14.49	19.44	78.39	210.1	72.8	33.83	8.37	0.28	5.90
MEAN	.29	.28	.45	.47	.67	2.53	7.00	2.35	1.13	.27	.009	.20
MAX	.43	.57	.62	.73	.89	13	26	3.0	1.8	.66	.06	1.4
MIN	.23	.14	.31	.12	.52	.70	2.2	1.9	.66	.00	.00	.00
AC-FT	18	16	28	29	39	155	417	144	67	17	.6	12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.87	1.03	.95	.94	1.41	5.17	14.6	9.80	3.26	1.42	.72	.54
MAX	4.05	5.03	5.96	6.01	10.4	17.0	41.1	34.9	10.9	3.68	2.84	3.39
(WY)	1986	1986	1986	1986	1986	1986	1996	1984	1984	1984	1983	1997
MIN	.000	.000	.000	.000	.000	.39	.41	.043	.000	.000	.000	.000
(WY)	1976	1977	1976	1977	1978	1977	1977	1977	1977	1976	1976	1976

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1976 - 2000	
ANNUAL TOTAL	826.62		475.03			
ANNUAL MEAN	2.26		1.30		3.39	
HIGHEST ANNUAL MEAN					7.63	1986
LOWEST ANNUAL MEAN					.070	1977
HIGHEST DAILY MEAN	23	Apr 27	26	Apr 6	79	Apr 25 1984
LOWEST DAILY MEAN	.00	Jun 5	.00	Jul 30	a.00	Oct 1 1975
ANNUAL SEVEN-DAY MINIMUM	.15	Nov 11	.00	Aug 21	.00	Oct 1 1975
INSTANTANEOUS PEAK FLOW			53	Apr 5	b90	Apr 11 1996
INSTANTANEOUS PEAK STAGE			4.83	Apr 5	c6.43	Apr 11 1996
ANNUAL RUNOFF (AC-FT)	1640		942		2460	
10 PERCENT EXCEEDS	7.3		2.5		9.0	
50 PERCENT EXCEEDS	.70		.50		1.0	
90 PERCENT EXCEEDS	.24		.00		.00	

e Estimated.
a No flow many days, most years.
b Also occurred Apr 22, 1980.
c Maximum gage height, 6.75 ft, Mar 20, 1997, backwater from ice.

09246200 ELKHEAD CREEK ABOVE LONG GULCH NEAR HAYDEN, CO

LOCATION.--Lat 40°35'30", long 107°19'13", in $NW^1/_4SE^1/_4$ sec.1, T.7 N., R.89 W., Routt County, Hydrologic Unit 14050001, on left bank 0.3 mi upstream from Long Gulch, and 9.0 mi northwest of Hayden.

DRAINAGE AREA.--171 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1995 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage 6,405 ft above sea level, from topographic map.

REMARKS.--Record good except for estimated daily discharges, which are poor. Natural flow affected by diversions for irrigation of several hundred acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	7.8	e7.0	e9.0	e15	e22	69	887	148	11	.55	3.2
2	6.2	8.3	e6.0	e9.5	e14	e24	92	1010	132	11	.44	2.9
3	5.9	6.9	e5.0	e9.5	e14	26	67	1060	118	11	.34	2.2
4	5.6	6.7	e6.5	e9.0	e16	24	120	1020	104	8.6	.25	1.8
5	5.5	7.1	e7.5	e10	e15	22	294	1030	87	7.2	.21	1.5
6	5.6	7.3	e8.5	e10	e13	27	308	943	80	6.8	.14	1.1
7	6.3	7.1	e8.0	e9.5	e13	30	247	739	71	5.0	.26	.90
8	8.0	7.1	9.5	e9.5	e13	34	231	644	62	4.1	.24	.91
9	8.1	7.1	e9.5	e10	e13	28	327	479	54	5.6	.19	1.4
10	6.8	7.1	9.6	e10	e14	22	352	589	53	7.3	.14	1.7
11	6.2	6.8	9.8	e10	e15	29	364	623	49	7.1	.10	2.5
12	6.1	6.6	10	e10	e14	19	406	434	45	5.1	.07	1.9
13	5.9	6.2	e10	e9.5	e15	23	486	343	41	4.3	.05	1.4
14	5.7	6.3	e10	e10	e15	24	532	318	37	3.1	.04	1.1
15	5.8	6.5	e9.5	e12	e16	22	462	312	33	2.8	.02	.96
16	6.0	6.6	e9.0	e14	e15	17	295	308	29	2.0	.02	.83
17	5.4	7.0	e9.5	e13	e15	22	424	352	26	2.0	.03	.68
18	4.7	10	e10	e14	e15	22	607	307	26	2.7	.05	1.0
19	5.8	9.4	e10	e15	e14	22	392	268	28	2.5	1.1	1.0
20	6.1	7.0	e10	e16	e14	21	309	256	54	2.4	3.2	.73
21	6.4	e7.4	e9.5	e17	e14	17	386	258	41	1.7	2.0	1.1
22	6.5	e7.0	e9.5	e17	e14	19	476	266	30	1.3	1.7	15
23	6.5	e7.0	e10	e16	e14	28	840	282	27	.91	1.5	22
24	6.4	e7.0	e10	e15	e15	56	788	301	23	.78	1.4	10
25	6.7	e7.0	e10	e15	e16	73	458	269	24	.70	1.3	8.1
26	6.6	e7.0	e9.0	e14	e17	99	583	337	21	.61	1.1	7.0
27	6.6	e6.5	e9.0	e13	e18	141	930	292	20	1.0	1.0	6.4
28	6.6	e7.0	e9.0	e12	e20	144	1150	234	19	1.6	2.7	5.4
29	8.5	e7.0	e9.0	e14	e21	137	1110	231	17	1.4	3.6	4.7
30	8.2	e7.0	e9.0	e15	---	112	851	202	13	1.1	3.6	4.2
31	7.8	---	e9.0	e15	---	80	---	171	---	.88	3.3	---
TOTAL	198.7	214.8	277.9	382.5	437	1386	13956	14765	1512	123.58	30.64	113.61
MEAN	6.41	7.16	8.96	12.3	15.1	44.7	465	476	50.4	3.99	.99	3.79
MAX	8.5	10	10	17	21	144	1150	1060	148	11	3.6	22
MIN	4.7	6.2	5.0	9.0	13	17	67	171	13	.61	.02	.68
AC-FT	394	426	551	759	867	2750	27680	29290	3000	245	61	225

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	14.6	16.3	15.9	17.3	19.0	87.7	400	800	194	19.5	6.52	10.1
MAX	39.5	33.2	34.0	34.5	39.3	151	493	1189	337	42.5	13.5	37.6
(WY)	1998	1998	1998	1998	1998	1998	1998	1997	1997	1998	1997	1997
MIN	5.10	7.16	7.76	8.56	10.3	35.6	268	476	50.4	3.99	.99	2.10
(WY)	1997	2000	1999	1996	1996	1996	1999	2000	2000	2000	2000	1996

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	37525.4		33397.73			
ANNUAL MEAN	103		91.3		134	
HIGHEST ANNUAL MEAN					187	1997
LOWEST ANNUAL MEAN					91.3	2000
HIGHEST DAILY MEAN	1010	Apr 30	1150	Apr 28	1860	May 7 1997
LOWEST DAILY MEAN	3.7	Aug 17	.02	Aug 15	.02	Aug 15 2000
ANNUAL SEVEN-DAY MINIMUM	4.2	Aug 14	.04	Aug 12	.04	Aug 12 2000
INSTANTANEOUS PEAK FLOW			1750	Apr 29	a2760	May 7 1997
INSTANTANEOUS PEAK STAGE			6.60	Apr 29	7.86	May 7 1997
ANNUAL RUNOFF (AC-FT)	74430		66240		97150	
10 PERCENT EXCEEDS	403		314		434	
50 PERCENT EXCEEDS	11		10		17	
90 PERCENT EXCEEDS	5.7		1.1		4.1	

e Estimated.
a From rating extended above 1,120 ft^3/s.

09246200 ELKHEAD CREEK ABOVE LONG GULCH, NEAR HAYDEN, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1995 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 1995 to September 1999.
WATER TEMPERATURE: September 1995 to September 1999.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry August 1995 to September 1999.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1120 microsiemens, Mar. 19, 1999; minimum, 86 microsiemens, May 21, 1999.
WATER TEMPERATURE: Maximum, 29.0°C, July 23, 1999; minimum, 0.0°C, on many days during winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
OCT											
27...	1610	6.0	404	8.5	7.5	14	10.4	--	--	160	41.0
JAN											
27...	1515	e13	616	8.2	.0	4.9	12.0	--	--	240	53.2
MAR											
29...	1320	102	534	8.2	7.1	160	10.5	80	45	170	35.9
MAY											
05...	2320	1040	112	7.8	11.8	67	8.3	K30	K16	47	12.7
18...	1500	288	166	7.9	8.7	41	9.2	--	--	67	17.1
JUN											
20...	1137	62	302	8.3	16.6	7.6	8.0	54	47	120	29.5
29...	1230	18	331	8.6	21.4	.8	7.4	--	--	130	31.1
AUG											
09...	1045	.28	658	8.4	22.6	3.6	7.3	37	K18	240	49.9

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT											
27...	14.8	20.3	.7	2.0	154	54.9	3.6	.1	13.0	242	.33
JAN											
27...	25.2	40.4	1	2.1	148	165	5.2	.2	13.9	394	.54
MAR											
29...	19.1	37.6	1	2.7	94	160	4.1	<.1	8.8	325	.44
MAY											
05...	3.83	3.6	.2	1.1	42	11.3	.5	<.1	9.6	68	.09
18...	5.77	6.5	.3	.8	61	21.3	.6	<.1	11.4	100	.14
JUN											
20...	11.5	15.0	.6	1.3	130	43.5	1.7	.1	12.3	193	.26
29...	12.4	17.8	.7	1.6	120	48.6	1.9	.1	7.5	193	.26
AUG											
09...	27.9	50.9	1	4.5	212	125	7.4	.2	5.6	399	.54

DATE	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)
OCT											
27...	3.90	<.010	<.050	<.020	.26	.20	.020	<.006	<.010	--	--
JAN											
27...	--	<.010	.132	<.020	.15	.14	.011	E.003	<.010	--	--
MAR											
29...	97.4	<.010	.142	<.020	.69	.35	.196	.048	.033	11	7.2
MAY											
05...	190	<.010	<.050	<.020	1.7	<.10	.843	<.006	<.010	14	7.2
18...	76.5	<.010	.050	<.020	.48	.22	.091	.011	<.010	--	--
JUN											
20...	32.5	<.010	<.050	<.020	.38	.23	.026	.006	<.010	5.5	5.1
29...	9.37	<.010	<.050	<.020	.31	.25	.011	E.003	<.010	--	--
AUG											
09...	.30	<.010	<.050	<.020	.72	.55	.025	.006	<.010	9.1	8.3

09246200 ELKHEAD CREEK ABOVE LONG GULCH, NEAR HAYDEN, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
MAY										
05...	8150	<2.0	3	25	197	<5	<.1	.7	<.8	9
JUN										
29...	88	<2.0	<3	46	46.8	<5	<.1	<.1	E.5	<1
AUG										
09...	141	E2.0	<3	94	93.3	<5	<.1	<.1	<.8	<1

DATE	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
MAY										
05...	9	14	1	15000	70	15	<1	12.5	356	7
JUN										
29...	<2	1	E1	110	E10	<1	<1	9.6	11	10
AUG										
09...	<2	E1	1	230	<10	<1	<1	19.1	89	E1

DATE	MERCURY DISSOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, DISSOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY										
05...	<.2	<.3	<1	21	<2.4	<3	<1	<1	<20	56
JUN										
29...	<.2	<.3	1	<2	<2.4	<3	<1	<1	<20	<31
AUG										
09...	<.2	<.3	4	3	<2.4	<3	<1	<1	<20	<31

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT				
05...	1517	5.4	370	10.5
NOV				
19...	0900	11	392	.0
JAN				
18...	1045	14	527	.1
FEB				
23...	1325	14	658	.0
MAR				
13...	1225	24	681	1.2
28...	1130	128	522	2.3
JUN				
07...	1430	72	263	22.3
JUL				
12...	0735	5.3	394	17.8
25...	1530	.83	597	26.1
SEP				
25...	1530	8.2	277	12.2

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT				
27...	1610	6.0	12	.20
JAN				
27...	1515	e13	8	.30
MAY				
05...	2320	1040	1450	4070

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH NEAR CRAIG, CO

LOCATION.--Lat 40°32'31", long 107°23'50", in $SW^1/_4SE^1/_4$ sec.20, T.7 N., R.89 W., Moffat County, Hydrologic Unit 14050001, on left bank 2.0 mi downstream from Maynard Gulch, and 8.5 mi northeast of Craig.

DRAINAGE AREA.--212 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1995 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,280 ft above sea level, from topographic map.

REMARKS.--Record good except for estimated daily discharges, which are poor. Natural flow affected by diversions for irrigation of several hundred acres upstream from station and storage in Elkhead Reservoir.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	7.5	2.3	e3.5	15	19	83	937	163	9.3	2.1	2.6
2	3.2	32	2.3	e3.0	15	22	92	1020	142	8.9	2.1	2.5
3	2.5	32	2.4	e3.0	15	23	87	1140	128	6.7	2.1	2.1
4	2.6	32	2.2	e3.0	16	25	79	1100	107	5.2	2.2	2.2
5	2.5	31	2.1	e3.0	20	28	222	1090	86	4.8	2.4	2.2
6	2.9	31	e2.1	e3.0	12	31	348	1020	73	3.9	2.1	2.3
7	4.5	31	e2.1	e3.5	11	38	331	817	65	3.5	2.0	2.3
8	4.1	30	2.4	e3.5	10	43	256	709	59	3.7	2.0	2.3
9	4.8	30	e2.2	e3.6	10	42	312	548	51	4.8	1.8	2.4
10	5.2	30	e2.3	e3.8	12	37	382	548	42	4.5	1.8	2.0
11	5.4	20	e2.2	e4.0	19	29	391	667	38	3.6	1.9	1.9
12	5.0	2.2	e2.2	e4.2	17	27	413	512	33	3.8	2.0	2.0
13	20	2.1	e2.2	e4.0	21	26	474	387	32	3.6	1.9	2.1
14	40	2.1	e2.4	e3.8	17	25	564	345	28	3.4	2.2	2.0
15	40	1.8	e2.5	e3.4	19	29	563	317	26	3.3	2.2	1.7
16	41	1.8	e2.5	e3.0	16	29	396	312	23	3.4	2.2	1.6
17	41	2.0	2.9	e3.1	16	25	399	341	20	3.6	2.6	1.9
18	41	2.9	2.5	e3.7	16	26	617	342	20	3.3	2.7	2.1
19	41	2.3	2.4	e3.5	15	25	514	298	22	2.3	2.9	1.7
20	40	2.4	2.9	e3.0	14	26	374	278	23	2.1	2.5	1.8
21	40	2.6	3.6	e2.4	14	25	415	260	31	2.4	2.2	2.0
22	40	11	3.3	e2.2	15	23	495	269	25	2.4	2.6	3.9
23	40	3.7	3.5	e2.3	15	27	771	279	19	2.5	2.7	2.1
24	39	2.9	3.7	e1.8	16	48	927	304	17	2.7	2.7	2.1
25	40	3.0	e3.5	e1.9	17	71	609	297	15	2.6	2.8	2.0
26	33	2.5	e3.5	5.6	17	98	563	337	14	2.5	2.6	1.7
27	2.7	2.7	e3.5	13	17	143	862	341	14	2.4	2.9	1.8
28	2.4	2.5	e3.5	21	17	194	1180	278	12	2.3	3.2	1.5
29	3.3	2.3	e3.5	17	17	179	1270	254	12	2.3	2.9	1.6
30	3.1	2.3	e3.5	22	---	159	954	237	9.9	2.3	3.3	1.7
31	2.8	---	e3.5	17	---	114	---	196	---	2.6	3.0	---
TOTAL	596.0	361.6	85.7	174.8	451	1656	14943	15780	1349.9	114.7	74.6	62.1
MEAN	19.2	12.1	2.76	5.64	15.6	53.4	498	509	45.0	3.70	2.41	2.07
MAX	41	32	3.7	22	21	194	1270	1140	163	9.3	3.3	3.9
MIN	2.4	1.8	2.1	1.8	10	19	79	196	9.9	2.1	1.8	1.5
AC-FT	1180	717	170	347	895	3280	29640	31300	2680	228	148	123

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	15.5	17.6	14.4	16.4	19.3	91.5	426	808	195	17.3	6.28	7.90
MAX	39.3	33.2	29.8	29.6	32.0	169	503	1224	362	39.3	13.6	32.0
(WY)	1998	1998	1998	1998	1998	1998	1998	1997	1997	1998	1997	1997
MIN	2.56	12.1	2.76	5.64	12.1	53.4	253	509	45.0	3.70	2.41	2.07
(WY)	1997	2000	2000	2000	1999	2000	1999	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	36311.1		35649.4			
ANNUAL MEAN	99.5		97.4		137	
HIGHEST ANNUAL MEAN					192	1997
LOWEST ANNUAL MEAN					97.4	2000
HIGHEST DAILY MEAN	938	May 10	1270	Apr 29	1870	May 4 1998
LOWEST DAILY MEAN	1.8	Nov 15	1.5	Sep 28	1.4	Sep 2 1996
ANNUAL SEVEN-DAY MINIMUM	2.1	Nov 12	1.8	Sep 24	1.5	Aug 29 1996
INSTANTANEOUS PEAK FLOW			1610	Apr 29	2430	May 8 1997
INSTANTANEOUS PEAK STAGE			a5.62	Apr 29	b6.83	May 8 1997
ANNUAL RUNOFF (AC-FT)	72020		70710		99200	
10 PERCENT EXCEEDS	407		343		449	
50 PERCENT EXCEEDS	13		8.2		18	
90 PERCENT EXCEEDS	2.5		2.1		2.5	

e Estimated.
a Maximum gage height, 6.66 ft, Dec 12, backwater from ice.
b Maximum gage height, 8.00 ft, Dec 29, 1996, backwater from ice.

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH, NEAR CRAIG, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1995 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 1995 to September 1999.
WATER TEMPERTURE: August 1995 to September 1999.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry August 1995 to September 1999.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 588 microsiemens, Apr. 11, 1998: minimum recorded, 126 microsiemens, May 19, 1996.
WATER TEMPERATURE: Maximum recorded, 31.3°C, July 24, 1996: minimum recorded, 0.0°C on many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT											
28...	0935	2.5	313	8.7	5.4	9.8	9.9	--	--	120	29.8
JAN											
27...	1230	13	325	8.1	.0	7.4	12.4	--	--	120	30.3
MAR											
29...	1000	197	362	8.1	4.7	4.5	10.7	54	47	130	31.9
MAY											
06...	1015	1110	139	8.0	11.0	59	9.2	K35	K22	57	14.9
18...	1200	347	152	8.0	10.0	67	8.9	--	--	60	15.7
JUN											
20...	0945	25	201	8.2	16.0	23	8.0	40	52	77	19.5
29...	1030	11	235	8.3	21.1	8.7	7.2	--	--	89	22.6
AUG											
09...	1200	1.8	327	8.6	25.1	9.9	7.1	87	21	120	29.5

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT											
28...	10.6	17.2	.7	1.3	103	51.6	4.2	.1	8.5	185	.25
JAN											
27...	11.8	19.3	.8	1.3	107	52.2	4.4	.2	10.8	195	.26
MAR											
29...	12.7	21.1	.8	1.6	119	58.9	4.0	<.1	10.9	213	.29
MAY											
06...	4.79	5.4	.3	1.2	48	17.0	.7	<.1	9.1	83	.11
18...	5.12	5.7	.3	.9	55	18.3	.8	<.1	10.1	90	.12
JUN											
20...	6.85	9.2	.5	.8	69	26.8	1.3	<.1	10.6	117	.16
29...	7.93	12.0	.6	1.2	82	31.5	2.0	<.1	10.3	137	.19
AUG											
09...	11.1	19.1	.8	1.5	112	48.7	4.2	.2	10.2	192	.26

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
OCT											
28...	1.25	<.010	<.050	<.020	.33	.27	.021	<.006	<.010	--	--
JAN											
27...	6.83	<.010	<.050	<.020	.27	.22	.015	E.004	<.010	--	--
MAR											
29...	113	<.010	.126	<.020	.23	.25	.018	E.003	<.010	5.3	5.5
MAY											
06...	247	<.010	.103	<.020	.78	<.10	.222	.012	<.010	9.0	7.1
18...	81.2	<.010	.098	<.020	.55	.31	.115	.013	<.010	--	--
JUN											
20...	7.99	<.010	<.050	<.020	.38	.25	.032	.006	<.010	7.1	6.4
29...	4.06	<.010	<.050	<.020	.38	.28	.025	E.005	<.010	--	--
AUG											
09...	.95	<.010	<.050	<.020	.47	.33	.025	E.003	<.010	6.2	7.3

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH, NEAR CRAIG, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
MAY										
06...	3650	<2.0	<3	24	69.9	<5	<.1	E.1	<.8	5
JUN										
29...	273	<2.0	<3	37	38.9	<5	<.1	<.1	<.8	<1

DATE	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
MAY										
06...	2	5	2	4670	30	5	<1	7.0	90	7
JUN										
29...	<2	2	1	410	20	E1	<1	E5.7	20	11

DATE	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY										
06...	<.2	<.3	<1	7	<2.4	<3	<1	<1	<20	<31
JUN										
29...	<.2	<.3	2	2	<2.4	<3	<1	<1	<20	<31

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	1112	4.1	364	9.7
19...	1603	40	245	10.9
NOV				
18...	1730	2.2	446	4.0
JAN				
18...	1215	4.0	437	.1
FEB				
23...	1450	15	313	6.1
MAR				
13...	1350	22	310	6.2
28...	1300	197	353	4.7
JUN				
07...	1555	61	181	21.8
JUL				
12...	1230	3.8	356	24.8
SEP				
25...	1650	1.8	304	15.3

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT					
28...	0935	2.5	2	.02	--
JAN					
27...	1230	13	6	.22	--
MAY					
06...	1015	1110	243	728	86

09247600 YAMPA RIVER BELOW CRAIG, CO

LOCATION.--Lat 40°28'51", long 107°36'49", in $SW^1/_4NW^1/_4$ sec.16, T.6 N., R.91 W., Moffat County, Hydrologic Unit 14050001, on left bank 0.5 mi downstream from state highway 13-789 bridge, and 3.3 mi southwest of Craig.

DRAINAGE AREA.--1,750 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1975 to September 1980 (discharge measurements only). October 1984 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,100 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions for irrigation, power plants at Hayden and Craig, transbasin diversions, storage reservoirs, and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	274	222	223	e240	276	353	866	4760	9090	720	127	192
2	268	231	220	e240	e275	375	858	5040	8080	667	95	200
3	267	241	215	e240	e270	391	879	5670	6440	642	95	153
4	263	237	184	e250	e270	416	776	6130	5940	537	106	119
5	243	241	180	e250	e270	466	1140	6660	5520	502	97	105
6	248	246	199	e250	e270	478	2110	7190	5190	455	92	97
7	279	247	189	e250	e270	503	2290	6960	4990	402	90	82
8	286	229	171	e260	e270	546	2000	6200	4710	361	83	87
9	293	218	163	e260	e280	514	2050	5320	4390	382	76	96
10	293	255	149	e260	e280	466	2440	4730	4070	425	76	82
11	277	254	185	e270	e285	414	2620	5500	3540	391	57	77
12	267	229	181	e260	290	423	2680	5220	3180	335	50	76
13	249	231	158	e260	268	406	2750	4200	2900	313	46	72
14	267	229	133	e260	266	392	2940	3740	2810	292	48	60
15	280	227	e150	e270	258	418	3060	3520	2430	274	44	58
16	290	229	e175	e280	e250	421	2720	3580	2330	277	51	65
17	297	221	e190	e280	241	392	2390	4160	2030	297	57	54
18	281	244	e200	e280	e250	399	2870	4240	1750	314	73	57
19	276	293	e210	e270	e250	395	2890	3660	1690	362	72	62
20	288	257	214	e270	e250	382	2470	3390	2370	314	80	66
21	288	265	220	e270	245	397	2430	3550	2190	276	96	92
22	310	280	213	e270	275	380	2590	3960	1750	239	103	201
23	279	231	203	e270	288	397	3310	4750	1520	218	98	681
24	274	169	195	e270	304	565	3850	6410	1370	211	106	592
25	267	179	207	e270	316	736	3550	7210	1230	186	103	469
26	256	198	212	e280	330	823	3060	7440	1200	183	104	363
27	244	243	235	e290	284	1030	3520	8550	1130	174	119	338
28	234	241	262	e300	299	1190	4370	7410	1040	171	129	280
29	253	239	237	314	344	1310	4930	7710	895	168	146	258
30	256	225	e240	301	---	1310	4860	9160	798	166	160	271
31	246	---	e240	290	---	1110	---	9650	---	159	170	---
TOTAL	8393	7051	6153	8325	8024	17798	79269	175670	96573	10413	2849	5405
MEAN	271	235	198	269	277	574	2642	5667	3219	336	91.9	180
MAX	310	293	262	314	344	1310	4930	9650	9090	720	170	681
MIN	234	169	133	240	241	353	776	3390	798	159	44	54
AC-FT	16650	13990	12200	16510	15920	35300	157200	348400	191600	20650	5650	10720

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	342	319	245	240	296	811	2432	5001	4269	1066	289	250
MAX	884	506	407	371	841	1718	4835	7524	8471	3683	712	1011
(WY)	1998	1998	1985	1998	1986	1986	1985	1985	1995	1995	1997	1997
MIN	144	165	146	114	111	229	931	2172	1370	233	41.3	50.6
(WY)	1990	1995	1988	1989	1989	1988	1995	1990	1987	1989	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1985 - 2000	
ANNUAL TOTAL	480738		425923			
ANNUAL MEAN	1317		1164		1299	
HIGHEST ANNUAL MEAN					1925	1997
LOWEST ANNUAL MEAN					734	1989
HIGHEST DAILY MEAN	9190	May 31	9650	May 31	12000	Jun 4 1997
LOWEST DAILY MEAN	110	Jan 30	44	Aug 15	1.3	Sep 1 1988
ANNUAL SEVEN-DAY MINIMUM	146	Jan 28	50	Aug 11	13	Aug 31 1988
INSTANTANEOUS PEAK FLOW			10900	May 31	12900	Jun 4 1997
INSTANTANEOUS PEAK STAGE			8.94	May 31	10.78	Jun 4 1997
ANNUAL RUNOFF (AC-FT)	953500		844800		940700	
10 PERCENT EXCEEDS	4460		4100		4280	
50 PERCENT EXCEEDS	293		276		360	
90 PERCENT EXCEEDS	200		102		155	

e Estimated.

09247600 YAMPA RIVER BELOW CRAIG, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1975 to September 1980. October 1990 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT											
20...	1630	281	378	9.2	7.8	16.0	K3	K2	140	33.5	13.2
MAR											
08...	1300	580	809	8.5	3.9	12.1	66	46	260	50.2	31.7
14...	1500	397	778	9.1	5.0	13.8	--	--	280	55.8	34.9
JUN											
22...	1105	1700	143	7.9	16.0	8.1	66	74	49	12.4	4.26
AUG											
01...	1115	128	332	8.2	23.1	8.0	20	13	110	27.9	10.8

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT										
20...	23.4	.9	2.2	118	62.6	9.6	.2	6.5	222	.30
MAR										
08...	66.3	2	2.5	145	240	16.5	.2	7.2	509	.71
14...	62.7	2	2.7	157	235	16.9	.2	3.0	520	.71
JUN										
22...	7.6	.5	.9	45	20.0	2.4	.2	7.2	82	.11
AUG										
01...	21.9	.9	2.3	105	49.0	8.6	.2	.1	184	.25

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
OCT										
20...	169	<.010	<.050	<.020	.40	.25	.037	.014	<.010	--
MAR										
08...	808	.010	1.56	<.002	.51	.36	.060	.017	.011	--
14...	558	<.010	.600	<.020	--	.34	--	<.050	<.010	5.3
JUN										
22...	376	.005	.011	<.002	.33	.22	.037	.017	.007	--
AUG										
01...	63.4	<.001	<.005	.003	.40	.27	.024	.029	.016	--

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT										
20...	<.1	E1	190	<1	19	7	<.2	<2.4	<.2	<20
MAR										
08...	<.1	E1	540	<1	83	61	<.2	11.5	<.2	<20
JUN										
22...	<.1	<1	530	<1	28	7	<.2	<2.4	<.2	<20
AUG										
01...	<.1	1	110	<1	49	10	<.2	<2.4	<.2	<20

09247600 YAMPA RIVER BELOW CRAIG, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	1435	260	420	12.4
06...	1520	260	429	12.3
NOV				
18...	1317	244	466	4.4
JAN				
18...	1335	289	506	.1
FEB				
23...	1105	357	675	1.0
APR				
17...	1640	2510	329	10.5
MAY				
01...	1445	5130	176	10.4
JUN				
01...	0815	8600	83	10.9
JUL				
11...	1730	375	285	25.1
17...	1000	315	313	21.6
SEP				
12...	1035	83	478	18.3
18...	1038	50	500	19.4
26...	0920	384	327	9.7

09249750 WILLIAMS FORK RIVER AT MOUTH, NEAR HAMILTON, CO

LOCATION.--Lat 40°26'14", long 107°38'50", in SE$^1/_4$NW$^1/_4$ sec.31, T.6 N., R.91 W., Moffat County, Hydrologic Unit 14050001, on left bank at coal mine service road crossing, 2,300 ft upstream from confluence with Yampa River, 6.1 mi north-northeast of Hamilton, and 8 mi south-southwest of Craig.

DRAINAGE AREA.--419 mi^2.

PERIOD OF RECORD.--February 1984 to current year. Water-quality data available, June 1975 to September 1980, December 1985 to September 1992, and October 1993 to September 1996. Sediment data available, June 1975 to September 1980, and April 1987 to September 1991.

GAGE.--Water stage recorder with satellite telemetry. Elevation of gage is 6,170 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	61	61	50	54	60	78	479	798	57	24	52
2	49	58	65	52	58	64	77	570	646	58	22	43
3	46	50	56	52	57	61	77	759	546	57	20	36
4	47	54	40	51	57	60	72	856	488	54	17	31
5	45	55	30	50	55	67	90	963	439	49	16	29
6	46	53	49	51	57	71	135	1100	402	47	17	28
7	49	52	48	52	58	70	139	1060	367	44	17	27
8	51	53	48	51	56	69	126	961	331	44	16	28
9	50	54	39	54	59	64	142	690	295	54	15	29
10	48	53	38	54	64	66	181	636	266	66	16	34
11	46	51	54	54	69	57	189	966	227	58	16	29
12	47	51	49	53	70	68	197	676	200	47	19	26
13	47	50	48	55	64	61	227	490	182	40	21	25
14	48	48	44	55	66	66	256	482	175	40	20	25
15	52	49	44	56	69	70	273	495	159	38	20	24
16	46	49	47	57	75	66	215	524	143	36	22	24
17	45	53	60	60	71	65	205	678	129	38	27	24
18	45	65	57	69	67	62	285	533	125	54	31	27
19	56	57	55	85	74	57	259	443	129	53	43	34
20	52	44	55	81	75	67	211	436	210	41	41	31
21	52	64	55	76	72	60	212	548	152	37	30	28
22	52	57	55	69	75	62	266	633	120	36	28	126
23	50	42	54	70	67	65	330	782	108	31	37	138
24	49	31	52	64	67	75	413	1030	98	33	43	101
25	49	40	50	64	63	78	316	1090	94	33	46	83
26	48	52	51	68	57	78	338	1230	98	29	36	69
27	48	80	51	64	61	84	416	1050	93	26	41	69
28	48	59	51	52	72	98	634	875	82	27	44	57
29	59	62	51	45	66	108	738	1020	72	29	39	51
30	59	58	51	51	---	98	539	1050	62	26	56	50
31	56	---	50	44	---	87	---	944	---	26	68	---
TOTAL	1537	1605	1558	1809	1875	2184	7636	24049	7236	1308	908	1378
MEAN	49.6	53.5	50.3	58.4	64.7	70.5	255	776	241	42.2	29.3	45.9
MAX	59	80	65	85	75	108	738	1230	798	66	68	138
MIN	45	31	30	44	54	57	72	436	62	26	15	24
AC-FT	3050	3180	3090	3590	3720	4330	15150	47700	14350	2590	1800	2730

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	70.5	66.8	59.6	60.6	63.3	100	318	1049	673	170	74.1	60.4
MAX	150	118	106	116	108	180	680	2228	1720	494	220	203
(WY)	1998	1998	1985	1998	1986	1998	1985	1984	1984	1984	1984	1997
MIN	32.3	34.4	38.3	37.9	40.8	64.1	101	396	147	28.0	25.3	19.7
(WY)	1993	1995	1995	1991	1991	1995	1995	1990	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1984 - 2000	
ANNUAL TOTAL	73300		53083			
ANNUAL MEAN	201		145		217	
HIGHEST ANNUAL MEAN					358	1985
LOWEST ANNUAL MEAN					105	1994
HIGHEST DAILY MEAN	1630	May 26	1230	May 26	3980	May 16 1984
LOWEST DAILY MEAN	30	Dec 5	15	Aug 9	13	Sep 13 1994
ANNUAL SEVEN-DAY MINIMUM	42	Dec 4	16	Aug 5	15	Sep 9 1994
INSTANTANEOUS PEAK FLOW			1470	May 26	4750	May 16 1984
INSTANTANEOUS PEAK STAGE			6.06	May 26	9.96	May 16 1984
ANNUAL RUNOFF (AC-FT)	145400		105300		157500	
10 PERCENT EXCEEDS	595		454		674	
50 PERCENT EXCEEDS	75		57		78	
90 PERCENT EXCEEDS	47		29		38	

09251000 YAMPA RIVER NEAR MAYBELL, CO

LOCATION.--Lat 40°30'10", long. 108°01'45", in SE$^1/_4$NW$^1/_4$ sec.2, T.6 N., R.95 W., Moffat County, Hydrologic Unit 14050002, on left bank 60 ft downstream from bridge on U.S. Highway 40, 2.0 mi downstream from Lay Creek, and 3.0 mi east of Maybell.

DRAINAGE AREA.--3,410 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1904 to October 1905, June 1910 to November 1912, April 1916 to current year. Monthly discharge only for some periods, published in WSP 1313. No winter records prior to 1917.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,900.23 ft above sea level. See WSP 1733 for history of changes prior to Mar. 9, 1937.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transbasin diversions, numerous storage reservoirs, and diversions upstream from station for irrigation of about 65,000 acres upstream from, and about 800 acres downstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	262	289	298	e320	e375	450	1110	5490	9640	734	130	227
2	265	274	292	e325	e370	e455	914	5520	9020	652	108	226
3	257	265	304	e320	e375	e465	938	6240	7420	585	83	204
4	248	282	256	e335	e390	e480	907	7010	6540	548	67	176
5	249	284	174	e330	e385	e500	825	7510	6190	464	66	143
6	233	291	188	e340	e385	e550	1350	8190	5730	419	75	108
7	228	294	226	e335	e380	e555	2260	8470	5360	376	64	98
8	268	299	229	e345	e385	e580	2250	8030	5170	352	62	92
9	275	280	221	e360	e340	e620	1930	7020	4770	356	76	86
10	293	273	291	e365	e315	e590	2170	5830	4430	354	47	87
11	286	305	315	e375	e310	e545	2630	6280	3810	409	47	79
12	277	311	292	e365	e340	e490	2750	6950	3310	396	46	69
13	264	290	e305	e360	e345	e500	2840	5530	2930	332	37	70
14	252	281	e200	e365	e380	e480	2990	4650	2830	297	33	74
15	261	284	e215	e385	e385	e485	3200	4280	2460	264	35	74
16	286	282	e235	e405	e380	e495	3200	e4480	2250	240	30	59
17	301	285	e260	e410	409	e490	2560	e4680	2140	232	35	53
18	312	289	e270	e420	364	e465	2650	4880	1770	243	39	59
19	298	318	e285	e405	358	e470	3300	4080	1610	263	51	57
20	300	366	e315	e410	352	e465	2870	3550	1680	313	73	50
21	308	319	e300	e405	383	e450	2470	3550	2470	281	82	65
22	329	350	e290	e425	372	e475	2580	3940	1870	238	76	113
23	358	335	e275	e420	398	470	3030	4660	1580	207	108	286
24	318	249	e260	e440	398	493	4000	6040	1390	170	107	797
25	300	425	e280	e430	410	662	4240	7760	1270	171	115	632
26	294	269	e285	e440	361	814	3360	7550	1210	153	131	518
27	281	266	e320	e460	419	914	3460	8670	1140	154	123	420
28	275	352	e345	e475	402	1110	4540	7870	1070	131	135	400
29	284	305	e320	e445	413	1290	5540	7590	941	131	145	334
30	300	318	e315	e435	---	1380	5910	8710	820	141	177	296
31	305	---	e325	e405	---	1370	---	9830	---	134	199	---
TOTAL	8767	9030	8486	12055	10879	19558	82774	194840	102821	9740	2602	5952
MEAN	283	301	274	389	375	631	2759	6285	3427	314	83.9	198
MAX	358	425	345	475	419	1380	5910	9830	9640	734	199	797
MIN	228	249	174	320	310	450	825	3550	820	131	30	50
AC-FT	17390	17910	16830	23910	21580	38790	164200	386500	203900	19320	5160	11810

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	353	357	299	280	335	720	2619	6295	5567	1411	387	250
MAX	1174	768	624	610	1071	2063	6496	14000	12810	5819	1052	1366
(WY)	1998	1998	1948	1948	1986	1986	1962	1984	1917	1957	1957	1997
MIN	117	184	137	115	160	221	735	1850	548	20.4	26.5	27.8
(WY)	1964	1977	1964	1934	1964	1964	1944	1977	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1916 - 2000	
ANNUAL TOTAL	542556		467504			
ANNUAL MEAN	1486		1277		1575	
HIGHEST ANNUAL MEAN					3025	1984
LOWEST ANNUAL MEAN					477	1977
HIGHEST DAILY MEAN	9980	Jun 1	9830	May 31	24400	May 17 1984
LOWEST DAILY MEAN	166	Aug 28	30	Aug 16	a2.0	Jul 17 1934
ANNUAL SEVEN-DAY MINIMUM	201	Sep 12	36	Aug 12	3.0	Jul 30 1934
INSTANTANEOUS PEAK FLOW			10900	May 31	25100	May 17 1984
INSTANTANEOUS PEAK STAGE			8.40	May 31	12.42	May 17 1984
ANNUAL RUNOFF (AC-FT)	1076000		927300		1141000	
10 PERCENT EXCEEDS	5090		4570		5350	
50 PERCENT EXCEEDS	429		359		404	
90 PERCENT EXCEEDS	245		108		177	

e Estimated.
a Also occurred July 18-19, 1934.

09251000 YAMPA RIVER NEAR MAYBELL, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1950 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1950 to August 1973, July 1975 to current year.
pH: November 1998 to current year.
WATER TEMPERATURE: November 1950 to August 1973, July 1975 to current year.
SUSPENDED-SEDIMENT DISCHARGE: December 1950 to May 1958, October 1975 to September 1976, October 1977 to September 1978, October 1981 to September 1982.

INSTRUMENTATION:--Water-quality monitor July 1975 to October 1997; water-quality monitor with satellite telemetry October 24, 1997 to current year.

REMARKS.--Specific-conductance record is good, pH record is good, and water-temperature record is good. Periods of missing record are caused by sensor fouling or instrument malfunction. Unpublished maximum and minimum specific-conductance data for period of daily record available in district office.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1260 microsiemens, Nov. 17, 1985; minimum, 78 microsiemens, June 1-2, 1994.
pH: Maximum, 9.0 units, Mar. 18, 1999; minimum, 7.7 units, June 27, 2000.
WATER TEMPERATURE: Maximum, 33.0°C, Aug. 29, 1976; minimum, 0.0°C, on many days during winter months.
SEDIMENT CONCENTRATIONS: Maximum daily, 6,180 mg/l, Aug. 16, 1981; minimum daily, 1 mg/l, several days during Dec. 1975 to Feb. 1976, Jan. 6, 1980.
SEDIMENT LOADS: Maximum daily, 47,100 tons, May 9, 1958; minimum daily, 0.04 ton, Oct. 2-3, 1982.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 974 microsiemens, Feb. 18; minimum, 90 microsiemens, June 2.
pH: Maximum, 8.9 units, Feb. 21; minimum, 7.7 units, June 27.
WATER TEMPERATURE: Maximum, 28.0°C, Aug. 12; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT										
22...	1310	316	587	8.6	7.8	10.1	200	40.3	23.7	40.3
NOV										
16...	1415	267	648	8.6	4.6	11.0	230	15.4	46.5	48.1
JAN										
24...	1530	459	776	8.2	.0	--	280	52.3	35.8	58.0
FEB										
21...	0900	342	957	8.6	.1	12.2	320	57.0	42.4	75.7
MAR										
15...	1520	497	857	9.0	4.0	12.0	310	58.4	41.1	69.7
APR										
25...	1500	4420	338	8.0	10.0	9.3	120	28.8	12.8	16.2
MAY										
16...	1500	3600	186	8.1	13.7	8.2	72	17.8	6.70	7.9
JUN										
27...	1400	1150	236	8.2	19.0	7.7	81	19.5	7.85	14.3
JUL										
24...	1400	160	450	8.6	24.1	7.2	150	34.9	15.4	34.0
SEP										
05...	1244	147	588	8.5	20.3	7.3	200	44.1	22.1	47.1

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT									
22...	1	2.5	160	125	14.2	.2	6.6	348	.47
NOV									
16...	1	2.5	172	141	17.3	.3	6.6	381	.52
JAN									
24...	2	3.0	160	213	19.4	.2	9.3	487	.66
FEB									
21...	2	3.0	176	283	25.3	.2	5.5	597	.81
MAR									
15...	2	3.0	177	263	20.7	.2	1.5	576	.78
APR									
25...	.6	1.9	84	73.5	3.6	.2	10.4	198	.27
MAY									
16...	.4	1.1	57	30.4	2.5	<.1	9.8	111	.15
JUN									
27...	.7	1.1	69	36.3	5.6	.3	7.6	134	.18
JUL									
24...	1	2.3	126	77.1	16.7	.2	1.9	258	.35
SEP									
05...	1	3.4	164	109	18.1	.2	5.1	347	.47

09251000 YAMPA RIVER NEAR MAYBELL, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)
OCT									
22...	297	--	--	--	--	--	--	--	<2.4
NOV									
16...	274	--	--	--	--	--	--	--	--
JAN									
24...	603	--	--	--	--	--	--	--	--
FEB									
21...	552	--	--	--	--	--	--	--	5.6
MAR									
15...	772	<.010	.266	<.020	.29	<.050	<.010	5.0	--
APR									
25...	2360	--	--	--	--	--	--	--	--
MAY									
16...	1070	--	--	--	--	--	--	--	--
JUN									
27...	417	--	--	--	--	--	--	--	E.7
JUL									
24...	111	--	--	--	--	--	--	--	--
SEP									
05...	138	--	--	--	--	--	--	--	.7

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	581	574	579	667	641	655	764	704	726	788	769	780
2	581	574	578	670	658	664	739	707	724	794	782	788
3	580	571	576	667	654	661	746	715	730	795	769	782
4	581	574	578	659	645	651	750	735	745	769	753	760
5	582	577	580	659	635	648	778	745	754	758	738	747
6	587	578	584	655	637	642	836	749	778	770	746	754
7	590	584	587	665	651	658	786	750	765	773	757	765
8	592	584	587	653	626	636	816	749	787	757	742	748
9	613	592	602	637	626	630	870	812	829	753	739	747
10	614	598	606	634	624	628	881	843	867	750	738	742
11	604	582	595	639	626	632	857	820	840	738	720	727
12	582	574	578	629	620	625	885	838	863	720	712	717
13	578	564	572	622	605	611	870	838	854	715	701	708
14	573	564	570	617	600	606	866	842	853	705	697	702
15	583	573	579	642	614	621	877	849	859	716	703	710
16	589	581	586	657	627	639	879	868	875	733	713	717
17	586	566	575	662	635	648	876	815	839	736	722	730
18	579	569	575	675	651	661	888	826	869	762	724	736
19	571	540	554	679	659	670	862	812	837	790	762	773
20	568	550	558	685	658	671	812	803	807	845	790	828
21	570	551	558	673	645	658	803	753	784	830	790	818
22	577	561	570	670	636	648	767	743	756	790	745	773
23	569	540	552	658	601	634	756	740	749	760	730	745
24	554	537	544	679	601	641	758	735	745	776	742	756
25	547	528	537	694	590	647	784	744	756	804	764	781
26	554	540	548	688	655	669	788	765	779	815	800	806
27	566	553	559	751	688	715	804	772	787	856	815	834
28	569	557	564	763	739	746	809	785	797	894	856	871
29	585	561	577	799	761	776	821	800	811	877	847	863
30	607	584	595	787	748	763	807	779	792	863	812	837
31	645	605	620	---	---	---	789	771	780	887	850	870
MONTH	645	528	575	799	590	658	888	704	798	894	697	771

09251000 YAMPA RIVER NEAR MAYBELL, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	871	805	838	---	---	---	---	---	---	225	213	217
2	869	804	841	---	---	---	---	---	---	216	206	210
3	876	820	847	---	---	---	---	---	---	210	195	200
4	854	800	827	---	---	---	---	---	---	198	178	184
5	818	764	789	---	---	---	---	---	---	178	159	165
6	786	723	752	---	---	---	---	---	---	160	141	149
7	763	706	731	---	---	---	---	---	---	144	129	135
8	740	704	720	---	---	---	---	---	---	146	128	136
9	736	699	716	---	---	---	---	---	---	166	142	153
10	719	680	699	---	---	---	---	---	---	181	164	172
11	748	659	702	---	---	---	---	---	---	182	165	173
12	789	722	756	---	---	---	---	---	---	167	148	153
13	834	763	807	---	---	---	376	360	372	174	153	164
14	886	821	856	---	---	---	367	336	359	193	174	182
15	882	853	865	---	---	---	358	336	348	192	186	188
16	920	861	886	---	---	---	342	327	337	---	---	---
17	960	884	913	---	---	---	345	331	337	177	---	---
18	974	891	937	---	---	---	353	336	345	177	144	158
19	928	---	---	---	---	---	345	306	326	183	160	172
20	950	---	---	---	---	---	313	307	310	195	182	188
21	944	898	929	---	---	---	333	313	323	198	186	194
22	---	---	---	---	---	---	338	323	334	193	164	176
23	---	---	---	---	---	---	325	311	320	171	145	156
24	---	---	---	---	---	---	349	307	323	156	125	135
25	889	---	---	---	---	---	350	325	336	133	110	120
26	887	841	868	---	---	---	336	332	334	128	115	121
27	878	842	860	---	---	---	335	304	321	131	118	125
28	858	829	843	---	---	---	305	265	282	140	126	132
29	843	824	832	---	---	---	270	235	246	135	115	122
30	---	---	---	---	---	---	241	225	233	121	106	111
31	---	---	---	---	---	---	---	---	---	115	102	108
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	112	96	103	283	271	275	504	497	500	581	562	573
2	107	90	97	294	280	285	518	499	508	564	539	549
3	116	94	103	297	289	294	550	517	532	553	543	550
4	114	98	106	311	294	302	578	545	560	555	546	550
5	114	95	104	327	310	318	598	575	584	572	553	565
6	115	98	106	341	327	334	599	572	582	632	572	591
7	116	99	106	361	341	353	596	573	584	625	615	619
8	116	95	105	372	358	363	616	593	603	629	621	625
9	115	99	106	378	371	373	624	607	616	646	627	640
10	114	105	110	395	372	379	626	602	610	654	645	650
11	128	111	118	406	391	396	665	626	642	649	638	646
12	130	122	125	408	402	406	668	655	662	663	645	652
13	136	130	134	412	402	406	696	660	671	684	658	674
14	146	135	142	416	405	409	741	696	712	705	683	695
15	158	141	149	422	411	419	770	741	757	697	683	691
16	164	156	161	427	416	423	771	746	761	704	683	692
17	171	158	164	435	427	432	815	754	778	725	704	714
18	189	168	176	439	430	434	815	776	791	725	715	721
19	197	186	191	434	424	430	786	744	764	715	703	708
20	208	194	198	425	415	421	750	718	736	727	704	711
21	208	170	189	430	420	424	721	703	709	728	696	720
22	193	170	180	436	424	430	744	712	729	696	601	671
23	208	192	199	435	424	429	761	723	750	736	629	678
24	216	204	211	449	435	442	723	693	704	629	466	561
25	215	206	212	454	444	448	697	633	680	466	410	433
26	232	214	219	461	447	454	663	610	637	410	382	390
27	237	225	230	469	460	466	614	604	609	421	391	411
28	253	237	245	491	466	481	618	592	607	468	421	446
29	273	250	262	499	490	495	593	583	588	486	467	477
30	275	261	266	504	496	501	593	583	589	488	476	481
31	---	---	---	509	496	501	586	570	576	---	---	---
MONTH	275	90	161	509	271	404	815	497	649	736	382	603

09251000 YAMPA RIVER NEAR MAYBELL, CO--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.7	8.5	8.6	8.5	8.4	8.4	8.4	8.4	8.4	8.3	8.2	8.3
2	8.6	8.5	8.6	8.5	8.4	8.4	8.4	8.4	8.4	8.3	8.2	8.3
3	8.6	8.5	8.6	8.5	8.4	8.4	8.4	8.4	8.4	8.3	8.2	8.2
4	8.6	8.5	8.6	8.5	8.4	8.4	8.4	8.4	8.4	8.3	8.2	8.2
5	8.6	8.5	8.6	8.5	8.4	8.4	8.4	8.4	8.4	8.2	8.2	8.2
6	8.6	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.4	8.2	8.2	8.2
7	8.6	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.4	8.2	8.1	8.2
8	8.6	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.4	8.2	8.1	8.1
9	8.6	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.4	8.2	8.1	8.1
10	8.6	8.5	8.6	8.5	8.4	8.4	8.4	8.4	8.4	8.2	8.1	8.1
11	8.6	8.5	8.6	8.5	8.4	8.4	8.4	8.4	8.4	8.2	8.1	8.1
12	8.6	8.5	8.6	8.5	8.4	8.5	8.4	8.4	8.4	8.2	8.1	8.2
13	8.6	8.5	8.6	8.5	8.4	8.4	8.4	8.4	8.4	8.2	8.2	8.2
14	8.7	8.5	8.6	8.5	8.4	8.4	8.4	8.4	8.4	8.3	8.2	8.2
15	8.6	8.5	8.6	8.4	8.4	8.4	8.4	8.3	8.4	8.3	8.2	8.3
16	8.6	8.5	8.6	8.5	8.4	8.4	8.4	8.3	8.3	8.3	8.3	8.3
17	8.6	8.5	8.6	8.5	8.4	8.4	8.4	8.3	8.4	8.4	8.3	8.3
18	8.6	8.5	8.6	8.5	8.4	8.4	8.4	8.3	8.4	8.3	8.3	8.3
19	8.6	8.5	8.5	8.5	8.4	8.5	8.4	8.4	8.4	8.3	8.3	8.3
20	8.6	8.5	8.5	8.5	8.4	8.5	8.4	8.3	8.4	8.4	8.3	8.3
21	8.5	8.5	8.5	8.5	8.4	8.4	8.4	8.3	8.3	8.4	8.3	8.4
22	8.6	8.5	8.5	8.5	8.4	8.4	8.3	8.3	8.3	8.4	8.3	8.4
23	8.6	8.5	8.6	8.4	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.3
24	8.6	8.5	8.5	8.4	8.4	8.4	8.3	8.3	8.3	8.4	8.3	8.3
25	8.6	8.5	8.5	8.4	8.4	8.4	8.3	8.3	8.3	8.4	8.3	8.3
26	8.6	8.5	8.5	8.4	8.4	8.4	8.3	8.3	8.3	8.4	8.3	8.3
27	8.6	8.4	8.5	8.4	8.4	8.4	8.3	8.3	8.3	8.4	8.3	8.4
28	8.5	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.3	8.4	8.4	8.4
29	8.5	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.3	8.5	8.4	8.5
30	8.5	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.3	8.6	8.5	8.5
31	8.5	8.4	8.4	---	---	---	8.3	8.2	8.3	8.6	8.5	8.5
MONTH	8.7	8.4	8.5	8.5	8.4	8.4	8.4	8.2	8.4	8.6	8.1	8.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.6	8.5	8.5	---	---	---	---	---	---	8.0	8.0	8.0
2	8.6	8.5	8.5	---	---	---	---	---	---	8.0	8.0	8.0
3	8.6	8.5	8.5	---	---	---	---	---	---	8.0	8.0	8.0
4	8.6	8.5	8.6	---	---	---	---	---	---	8.1	8.0	8.0
5	8.6	8.6	8.6	---	---	---	---	---	---	8.1	8.0	8.1
6	8.7	8.6	8.6	---	---	---	---	---	---	8.1	8.0	8.1
7	8.7	8.6	8.6	---	---	---	---	---	---	8.1	8.0	8.1
8	8.7	8.6	8.7	---	---	---	---	---	---	8.1	8.0	8.0
9	8.7	8.7	8.7	---	---	---	---	---	---	8.0	8.0	8.0
10	8.7	8.7	8.7	---	---	---	---	---	---	8.0	8.0	8.0
11	8.7	8.6	8.7	---	---	---	---	---	---	8.1	8.0	8.0
12	8.7	8.6	8.6	---	---	---	---	---	---	8.1	8.0	8.0
13	8.7	8.6	8.6	---	---	---	---	---	---	8.0	7.9	8.0
14	8.6	8.6	8.6	---	---	---	8.1	8.1	8.1	8.0	8.0	8.0
15	8.6	8.6	8.6	---	---	---	8.1	8.1	8.1	8.0	8.0	8.0
16	8.6	8.6	8.6	---	---	---	8.1	8.1	8.1	---	---	---
17	8.6	8.6	8.6	---	---	---	8.2	8.1	8.1	8.1	8.1	8.1
18	8.6	8.6	8.6	---	---	---	8.2	8.1	8.2	8.1	8.1	8.1
19	8.6	8.6	8.6	---	---	---	8.2	8.1	8.1	8.1	8.1	8.1
20	8.7	8.5	8.6	---	---	---	8.1	8.1	8.1	8.1	8.1	8.1
21	8.9	8.6	8.7	---	---	---	8.2	8.1	8.1	8.1	8.1	8.1
22	---	---	---	---	---	---	8.2	8.1	8.1	8.1	8.1	8.1
23	---	---	---	---	---	---	8.1	8.1	8.1	8.1	8.0	8.1
24	---	---	---	---	---	---	8.1	8.0	8.0	8.2	8.0	8.1
25	8.7	8.7	8.7	---	---	---	8.1	8.0	8.0	8.2	8.0	8.1
26	8.7	8.7	8.7	---	---	---	8.1	8.0	8.1	8.1	8.0	8.0
27	8.7	8.6	8.7	---	---	---	8.1	8.0	8.1	8.1	8.0	8.0
28	8.7	8.6	8.6	---	---	---	8.1	8.0	8.0	8.0	7.9	8.0
29	8.7	8.6	8.7	---	---	---	8.0	8.0	8.0	8.0	7.9	7.9
30	---	---	---	---	---	---	8.0	8.0	8.0	8.0	7.9	8.0
31	---	---	---	---	---	---	---	---	---	8.0	7.9	7.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

09251000 YAMPA RIVER NEAR MAYBELL, CO--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.9	7.8	7.9	8.6	8.3	8.4	8.7	8.3	8.5	8.8	8.5	8.7
2	7.9	7.8	7.8	8.6	8.3	8.4	8.7	8.2	8.5	8.8	8.6	8.7
3	7.9	7.8	7.8	8.6	8.4	8.5	8.7	8.2	8.4	8.8	8.6	8.7
4	7.9	7.8	7.9	8.6	8.4	8.5	8.6	8.2	8.4	8.8	8.6	8.7
5	7.9	7.8	7.9	8.6	8.4	8.5	8.6	8.2	8.4	8.8	8.5	8.6
6	7.9	7.8	7.9	8.6	8.4	8.5	8.6	8.2	8.4	8.8	8.5	8.6
7	7.9	7.8	7.9	8.6	8.4	8.5	8.7	8.2	8.4	8.6	8.3	8.5
8	7.9	7.8	7.9	8.5	8.3	8.4	8.7	8.2	8.4	8.6	8.3	8.4
9	7.9	7.9	7.9	8.5	8.3	8.4	8.7	8.2	8.5	8.6	8.3	8.5
10	7.9	7.9	7.9	8.5	8.3	8.4	8.6	8.2	8.4	8.6	8.3	8.4
11	7.9	7.9	7.9	8.6	8.3	8.5	8.7	8.2	8.4	8.6	8.3	8.5
12	7.9	7.9	7.9	8.6	8.4	8.5	8.8	8.2	8.5	8.5	8.3	8.4
13	8.0	7.9	7.9	8.6	8.4	8.5	8.8	8.2	8.5	8.5	8.3	8.4
14	8.0	7.9	8.0	8.7	8.4	8.6	8.8	8.2	8.5	8.5	8.3	8.4
15	8.0	7.8	7.9	8.7	8.4	8.6	8.8	8.3	8.5	8.5	8.3	8.4
16	8.0	7.8	7.9	8.7	8.4	8.6	8.7	8.3	8.5	8.5	8.3	8.4
17	8.0	7.8	7.9	8.7	8.4	8.6	8.7	8.2	8.5	8.5	8.3	8.4
18	8.0	8.0	8.0	8.7	8.5	8.6	8.8	8.3	8.5	8.5	8.3	8.4
19	8.1	8.0	8.1	8.8	8.6	8.7	8.8	8.3	8.5	8.5	8.3	8.4
20	8.3	8.0	8.1	8.8	8.6	8.7	8.8	8.4	8.6	8.5	8.4	8.4
21	8.3	8.1	8.2	8.8	8.7	8.7	8.8	8.4	8.6	8.5	8.4	8.4
22	8.4	8.2	8.3	8.8	8.6	8.7	8.7	8.4	8.6	8.5	8.3	8.4
23	8.3	8.1	8.2	8.8	8.6	8.7	8.7	8.4	8.6	8.5	8.4	8.4
24	8.2	8.1	8.1	8.7	8.5	8.6	8.8	8.4	8.6	8.5	8.3	8.4
25	8.2	8.1	8.1	8.7	8.4	8.6	8.8	8.4	8.6	8.4	8.3	8.3
26	8.2	8.1	8.1	8.7	8.4	8.6	8.8	8.4	8.6	8.4	8.3	8.4
27	8.2	7.7	8.2	8.7	8.4	8.6	8.8	8.4	8.6	8.5	8.3	8.4
28	8.3	8.0	8.2	8.7	8.3	8.5	8.8	8.4	8.6	8.6	8.5	8.6
29	8.4	8.1	8.2	8.7	8.3	8.5	8.8	8.4	8.6	8.7	8.5	8.6
30	8.4	8.2	8.3	8.7	8.3	8.5	8.7	8.5	8.6	8.7	8.6	8.6
31	---	---	---	8.7	8.3	8.5	8.8	8.5	8.6	---	---	---
MONTH	8.4	7.7	8.0	8.8	8.3	8.5	8.8	8.2	8.5	8.8	8.3	8.5

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.4	9.1	10.9	7.5	4.6	5.7	2.6	.3	1.4	.2	.0	.1
2	12.5	8.3	10.2	6.9	3.4	4.8	2.4	.4	1.2	.1	.0	.0
3	12.4	8.2	10.1	6.8	3.3	4.7	1.7	.4	1.1	.1	.0	.0
4	12.7	7.9	10.0	7.2	3.7	5.1	1.3	.0	.3	.1	.0	.1
5	13.0	8.3	10.5	7.7	4.1	5.6	.6	.0	.1	.1	.0	.0
6	13.4	10.1	11.5	7.5	4.3	5.6	.9	.0	.1	.1	.0	.0
7	13.5	10.6	11.5	7.0	4.1	5.3	.1	.0	.0	.1	.0	.1
8	13.5	9.1	11.2	7.5	4.3	5.5	.6	.0	.1	.1	.0	.1
9	14.3	10.1	11.9	7.7	4.5	5.7	.1	.0	.0	.1	.0	.1
10	14.6	10.5	12.3	7.2	4.1	5.3	.1	.0	.0	.1	.0	.1
11	14.6	10.8	12.5	6.6	4.1	5.1	.3	.0	.1	.1	.0	.1
12	14.3	10.4	12.1	6.2	3.4	4.5	.2	.0	.0	.2	.0	.1
13	14.2	10.1	11.9	5.7	2.8	3.9	.1	.0	.0	.2	.0	.1
14	13.5	9.6	11.3	5.4	2.4	3.5	.1	.0	.0	.2	.0	.1
15	11.5	8.9	10.2	4.9	1.9	3.1	.2	.0	.0	.2	.1	.1
16	8.9	5.8	7.5	4.7	1.9	3.0	.2	.0	.1	.1	.1	.1
17	7.6	4.1	5.7	5.9	2.2	3.8	.3	.0	.1	.2	.0	.1
18	7.8	5.2	6.2	5.6	3.4	4.5	.2	.0	.0	.1	.1	.1
19	8.1	4.7	6.2	4.1	2.2	3.0	.2	.0	.0	.2	.0	.1
20	8.4	4.6	6.3	2.9	2.0	2.4	.2	.0	.0	.2	.0	.1
21	8.9	5.1	6.8	2.8	1.4	1.9	.1	.0	.0	.2	.0	.0
22	8.9	5.4	6.9	2.0	.1	1.2	.1	.0	.0	.2	.0	.0
23	8.5	5.3	6.8	1.1	.0	.2	.2	.0	.0	.2	.0	.0
24	8.8	5.2	6.8	.6	.0	.1	.2	.0	.0	.1	.0	.0
25	8.7	5.2	6.7	.8	.0	.2	.1	.0	.0	.1	.0	.0
26	8.8	5.3	6.8	2.1	.0	.7	.2	.0	.0	.1	.0	.0
27	9.3	5.5	7.1	1.5	.2	.6	.2	.0	.0	.2	.0	.0
28	7.6	5.6	6.6	2.0	.0	.6	.2	.0	.1	.1	.0	.0
29	6.8	4.9	5.9	2.6	.2	1.2	.2	.0	.1	.2	.0	.0
30	6.6	3.5	4.9	2.6	.9	1.5	.2	.0	.1	.2	.0	.0
31	7.5	4.0	5.5	---	---	---	.2	.0	.1	.2	.0	.0
MONTH	14.6	3.5	8.7	7.7	.0	3.3	2.6	.0	.2	.2	.0	.1

09251000 YAMPA RIVER NEAR MAYBELL, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.2	.0	.0	---	---	---	---	---	---	11.2	9.0	10.2
2	.2	.0	.0	---	---	---	---	---	---	12.2	10.1	11.2
3	.3	.0	.1	---	---	---	---	---	---	12.7	11.0	11.9
4	.2	.0	.1	---	---	---	---	---	---	12.6	11.0	12.0
5	.2	.0	.0	---	---	---	---	---	---	12.6	11.3	12.0
6	.3	.0	.1	---	---	---	---	---	---	12.2	11.0	11.7
7	.3	.0	.1	---	---	---	---	---	---	11.9	10.3	10.8
8	.3	.0	.1	---	---	---	---	---	---	10.3	8.2	8.9
9	.3	.0	.1	---	---	---	---	---	---	9.4	7.0	8.2
10	.5	.0	.2	---	---	---	---	---	---	12.0	9.1	10.4
11	.7	.0	.2	---	---	---	---	---	---	11.4	9.5	10.6
12	.5	.0	.2	---	---	---	---	---	---	9.5	6.7	7.7
13	.6	.0	.1	---	---	---	---	---	---	7.8	5.6	6.8
14	.6	.0	.2	---	---	---	10.9	9.1	10.1	10.5	7.3	8.9
15	1.4	.0	.3	---	---	---	10.1	8.4	9.2	12.7	10.3	11.3
16	.5	.0	.1	---	---	---	9.6	7.6	8.7	13.0	10.6	11.9
17	1.0	.0	.2	---	---	---	11.1	7.6	9.3	12.3	10.1	11.1
18	1.4	.0	.3	---	---	---	11.0	9.7	10.4	10.1	8.2	9.4
19	1.9	.0	.4	---	---	---	9.8	7.4	8.3	11.0	7.9	9.4
20	1.4	.0	.3	---	---	---	9.3	6.0	7.6	14.2	10.7	12.3
21	1.8	.0	.3	---	---	---	10.4	7.7	9.1	14.9	12.7	13.8
22	.1	.1	.1	---	---	---	10.4	9.2	9.8	14.8	13.1	14.0
23	.1	.1	.1	---	---	---	11.0	8.8	9.9	15.0	12.9	14.1
24	.1	.1	.1	---	---	---	10.1	8.4	9.2	14.7	13.2	13.7
25	2.3	.1	.8	---	---	---	10.2	7.9	9.0	13.2	10.9	11.8
26	1.8	.0	.6	---	---	---	11.9	8.6	10.1	11.9	10.6	11.1
27	3.3	.0	1.6	---	---	---	14.0	10.5	12.2	11.1	9.3	10.3
28	4.3	2.1	3.0	---	---	---	13.8	11.6	12.7	13.8	10.5	12.0
29	6.0	2.8	4.3	---	---	---	12.4	10.6	11.6	14.4	12.2	13.4
30	---	---	---	---	---	---	10.7	9.3	10.1	14.6	12.6	13.7
31	---	---	---	---	---	---	---	---	---	14.3	12.4	13.5
MONTH	6.0	.0	.5	---	---	---	---	---	---	15.0	5.6	11.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.1	12.2	13.2	23.6	20.1	21.8	27.6	19.5	23.1	19.8	17.0	18.2
2	14.1	11.9	13.1	22.4	19.5	21.0	27.8	20.5	23.4	20.0	15.7	17.6
3	14.7	12.1	13.5	22.0	18.7	20.5	26.4	19.4	22.4	20.1	14.8	17.2
4	15.3	13.0	14.3	21.8	17.9	19.9	27.4	19.7	23.0	20.2	15.2	17.3
5	15.4	13.3	14.6	21.9	17.2	19.8	25.2	19.5	22.6	21.3	15.6	17.8
6	15.9	14.0	15.0	22.0	17.6	20.0	27.2	18.2	22.6	20.3	15.0	17.2
7	16.4	14.0	15.3	22.3	17.7	20.3	26.0	17.6	21.5	21.4	12.7	16.8
8	16.3	14.7	15.6	22.6	20.0	21.1	27.3	16.8	21.8	21.4	14.9	17.2
9	15.9	14.2	15.4	23.8	19.6	21.3	27.8	18.0	22.5	20.8	13.8	16.9
10	15.5	12.9	14.3	23.6	18.8	21.1	27.2	19.1	22.9	21.1	12.9	16.8
11	16.3	13.6	14.9	23.9	19.4	21.8	27.4	18.8	22.8	21.2	12.4	16.6
12	16.6	14.4	15.5	23.6	20.4	21.9	28.0	18.3	22.5	22.4	13.1	17.5
13	17.4	14.6	15.9	24.7	20.5	22.6	27.8	18.0	22.2	22.7	13.5	17.9
14	17.8	14.7	16.2	25.9	21.1	23.5	27.1	17.9	21.5	23.3	14.1	18.4
15	18.3	15.5	16.8	26.5	22.3	23.6	26.9	17.7	21.8	23.0	14.4	18.4
16	17.5	15.0	16.2	27.5	21.2	23.6	25.9	19.2	21.4	23.0	14.0	18.2
17	18.1	14.4	16.3	25.1	20.7	22.9	26.8	17.3	20.9	19.4	14.2	16.9
18	17.7	15.2	16.5	25.3	19.5	22.1	25.8	17.5	20.8	21.4	14.1	17.3
19	16.7	15.1	15.8	25.3	19.8	22.3	26.2	17.6	21.3	20.6	13.3	16.7
20	18.0	14.2	16.1	25.1	20.0	22.5	24.9	17.9	20.9	20.2	12.3	15.9
21	18.6	15.4	17.0	25.1	19.8	22.4	25.0	16.8	20.3	14.7	12.1	13.2
22	19.4	15.8	17.7	25.9	19.2	22.5	19.7	16.7	18.2	13.1	10.1	11.9
23	20.2	17.2	18.7	25.6	19.5	22.3	22.9	14.9	18.6	10.1	6.9	8.6
24	20.8	17.3	19.1	24.5	20.0	21.6	25.2	16.4	20.4	9.4	6.6	8.1
25	19.5	18.3	18.9	24.8	18.5	21.0	26.2	18.3	21.5	11.4	7.6	9.7
26	18.7	17.0	17.8	25.4	18.9	21.5	24.0	18.6	20.9	12.9	9.6	11.3
27	19.8	15.9	17.9	24.8	19.4	21.7	25.3	18.9	21.8	14.1	10.5	12.4
28	21.4	16.7	19.1	26.7	19.3	22.4	23.5	19.4	21.1	14.9	11.6	13.3
29	22.4	18.1	20.4	26.2	19.1	22.4	24.7	17.8	21.0	15.9	13.1	14.3
30	22.8	18.3	20.8	26.3	19.9	22.5	22.2	19.4	20.6	16.8	13.2	14.8
31	---	---	---	26.3	19.2	22.4	21.4	18.0	19.4	---	---	---
MONTH	22.8	11.9	16.4	27.5	17.2	21.8	28.0	14.9	21.5	23.3	6.6	15.5

09251100 YAMPA RIVER ABOVE LITTLE SNAKE RIVER, NEAR MAYBELL, CO

LOCATION.--Lat 40°27'39", long 108°25'30", in NW$^1/_4$NE$^1/_4$ sec.20, T.6 N., R.98 W., Moffat County, Hydrologic Unit 14050002, attached to center pier of Moffat Count Road 25 bridge 1 mi upstream from the mouth of Little Snake River and 18 mi west of Maybell.

DRAINAGE AREA.--3,837 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1996 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,640 ft above sea level, from topographic map.

REMARKS.--Record good, except for estimated daily discharges, which are poor. Natural flow of stream affected by transbasin diversions, numerous storage reservoirs and diversions for irrigation of about 65,800 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	283	332	363	e335	463	416	1430	6240	e9700	1350	101	180
2	303	315	342	e340	449	451	1140	5680	e9100	e1100	119	201
3	306	305	349	e330	428	462	1010	6100	e8100	e1000	128	201
4	297	294	333	e350	416	477	1110	6840	e7730	e800	99	196
5	291	309	269	e335	454	496	954	7200	e7340	e600	81	186
6	299	310	288	e350	458	541	1100	7640	e6150	e550	65	167
7	287	315	295	e345	443	591	2270	7910	e6000	e500	74	150
8	273	320	309	e350	417	616	2610	7700	e5830	e460	72	125
9	303	327	274	e365	439	667	2330	7180	e5690	e430	62	121
10	312	308	326	e380	399	676	2370	6160	e5490	e400	67	115
11	323	305	280	e390	387	640	2900	5840	e4790	386	62	111
12	314	332	275	e385	417	567	3170	6820	e4010	454	e60	113
13	308	340	296	e360	431	521	3280	6000	e3400	413	e60	114
14	293	321	368	e370	415	542	3390	5010	3140	357	e55	113
15	283	311	274	e380	433	510	3630	4590	3080	314	e40	103
16	286	315	298	e385	386	517	3730	4380	2720	264	e30	101
17	305	315	289	e410	397	558	3280	4450	2540	238	73	109
18	329	332	326	e415	427	517	2900	5350	2300	237	73	106
19	333	334	325	e425	364	499	3540	5080	1950	248	73	105
20	322	363	e330	e405	344	535	3530	4410	1780	256	e70	100
21	326	393	e320	e425	367	501	3060	4150	2060	302	70	105
22	335	359	e315	e420	398	528	3040	4440	2370	261	110	135
23	352	353	e300	e440	386	491	3360	4950	1950	227	117	175
24	364	292	e295	e430	409	490	4290	5990	1670	187	137	206
25	337	289	e285	e440	407	542	4960	7570	1540	150	154	280
26	324	321	e300	e460	411	822	4520	7820	1470	152	e150	412
27	316	334	e330	e475	358	918	4130	8400	1420	129	e155	423
28	306	323	e355	e435	435	1150	4830	8510	1400	121	e160	368
29	314	377	e340	e425	408	1360	6020	7850	1390	97	e155	361
30	313	363	e345	e450	---	1530	6810	8420	1350	91	e160	328
31	329	---	e350	471	---	1560	---	e9900	---	99	165	---
TOTAL	9666	9807	9744	12276	11946	20691	94694	198580	117460	12173	2997	5510
MEAN	312	327	314	396	412	667	3156	6406	3915	393	96.7	184
MAX	364	393	368	475	463	1560	6810	9900	9700	1350	165	423
MIN	273	289	269	330	344	416	954	4150	1350	91	30	100
AC-FT	19170	19450	19330	24350	23690	41040	187800	393900	233000	24150	5940	10930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	576	513	379	433	442	1194	3212	7309	6240	1408	469	476
MAX	1250	758	494	532	546	1908	4258	9419	9348	2004	921	1448
(WY)	1998	1998	1998	1998	1998	1998	1998	1997	1997	1998	1997	1997
MIN	312	327	314	396	403	667	2143	5400	3915	393	96.7	184
(WY)	2000	2000	2000	2000	1999	2000	1999	1999	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	550167		505544			
ANNUAL MEAN	1507		1381		1887	
HIGHEST ANNUAL MEAN					2458	1997
LOWEST ANNUAL MEAN					1381	2000
HIGHEST DAILY MEAN	9610	Jun 1	e9900	May 31	15500	Jun 5 1997
LOWEST DAILY MEAN	190	Sep 19	e30	Aug 16	30	Aug 16 2000
ANNUAL SEVEN-DAY MINIMUM	216	Sep 13	53	Aug 10	53	Aug 10 2000
INSTANTANEOUS PEAK FLOW			unknown		16400	Jun 5 1997
INSTANTANEOUS PEAK STAGE			unknown		10.74	Jun 5 1997
ANNUAL RUNOFF (AC-FT)	1091000		1003000		1367000	
10 PERCENT EXCEEDS	5100		4980		6420	
50 PERCENT EXCEEDS	440		378		542	
90 PERCENT EXCEEDS	282		118		259	

e Estimated.

09251100 YAMPA RIVER ABOVE LITTLE SNAKE RIVER NEAR MAYBELL, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1997 to current year.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)
APR								
05...	1530	908	33	81	--	--	--	--
19...	1435	3930	391	4150	--	--	--	--
MAY								
02...	1615	5670	458	7010	22	33	41	56
26...	1240	7620	519	10700	21	34	41	52
JUL								
05...	1450	558	13	20	--	--	--	--

DATE	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
APR							
05...	--	--	--	--	--	--	91
19...	--	59	70	82	100	--	--
MAY							
02...	69	70	80	90	100	--	--
26...	60	63	78	81	94	100	--
JUL							
05...	--	--	--	--	--	--	85

BEDLOAD SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	TEMPER-ATURE WATER (DEG C) (00010)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SEDI-MENT DIS-CHARGE, BEDLOAD (TONS/ DAY) (80225)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .062 MM (80226)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .125 MM (80227)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .250 MM (80228)
APR								
05...	1530	10.8	908	--	.44	0	1	3
19...	1435	8.2	3930	366	86	0	2	14
MAY								
02...	1615	12.9	5670	216	144	0	1	13
26...	1240	14.2	7620	144	442	0	0	2
JUL								
05...	1450	20.1	558	339	.24	0	3	3

DATE	SED. BEDLOAD SIEVE DIAM. % FINER THAN .500 MM (80229)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 1.00 MM (80230)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 2.00 MM (80231)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 4.00 MM (80232)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 8.00 MM (80233)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 16.0 MM (80234)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 32.0 MM (80235)
APR							
05...	70	94	98	100	--	--	--
19...	96	99	100	100	100	--	--
MAY							
02...	80	94	98	99	100	--	--
26...	28	66	78	81	82	83	100
JUL							
05...	62	86	100	--	--	--	--

09255000 SLATER FORK NEAR SLATER, CO

LOCATION.--Lat 40°58'57", long 107°22'56", in $SW^1/_4NE^1/_4$ sec.21, T.12 N., R.89 W., Moffat County, Hydrologic Unit 14050003, on right bank 15 ft downstream from highway bridge, 1.0 mi upstream from mouth, and 1.5 mi south of Slater.

DRAINAGE AREA.--161 mi^2.

PERIOD OF RECORD.--May to October, December 1910, March to October 1911, and April to May 1912 (published as Slater Creek), July 1931 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 618: 1910-11. WSP 764: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,600 ft above sea level, from river-profile map. May 28, 1910 to May 25, 1912, nonrecording gage at site 1.5 mi upstream at different datum. July 9, 1931 to May 6, 1932, nonrecording gage at site 0.2 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 500 acres upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e19	e20	24	e22	22	26	32	e419	e312	14	2.5	7.8
2	e19	20	23	e22	24	26	34	e465	e239	13	1.7	6.8
3	e20	22	21	e22	23	25	30	e515	e232	12	1.5	7.5
4	e20	22	19	e23	21	26	33	e523	e215	11	1.7	7.5
5	20	23	14	26	22	e29	69	e559	e188	8.8	2.0	6.3
6	20	21	20	27	22	e29	82	e558	e165	6.4	2.7	5.2
7	31	20	21	25	21	e31	79	e483	170	5.6	2.5	3.9
8	37	22	19	30	22	e28	72	e452	140	4.5	2.2	2.9
9	26	21	15	28	22	27	101	e319	123	6.9	2.6	4.1
10	23	20	21	28	23	e25	118	e463	115	31	2.0	10
11	21	21	20	26	26	e11	118	e522	91	18	2.5	7.4
12	20	19	21	25	25	e14	132	e341	73	13	2.5	5.5
13	19	19	21	23	23	e16	167	e260	63	10	2.3	4.5
14	19	19	21	25	25	25	202	e250	59	10	1.5	4.0
15	19	19	21	25	23	26	214	e257	54	8.1	1.3	4.3
16	19	20	24	25	22	24	142	e279	48	7.8	2.3	3.9
17	15	21	24	26	28	25	189	e358	44	8.1	3.1	4.1
18	21	29	23	29	25	24	279	e307	37	8.8	4.2	4.4
19	18	20	22	36	23	24	202	e335	32	12	4.9	4.3
20	19	25	23	29	26	25	160	e278	45	9.7	5.8	4.2
21	e20	23	23	30	31	26	197	e308	60	6.8	4.5	4.8
22	e20	22	22	25	29	24	243	e336	36	6.3	3.1	8.2
23	20	17	23	23	28	29	326	e404	32	5.3	3.0	59
24	20	12	22	21	27	36	e407	e491	27	4.6	3.1	31
25	19	18	23	27	26	33	e450	e418	26	4.5	3.3	20
26	20	31	e22	26	27	40	e500	e540	29	4.3	3.5	13
27	20	29	e22	22	29	47	e525	e395	26	4.0	5.5	11
28	20	26	e22	13	29	54	e528	e360	24	6.7	8.1	11
29	e20	23	e22	22	27	48	e558	e454	25	6.0	7.5	10
30	e20	25	e22	16	---	43	e432	e431	18	4.2	7.4	11
31	e20	---	e22	20	---	36	---	e367	---	3.4	7.1	---
TOTAL	644	649	662	767	721	902	6621	12447	2748	274.8	107.9	287.6
MEAN	20.8	21.6	21.4	24.7	24.9	29.1	221	402	91.6	8.86	3.48	9.59
MAX	37	31	24	36	31	54	558	559	312	31	8.1	59
MIN	15	12	14	13	21	11	30	250	18	3.4	1.3	2.9
AC-FT	1280	1290	1310	1520	1430	1790	13130	24690	5450	545	214	570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	20.1	19.4	17.5	17.3	18.7	29.8	120	384	255	38.3	9.99	11.7
MAX	62.4	49.2	44.1	36.9	46.5	144	323	801	660	189	38.4	55.0
(WY)	1986	1985	1985	1985	1986	1998	1985	1984	1995	1983	1945	1984
MIN	7.29	7.73	7.30	4.42	9.82	12.6	25.2	45.7	23.6	1.27	1.39	3.20
(WY)	1934	1934	1932	1992	1981	1965	1933	1934	1977	1977	1994	1960

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1932 - 2000	
ANNUAL TOTAL	37303.8		26831.3			
ANNUAL MEAN	102		73.3		78.6	
HIGHEST ANNUAL MEAN					157	1984
LOWEST ANNUAL MEAN					20.5	1934
HIGHEST DAILY MEAN	760	May 30	559	May 5	1500	May 16 1984
LOWEST DAILY MEAN	8.7	Aug 20	1.3	Aug 15	a.00	Aug 2 1934
ANNUAL SEVEN-DAY MINIMUM	10	Aug 14	2.0	Aug 2	.00	Aug 2 1934
INSTANTANEOUS PEAK FLOW			759	Apr 29	b2250	May 16 1984
INSTANTANEOUS PEAK STAGE			7.35	Apr 29	c11.78	May 16 1984
ANNUAL RUNOFF (AC-FT)	73990		53220		56970	
10 PERCENT EXCEEDS	375		279		258	
50 PERCENT EXCEEDS	25		23		20	
90 PERCENT EXCEEDS	14		4.4		7.1	

e Estimated.
a Also occurred several days during years 1936, 1954, and 1977.
b From rating curve extended above 1000 ft^3/s.
c From floodmark.

09260000 LITTLE SNAKE RIVER NEAR LILY, CO

LOCATION.--Lat 40°32'50", long 108°25'25", in $NW^1/_4NE^1/_4$ sec.20, T.7 N., R.98 W., Moffat County, Hydrologic Unit 14050003, on left bank 170 ft downstream from highway bridge, 6.0 mi north of Lily, and 10 mi upstream from mouth.

DRAINAGE AREA.--3,730 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June to August 1904 (published as "near Maybell"), October 1921 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1713: 1959.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,685 ft above sea level, from river-profile map. June 9 to Aug. 14, 1904, nonrecording gage, and May 5, 1922 to Nov. 30, 1935, water-stage recorder, at site 300 ft upstream at different datums.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 21,000 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	123	169	e125	e155	195	334	2150	2610	95	13	3.6
2	96	127	156	e130	e170	188	286	1950	2330	70	14	3.2
3	103	124	148	e135	e180	186	242	1920	1740	58	14	4.2
4	108	128	162	e140	e200	175	228	2250	e1420	55	12	5.0
5	107	129	77	e135	e195	175	228	2380	e1320	53	10	3.3
6	105	115	72	e130	e220	160	190	2560	e1210	50	7.9	1.4
7	114	122	133	e135	e245	179	263	2750	1150	48	6.2	1.0
8	108	131	113	e130	e250	207	561	2590	1050	45	3.0	2.1
9	105	133	139	e135	e270	222	562	2390	969	43	e1.9	4.7
10	107	127	e135	e140	e290	234	427	1960	900	42	e1.8	1.4
11	131	129	e130	e135	e260	203	533	1810	783	80	e2.1	.60
12	130	127	e135	e130	e265	209	652	2570	715	145	e1.9	.54
13	119	122	e125	e135	e235	181	650	2140	615	45	e2.2	.45
14	105	116	e130	e150	e240	160	740	1740	513	41	e2.5	.37
15	97	113	e120	e145	e245	188	909	1480	443	39	3.9	.37
16	100	113	e115	e160	e240	175	1130	1300	392	36	3.2	.38
17	99	114	e110	e170	e190	173	1300	1250	296	34	3.6	.37
18	102	113	e115	e175	e205	177	880	1510	270	35	2.9	.40
19	103	106	e110	e165	e190	137	946	2020	256	e31	2.9	.34
20	110	126	e115	e185	e195	146	1220	1940	225	e30	1.7	.35
21	101	155	e110	e190	e190	93	1140	1910	189	e27	1.1	.39
22	114	138	e125	e210	e205	197	963	1870	192	e28	1.4	.40
23	113	97	e115	e220	e210	202	1130	1780	266	e25	1.8	.37
24	111	45	e120	e215	e215	142	1350	1920	189	e24	.99	36
25	113	81	e115	e230	e235	295	1790	2410	153	32	1.2	301
26	112	136	e110	e210	e180	299	1650	2580	143	e24	1.3	830
27	114	192	e105	e215	164	263	1280	2960	129	e19	1.9	821
28	111	193	e115	e200	182	258	1450	2900	111	e15	.74	479
29	120	173	e120	e175	206	333	1950	2610	94	13	2.0	296
30	115	175	e125	e145	---	400	2320	2550	110	14	4.6	239
31	112	---	e130	e130	---	380	---	2970	---	14	3.6	---
TOTAL	3379	3823	3799	5025	6227	6532	27304	67120	20783	1310	131.33	3037.23
MEAN	109	127	123	162	215	211	910	2165	693	42.3	4.24	101
MAX	131	193	169	230	290	400	2320	2970	2610	145	14	830
MIN	94	45	72	125	155	93	190	1250	94	13	.74	.34
AC-FT	6700	7580	7540	9970	12350	12960	54160	133100	41220	2600	260	6020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	116	123	99.7	92.7	126	381	1074	2594	1904	306	70.4	56.6
MAX	385	363	244	227	595	1260	3259	5967	4601	1395	534	314
(WY)	1926	1928	1928	1999	1986	1962	1952	1984	1983	1995	1941	1965
MIN	.000	.000	25.0	16.0	18.0	80.5	320	477	36.7	.29	.000	.000
(WY)	1935	1935	1931	1933	1933	1964	1961	1934	1934	1934	1924	1934

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1922 - 2000	
ANNUAL TOTAL	272200		148470.56			
ANNUAL MEAN	746		406		580	
HIGHEST ANNUAL MEAN					1252	1984
LOWEST ANNUAL MEAN					110	1934
HIGHEST DAILY MEAN	5260	May 25	2970	May 31	13400	May 18 1984
LOWEST DAILY MEAN	36	Aug 20	.34	Sep 19	a.00	Jul 30 1924
ANNUAL SEVEN-DAY MINIMUM	47	Aug 16	.37	Sep 14	.00	Jul 30 1924
INSTANTANEOUS PEAK FLOW			4200	May 27	16700	May 18 1984
INSTANTANEOUS PEAK STAGE			5.40	May 27	b9.85	May 18 1984
ANNUAL RUNOFF (AC-FT)	539900		294500		420000	
10 PERCENT EXCEEDS	2680		1460		1960	
50 PERCENT EXCEEDS	210		136		130	
90 PERCENT EXCEEDS	76		3.1		13	

e Estimated.
a Also occurred Jul 31 to Sep 11, Sep 13-20, 1924, Aug 25-29, Aug 31 to Sep 13, and Sep 28-29, 1994.
b Maximum gage height, 11.10 ft, Feb 13, 1962 backwater from ice.

09260000 LITTLE SNAKE RIVER NEAR LILY, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 1969 to September 1986, October 1994 to September 1998, March to September 2000.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1975 to September 1985.
WATER TEMPERATURES: July 1975 to September 1985.

INSTRUMENTATION:--Water-quality monitor July 1975 to September 1985.

REMARKS.--Unpublished maximum and minimum specific conductance data for period of daily record are available in district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 2,020 microsiemens Oct. 11, 1977; minimum, 110 microsiemens June 1, 1985.
WATER TEMPERATURE: Maximum, 32.0°C Aug. 6, 1981; minimum, 0.0°C, on many days during winter months.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)
MAR									
27...	1415	271	3210	2350	--	--	--	--	--
APR									
04...	1700	250	663	448	24	33	39	43	46
18...	1545	792	2460	5260	62	74	81	86	87
27...	1345	1160	619	1940	--	--	--	--	--
MAY									
02...	1410	1970	1330	7070	17	25	29	37	45
25...	1800	3070	220	1820	--	--	--	--	--
JUN									
06...	1300	1270	194	665	--	--	--	--	--

DATE	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM (70335)	SED. SUSP. SIEVE DIAM. % FINER THAN 2.00 MM (70336)
MAR								
27...	--	--	--	--	--	100	--	--
APR								
04...	46	52	58	76	94	--	94	100
18...	88	92	94	99	100	--	--	--
27...	--	--	--	--	--	93	--	--
MAY								
02...	46	59	76	98	100	--	--	--
25...	46	93	100	--	--	--	--	--
JUN								
06...	--	--	--	--	--	52	--	--

09260050 YAMPA RIVER AT DEERLODGE PARK, CO

LOCATION.--Lat 40°27'06", long 108°31'28", in $SE^1/_4SW^1/_4$ sec.21, T.6 N., R.99 W., Moffat County, Hydrologic Unit 14050002, in Dinosaur National Monument, on left bank at Deerlodge Park, 1,150 ft upstream from Disappointment Draw and 5.5 mi downstream from Little Snake River.

DRAINAGE AREA.--7,660 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1975 and January 1978 (discharge measurements only) April 1982 to September 1994, and October 1996 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,600 ft above sea level, from topographic map. Prior to Oct. 1, 1996, gage located 100 ft upstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transbasin diversions, numerous storage reservoirs and diversions for irrigation of about 86,800 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	346	453	485	e435	e495	e680	e1730	e8390	e10200	962	167	187
2	364	445	449	e440	e505	677	e1440	e7630	e10100	865	155	231
3	387	430	431	e430	e515	e710	e1310	e8020	e9110	793	147	231
4	389	413	446	e450	e520	e730	e1410	e9090	7660	717	122	222
5	389	437	365	e435	e540	e745	e1180	e9580	e7470	655	104	213
6	389	424	247	e455	e545	e790	e1920	e10200	7000	569	87	169
7	380	425	282	e445	e540	e840	e2530	e10700	e6750	518	83	148
8	355	437	328	e450	e520	e870	e3170	e10300	e6570	474	85	129
9	384	448	236	e465	e535	e880	e2890	e9570	e5950	464	72	127
10	394	425	356	e480	e505	e875	e2790	e8120	5260	450	67	108
11	422	422	356	e490	e480	e840	e3430	e7650	4820	459	75	106
12	428	450	371	e485	e490	e760	e3820	e9390	4160	650	55	106
13	416	462	364	e470	e485	e720	e3930	e8140	e3450	555	49	97
14	393	440	466	e460	e470	e740	e4130	e6750	3010	453	47	86
15	377	418	467	e480	e465	e710	e4540	e6070	2880	399	34	81
16	381	420	408	e485	e480	e720	e4860	e5680	2560	345	28	82
17	394	415	382	e500	e490	e760	e4580	e5700	2380	311	47	89
18	419	421	491	e510	e495	e720	e3780	e6860	2150	305	45	84
19	430	410	e435	e505	e470	e700	e4480	e7100	1860	305	55	113
20	414	436	e445	e515	e440	e735	e4750	e6350	1740	304	36	114
21	412	502	e565	e525	e460	e700	e4200	e6060	1990	337	40	104
22	419	486	e415	e510	e480	e690	e4000	e6310	2310	321	63	219
23	442	464	e400	e520	e500	e695	e4490	e6730	1900	289	78	194
24	470	357	e395	e510	e520	e720	e5640	6840	1690	268	79	416
25	438	287	e385	e525	e570	e720	e6750	8740	1490	234	112	1070
26	423	384	e400	e530	e590	e1020	e6170	9630	1380	221	143	1130
27	423	437	e430	e540	e605	e1180	e5410	10200	1320	202	148	1100
28	407	479	e455	e530	e635	e1410	e6280	10800	1280	185	128	910
29	416	523	e440	e520	e655	e1680	e7970	9570	1220	169	125	634
30	416	499	e445	e515	---	e1930	e9130	9860	1080	158	162	548
31	437	---	e485	e505	---	e1940	---	10900	---	162	163	---
TOTAL	12554	13049	12625	15115	15000	27887	122710	256930	120740	13099	2801	9048
MEAN	405	435	407	488	517	900	4090	8288	4025	423	90.4	302
MAX	470	523	565	540	655	1940	9130	10900	10200	962	167	1130
MIN	346	287	236	430	440	677	1180	5680	1080	158	28	81
AC-FT	24900	25880	25040	29980	29750	55310	243400	509600	239500	25980	5560	17950

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	614	637	460	450	590	1516	3886	8702	7384	1763	543	410
MAX	1412	1127	832	742	1811	3200	8211	18330	16120	5890	1537	1594
(WY)	1998	1986	1985	1998	1986	1986	1985	1984	1984	1983	1984	1997
MIN	133	189	236	210	223	653	1965	3120	2117	202	66.6	66.4
(WY)	1990	1990	1990	1989	1989	1988	1992	1990	1992	1994	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1983 - 2000	
ANNUAL TOTAL	811255		621558			
ANNUAL MEAN	2223		1698		2250	
HIGHEST ANNUAL MEAN					4286	1984
LOWEST ANNUAL MEAN					1062	1992
HIGHEST DAILY MEAN	13700	Jun 1	10900	May 31	32300	May 18 1984
LOWEST DAILY MEAN	236	Dec 9	28	Aug 16	28	Aug 16 2000
ANNUAL SEVEN-DAY MINIMUM	287	Sep 14	41	Aug 15	36	Sep 5 1989
INSTANTANEOUS PEAK FLOW			11700	May 31	33200	May 18 1984
INSTANTANEOUS PEAK STAGE			9.76	May 31	19.13	May 18 1984
ANNUAL RUNOFF (AC-FT)	1609000		1233000		1630000	
10 PERCENT EXCEEDS	7760		6420		6960	
50 PERCENT EXCEEDS	600		485		700	
90 PERCENT EXCEEDS	359		128		230	

e Estimated.

09260050 YAMPA RIVER AT DEERLODGE PARK, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1977 to September 1981 published as "09260025, below Little Snake River." April 1982 to September 1983, October 1993 to September 1994, October 1996 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1977 to September 1982.
WATER TEMPERATURE: October 1979 to September 1982 .

INSTRUMENTATION.--Water-quality monitor November 1977 to September 1982.

REMARKS.--Unpublished maximum and minimum specific conductance data for period of daily record available in district office. November 1977 to April 1980, all water-quality data collected approximately 3.5 mi upstream. All data subsequent to April 1980 were collected at present site.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1040 microsiemens, Oct. 4, 1979; minimum, 64 microsiemens, July 13, 1978.
WATER TEMPERATURE: Maximum, 29.5°C Aug. 2, 1980; minimum, 0.0°C on many days during winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT											
21...	1600	410	622	8.6	10.7	9.8	K6	K4	210	46.6	23.0
MAR											
01...	1400	641	851	8.4	6.2	10.9	78	K19	280	57.7	33.4
16...	1430	797	839	8.6	6.0	11.1	--	--	280	57.3	34.0
JUN											
08...	1146	6730	133	8.0	17.1	7.6	62	49	47	13.0	3.66
AUG											
21...	1300	38	760	8.4	26.0	7.2	44	K18	230	52.2	24.0

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT											
21...	48.7	1	2.8	172	--	132	19.0	.3	7.4	383	.52
MAR											
01...	71.7	2	2.8	176	--	233	24.2	.3	7.6	538	.73
16...	66.3	2	2.9	--	167	225	19.9	.2	6.7	514	.70
JUN											
08...	6.3	.4	.7	44	--	15.2	1.9	<.1	8.2	76	.10
AUG											
21...	70.9	2	4.5	180	--	152	42.8	.3	7.2	462	.63

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
OCT										
21...	433	<.010	<.050	<.020	.28	.19	.031	E.003	<.010	--
MAR										
01...	931	<.010	.318	<.020	.29	.24	.038	.013	<.010	--
16...	1110	<.010	.245	<.020	--	.31	--	<.050	<.010	5.4
JUN										
08...	1370	<.010	<.050	<.020	.36	.18	.061	.018	.010	--
AUG										
21...	47.4	<.001	.011	<.002	.38	.29	.047	E.005	<.001	--

09260050 YAMPA RIVER AT DEERLODGE PARK, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
OCT										
21...	<.1	E1	470	<1	21	2	<.2	<2.4	<.2	<20
MAR										
01...	<.1	E1	860	<1	26	5	<.2	3.5	<.2	<20
JUN										
08...	<.1	E1	960	<1	37	E1	<.2	<2.4	<.2	<20
AUG										
21...	<.1	E1	660	<1	42	7	<.2	<2.4	<.2	<20

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)
OCT				
08...	1205	342	620	12.3
NOV				
18...	1120	425	662	5.4
JAN				
31...	1052	483	849	.0
FEB				
28...	1250	641	850	5.0
APR				
05...	1045	1240	743	9.1
19...	1115	3980	356	7.0
MAY				
03...	1020	7780	--	12.4
JUL				
05...	1655	645	373	23.3
20...	1214	283	517	26.5
SEP				
04...	1215	216	646	18.0

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)
OCT									
21...	1600	410	18	20	--	--	--	--	--
MAR									
01...	1400	641	34	59	--	--	--	--	--
APR									
05...	1045	1240	182	609	--	--	--	--	--
19...	1115	3980	747	8030	28	44	56	59	68
MAY									
03...	1020	7780	782	16400	19	26	30	39	46
JUL									
05...	1655	645	1100	1920	--	--	--	--	--

DATE	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM (70335)	SED. SUSP. SIEVE DIAM. % FINER THAN 2.00 MM (70336)
OCT								
21...	--	--	--	--	--	--	--	--
MAR								
01...	--	--	--	--	--	98	--	--
APR								
05...	61	65	70	89	91	--	91	100
19...	70	80	87	96	100	--	--	--
MAY								
03...	49	66	79	91	99	--	99	100
JUL								
05...	2	3	19	77	98	--	98	100

09260050 YAMPA RIVER AT DEERLODGE PARK, CO--Continued

BEDLOAD SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	TEMPER-ATURE WATER (DEG C) (00010)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SEDI-MENT DIS-CHARGE, BEDLOAD (TONS/ DAY) (80225)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .062 MM (80226)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .125 MM (80227)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .250 MM (80228)
APR								
05...	1045	9.1	1240	743	510	0	0	1
19...	1115	7.0	3980	356	323	0	0	1
MAY								
03...	1020	12.4	7780	--	2090	0	1	7
JUL								
05...	1655	23.3	645	373	355	0	0	4

DATE	SED. BEDLOAD SIEVE DIAM. % FINER THAN .500 MM (80229)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 1.00 MM (80230)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 2.00 MM (80231)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 4.00 MM (80232)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 8.00 MM (80233)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 16.0 MM (80234)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 32.0 MM (80235)
APR							
05...	38	80	95	98	100	--	--
19...	16	58	83	89	92	96	100
MAY							
03...	42	78	94	97	99	100	--
JUL							
05...	67	94	99	100	100	--	--

09303000 NORTH FORK WHITE RIVER AT BUFORD, CO

LOCATION.--Lat 39°59'15", long 107°36'50", in $NW^1/_4NW^1/_4$ sec.9, T.1 S., R.91 W., Rio Blanco County, Hydrologic Unit 14050005, on right bank 600 ft east of Buford and 1.2 mi upstream from South Fork White River.

DRAINAGE AREA.--259 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1910 to December 1915, July 1919 to December 1920, October 1951 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as North Fork White River near Buford prior to 1951 and as White River at Buford 1951-67. Records for July 1903 to December 1906 at site 6.5 mi upstream not equivalent because of inflow between sites.

REVISED RECORDS.--WSP 1343: 1912. WDR CO-89-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,010 ft above sea level, from topographic map. May 24, 1910 to May 27, 1914, nonrecording gage at site 1.5 mi upstream at different datum. May 28, 1914 to Dec. 7, 1915, and July 1, 1919 to Oct. 9, 1920, nonrecording gage at present site at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 900 acres, and 300 acres downstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	202	194	180	e210	174	162	171	680	1260	251	178	186
2	199	190	182	e200	182	161	175	781	1080	248	176	180
3	198	190	183	e205	179	161	171	860	967	244	177	173
4	198	190	177	e210	167	164	177	923	887	240	181	173
5	195	190	163	e195	165	169	201	984	819	236	177	171
6	198	188	198	e200	163	166	210	972	739	232	175	172
7	203	188	213	e195	162	170	216	935	701	224	174	170
8	200	189	221	e190	161	167	223	867	655	228	172	173
9	195	188	215	e200	161	166	249	715	621	242	167	175
10	195	186	245	e210	164	167	273	742	567	229	165	168
11	191	186	199	e200	170	162	279	864	491	218	171	166
12	190	184	192	e205	164	170	306	664	476	211	169	166
13	190	183	193	e190	166	165	341	567	456	210	169	165
14	189	183	191	192	165	166	369	559	431	208	169	165
15	190	183	192	165	165	171	360	589	416	206	175	164
16	189	183	201	170	161	167	307	631	403	206	173	162
17	186	186	188	176	165	165	349	673	383	227	174	158
18	193	196	212	183	164	166	416	556	368	227	188	168
19	190	178	202	188	162	163	349	499	410	203	226	165
20	190	185	199	174	162	169	314	565	471	200	196	162
21	189	184	194	175	163	165	354	630	387	199	186	195
22	190	186	191	171	163	164	393	681	353	196	187	272
23	198	171	201	168	161	166	420	792	340	193	194	207
24	193	157	e195	172	162	172	444	911	334	186	181	201
25	191	179	e200	171	163	172	406	993	328	183	177	189
26	189	200	e195	174	163	174	475	1160	312	181	183	194
27	186	184	e205	168	162	180	593	1070	293	179	190	185
28	185	180	e210	147	164	192	750	1040	280	173	187	182
29	199	181	e205	167	163	187	780	1170	271	172	184	180
30	189	177	e210	155	---	183	682	1340	260	172	203	180
31	194	---	e215	172	---	175	---	1410	---	171	199	---
TOTAL	5984	5539	6167	5698	4786	5247	10753	25823	15759	6495	5623	5367
MEAN	193	185	199	184	165	169	358	833	525	210	181	179
MAX	203	200	245	210	182	192	780	1410	1260	251	226	272
MIN	185	157	163	147	161	161	171	499	260	171	165	158
AC-FT	11870	10990	12230	11300	9490	10410	21330	51220	31260	12880	11150	10650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	201	185	170	164	157	161	279	782	849	398	247	209
MAX	348	273	257	234	240	237	584	1749	1618	1131	447	384
(WY)	1998	1985	1985	1985	1985	1985	1985	1985	1984	1957	1984	1997
MIN	122	112	122	118	116	125	168	282	217	116	127	114
(WY)	1978	1978	1964	1964	1977	1973	1920	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1910 - 2000	
ANNUAL TOTAL	115861		103241			
ANNUAL MEAN	317		282		317	
HIGHEST ANNUAL MEAN					523	1984
LOWEST ANNUAL MEAN					157	1977
HIGHEST DAILY MEAN	1230	May 25	1410	May 31	3150	May 30 1912
LOWEST DAILY MEAN	157	Nov 24	147	Jan 28	90	Feb 21 1955
ANNUAL SEVEN-DAY MINIMUM	169	Mar 7	162	Feb 19	106	Jul 26 1977
INSTANTANEOUS PEAK FLOW			1600	May 30	3550	May 24 1984
INSTANTANEOUS PEAK STAGE			5.85	May 30	a6.76	May 24 1984
ANNUAL RUNOFF (AC-FT)	229800		204800		230000	
10 PERCENT EXCEEDS	806		624		740	
50 PERCENT EXCEEDS	205		190		197	
90 PERCENT EXCEEDS	175		165		141	

e Estimated.
a Maximum gage height, 7.22 ft, Jan 9, 1961, backwater from ice.

09303000 NORTH FORK WHITE RIVER AT BUFORD, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1976 to December 1978, October 1982 to September 1992. October 1994 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV								
10...	0930	180	344	8.3	1.0	10.9	.9	K2
APR								
19...	1400	349	289	8.3	2.0	10.9	.8	K20
JUN								
12...	1630	481	225	8.0	13.6	8.1	.6	21
JUL								
25...	1400	185	331	8.4	17.2	7.8	.6	K20
AUG								
24...	1015	181	338	8.4	14.0	8.1	.7	K12

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV								
10...	<.010	.058	<.020	<.10	<.10	.019	.012	<.010
APR								
19...	.001	.088	.006	.31	.19	.040	.017	.013
JUN								
12...	.001	.024	.009	.15	.10	.024	.019	.014
JUL								
25...	.001	.012	.003	.19	E.10	.021	.015	.012
AUG								
24...	<.001	<.005	<.002	E.10	E.10	.021	.012	.007

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
21...	1333	187	338	4.4
NOV				
30...	1350	178	344	2.6
JAN				
14...	1000	201	320	.1
FEB				
08...	1402	169	342	1.3
MAR				
28...	0934	187	335	3.8
APR				
20...	1404	308	290	7.2
MAY				
21...	1038	600	220	7.2
JUL				
12...	0958	216	317	11.7
SEP				
29...	1343	182	342	11.4

09304000 SOUTH FORK WHITE RIVER AT BUFORD, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°58'28", long 107°37'30", in $NW^1/_4NE^1/_4$ sec.17, T.1 S., R.91 W., Rio Blanco County, Hydrologic Unit 14050005, on right bank 30 ft downstream from highway bridge, 0.8 mi upstream from mouth, and 1.0 mi south of Buford.

DRAINAGE AREA.--177 mi^2.

PERIOD OF RECORD.--October 1976 to December 1978, October 1984 to September 1992. October 1994 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV										
10...	1210	125	271	8.5	3.7	10.0	.6	<1	--	--
APR										
19...	1220	182	260	8.4	3.3	10.1	1.6	29	--	--
JUN										
12...	1400	372	230	8.3	12.7	8.2	.5	28	110	32.3
JUL										
25...	1245	125	288	8.4	15.8	7.9	.6	K13	--	--
AUG										
29...	1315	111	316	8.5	16.2	7.7	--	31	160	46.9

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV									
10...	--	<.010	<.050	<.020	<.10	<.10	.013	.007	<.010
APR									
19...	--	<.001	.030	.005	.12	E.10	.017	.009	.006
JUN									
12...	7.75	.001	.021	.006	.13	E.10	.016	.011	.008
JUL									
25...	--	.001	.010	.002	.25	E.10	.016	.010	.008
AUG									
29...	10.3	<.001	.006	<.002	.11	E.10	.020	.011	.007

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
JUN										
12...	<15	62	<3	17.4	<5	<16	<.1	<1	<2	<1
AUG										
29...	<15	57	<3	17.6	<5	<16	<.1	E1	<2	<1

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JUN									
12...	80	<1	<7.0	4	<1	<2	<2.4	131	<31
AUG									
29...	80	<1	<7.0	6	<1	<2	<2.4	308	<31

09304000 SOUTH FORK WHITE RIVER AT BUFORD, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
JUN					
12...	1400	372	12.7	170	171
AUG					
29...	1315	111	16.2	2	.57

395650107435600 WHITE RIVER ABOVE DRY CREEK NEAR MEEKER, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°56'50", long. 107°43'56", in SW$^1/_4$SW$^1/_4$ sec.21, T.1 S., R.92 W., Rio Blanco County, Hydrologic Unit 14050005, on right bank 100 ft downstream from highway bridge, 1.5 mi upstream from Dry Creek, and 13.0 mi southeast of Meeker, Co.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.-- December 1997 to current year.

REMARKS.——The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV										
18...	1130	333	354	8.5	3.2	10.9	.2	K2	--	--
APR										
21...	1110	583	320	8.5	7.1	9.8	1.8	23	--	--
JUN										
28...	1200	573	318	8.3	17.9	7.9	.9	25	150	46.0
JUL										
27...	1200	375	362	8.3	17.7	7.7	.5	21	--	--
AUG										
29...	1020	358	371	8.3	14.4	8.2	1.5	36	180	55.1

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV									
18...	--	<.010	<.050	.010	.10	E.10	.013	.012	.006
APR									
21...	--	.001	.021	.006	.25	E.10	.031	.007	.003
JUN									
28...	9.14	<.001	.008	.005	.17	.10	.020	.009	.007
JUL									
27...	--	.002	<.005	.005	.14	E.10	.018	.008	.003
AUG									
29...	10.6	<.001	.012	<.002	E.10	<.10	.017	.012	.004

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
JUN										
28...	<15	43	<3	16.5	<5	E8	<.1	E1	<2	<1
AUG										
29...	<15	35	3	15.7	<5	<16	<.1	E1	<2	<1

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JUN									
28...	50	<1	<7.0	5	<1	<2	<2.4	391	<31
AUG									
29...	60	<1	<7.0	5	<1	<2	<2.4	510	<31

395650107435600 WHITE RIVER ABOVE DRY CREEK NEAR MEEKER, CO--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	ALDICARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALDICARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICARB SULFOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	CARBARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBOFURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	3HYDRXY CARBOFURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	METHIOCARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METHOMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)
APR										
21...	1110	<.21	<.10	<.02	<.07	<.29	<.11	<.03	<.02	<.02
JUN										
28...	1200	<.21	<.10	<.02	<.07	<.29	<.11	<.03	<.02	<.02
JUL										
27...	1200	<.21	<.10	<.02	<.07	<.29	<.11	<.03	<.02	<.02

DATE	PROPHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROPOXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	2,4-D, DISSOLVED (UG/L) (39732)	DICHLORPROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	2,4,5-T DISSOLVED (UG/L) (39742)	SILVEX, DISSOLVED (UG/L) (39762)	TRICLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)
APR										
21...	<.04	<.08	<.11	<.03	<.10	<.17	<.13	<.04	<.06	<.25
JUN										
28...	<.04	<.08	<.11	<.03	<.10	<.17	<.13	<.04	<.06	<.25
JUL										
27...	<.04	<.08	<.11	<.03	<.10	<.17	<.13	<.04	<.06	<.25

DATE	ORYZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	CHLOROTHALONIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	DACTHAL MONOACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DICHLOBENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	FENURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FLUOMETURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	NEBURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	ACIFLUORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)
APR										
21...	<.31	<.48	<.04	<.07	<.07	<.06	<.06	<.09	<.07	<.09
JUN										
28...	<.31	<.48	<.04	<.07	<.07	<.06	<.06	<.09	<.07	<.09
JUL										
27...	<.31	<.48	<.04	<.07	<.07	<.06	<.06	<.09	<.07	<.09

DATE	BENTAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BROMOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CLOPYRALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	PICLORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	BROMACIL, WATER, DISS, REC (UG/L) (04029)	GLYPHOSATE, WATER, UNFLTRD REC (UG/L) (39941)
APR										
21...	<.04	<.04	<.23	<.04	<.06	<.04	<.05	<.42	<.06	<10
JUN										
28...	<.04	<.04	<.23	<.04	<.06	<.04	<.05	<.42	<.06	<5
JUL										
27...	<.04	<.04	<.23	<.04	<.06	<.04	<.05	<.42	<.06	<5

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
JUN					
28...	1200	573	17.9	4	6.3
AUG					
29...	1020	358	14.4	1	.97

09304200 WHITE RIVER ABOVE COAL CREEK NEAR MEEKER, CO

LOCATION.--Lat 40°00'18", long 107°49'29", in NW$^1/_4$NW$^1/_4$ sec.3, T.1 S., R.93 W., Rio Blanco County, Hydrologic Unit 14050005, on left bank 15 ft downstream from county road bridge, 2.3 mi upstream from Coal Creek, and 5.0 mi southeast of Meeker.

DRAINAGE AREA.--648 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1961 to current year.

REVISED RECORDS.--WDR CO-79-3: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,400 ft above sea level, from topographic map. Oct. 1, 1961 to Sept. 30, 1976, at site 76 ft upstream at datum 2.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion upstream from station for irrigation of about 8,000 acres and about 4,000 acres downstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	303	e335	352	382	384	337	355	1190	2570	219	124	172
2	352	e340	352	388	364	340	360	1340	2130	226	113	174
3	427	e345	356	372	368	335	349	1520	1790	217	109	175
4	391	e350	330	338	e310	337	354	1690	1580	208	138	173
5	379	e355	305	383	e345	348	402	1850	1380	192	178	182
6	423	e370	328	386	e340	345	422	1820	1180	187	157	197
7	443	e365	340	320	e335	357	434	1790	1050	196	108	198
8	436	360	e360	413	e340	350	438	1710	918	195	104	202
9	420	e365	e320	375	e345	345	469	1370	848	233	99	212
10	413	e370	e385	373	e350	345	520	1240	772	247	92	193
11	407	379	e375	370	e355	326	525	1480	666	250	104	178
12	401	372	e350	376	e350	359	556	1250	612	245	133	164
13	408	366	e340	364	e355	339	604	1030	578	288	109	164
14	374	372	e355	361	e345	338	653	956	502	271	103	154
15	412	375	e310	360	e355	351	672	918	430	265	110	159
16	e375	371	e370	359	e345	341	589	912	391	263	111	157
17	e370	378	e390	361	e350	340	600	1100	371	295	112	158
18	e360	400	e355	379	e345	339	717	945	354	305	133	180
19	366	373	e380	396	e340	321	660	798	393	269	181	169
20	361	385	e365	374	e330	355	596	808	551	261	144	162
21	358	381	e375	376	e350	340	629	933	430	265	110	197
22	362	393	e370	369	e355	333	694	1120	362	233	99	371
23	367	367	e390	358	e340	339	719	1460	340	207	96	282
24	358	e330	e355	341	346	354	784	2030	332	189	80	301
25	359	327	e360	369	345	351	711	2280	318	177	73	289
26	360	390	e385	374	340	354	778	2600	321	174	83	300
27	344	378	e370	359	343	363	911	2230	317	173	102	292
28	327	359	e365	297	345	389	1160	2110	299	170	116	300
29	318	353	e360	348	340	392	1360	2550	289	178	131	320
30	319	351	374	320	---	385	1230	2930	258	168	158	326
31	343	---	366	339	---	369	---	2920	---	143	179	---
TOTAL	11636	10955	11088	11280	10055	10817	19251	48880	22332	6909	3689	6501
MEAN	375	365	358	364	347	349	642	1577	744	223	119	217
MAX	443	400	390	413	384	392	1360	2930	2570	305	181	371
MIN	303	327	305	297	310	321	349	798	258	143	73	154
AC-FT	23080	21730	21990	22370	19940	21460	38180	96950	44300	13700	7320	12890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	357	343	307	293	288	308	515	1530	1766	592	300	264
MAX	616	488	426	405	387	448	1034	2785	3526	1924	759	586
(WY)	1998	1987	1998	1998	1986	1986	1985	1985	1984	1995	1984	1997
MIN	141	229	184	181	208	225	319	397	194	29.3	42.4	71.7
(WY)	1978	1978	1977	1977	1978	1977	1991	1977	1977	1977	1994	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1962 - 2000	
ANNUAL TOTAL	221384		173393			
ANNUAL MEAN	607		474		572	
HIGHEST ANNUAL MEAN					966	1984
LOWEST ANNUAL MEAN					208	1977
HIGHEST DAILY MEAN	2890	May 31	2930	May 30	5360	Jun 26 1983
LOWEST DAILY MEAN	222	Sep 16	73	Aug 25	6.5	Jul 19 1977
ANNUAL SEVEN-DAY MINIMUM	234	Sep 13	92	Aug 21	8.8	Jul 16 1977
INSTANTANEOUS PEAK FLOW			3280	May 31	5740	Jun 26 1983
INSTANTANEOUS PEAK STAGE			5.52	May 31	7.07	Jun 26 1983
ANNUAL RUNOFF (AC-FT)	439100		343900		414700	
10 PERCENT EXCEEDS	1430		937		1410	
50 PERCENT EXCEEDS	390		355		333	
90 PERCENT EXCEEDS	329		167		218	

e Estimated.

09304200 WHITE RIVER ABOVE COAL CREEK NEAR MEEKER, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1973 to June 1975, July 1978 to September 1984, October 1986 to September 1992, October 1994 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1973 to September 1975, July 1978 to September 1984.
WATER TEMPERATURE: March 1973 to September 1975, July 1978 to September 1984.

INSTRUMENTATION.--Water-quality monitor July 1978 to September 1984.

REMARKS.--Unpublished daily maximum and minimum specific conductance data available in district office.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 511 microsiemens Dec. 24, 1981; minimum 152 microsiemens June 14, 1980.
WATER TEMPERATURE: Maximum, 22.0°C July 8, 1981; minimum, 0.0°C on many days during winter months.

EXTREME OUTSIDE PERIOD OF DAILY RECORD.--A specific conductance of 544 microsiemens was measured Sept. 5, 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV 18...	0845	418	413	8.2	3.8	9.8	.2	K6	--	--
APR 04...	1210	355	428	8.4	7.0	10.9	.7	25	--	--
JUN 07...	1900	949	237	8.4	15.0	7.9	.4	55	110	32.7
JUL 26...	1100	180	453	8.3	17.9	7.9	.6	39	--	--
AUG 24...	1330	81	477	8.3	21.0	7.2	1.0	61	220	65.9

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV 18...	--	--	<.010	<.050	<.020	E.10	E.10	.012	<.006	<.010
APR 04...	--	--	<.001	.014	.003	.13	E.10	<.050	.008	.007
JUN 07...	6.83	1.4	.001	.043	.003	.22	E.10	.036	.014	.009
JUL 26...	--	--	.002	.009	.004	.21	.13	.016	.020	.009
AUG 24...	13.1	4.5	<.001	.015	.005	.19	.14	.037	.027	.018

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
JUN 07...	<15	151	<3	16.4	<5	E9	<.1	<1	<2	E1
AUG 24...	<15	<28	<3	23.3	<5	E15	<.1	<1	<2	E1

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JUN 07...	170	<1	<7.0	11	<1	<2	E1.2	247	<31
AUG 24...	70	<1	<7.0	22	<1	<2	<2.4	622	<31

09304200 WHITE RIVER ABOVE COAL CREEK NEAR MEEKER, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
18...	1217	350	477	2.0	31...	1324	3040	169	10.0
DEC					JUL				
16...	1412	353	479	.2	19...	1328	261	411	17.6
FEB					AUG				
04...	1315	294	426	1.2	10...	0916	94	469	14.7
MAR					SEP				
22...	1028	327	416	1.9	30...	0934	316	423	9.2
APR									
20...	0945	584	362	5.8					

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
JUN					
07...	1900	949	15.0	13	34
AUG					
24...	1330	81	21.0	6	1.3

09304500 WHITE RIVER NEAR MEEKER, CO

LOCATION.--Lat 40°02'01", long 107°51'42", in $NE^{1}/_{4}NE^{1}/_{4}$ sec.30, T.1 N., R.93 W., Rio Blanco County, Hydrologic Unit 14050005, on left bank at downstream abutment of private bridge, 1.0 mi upstream from Curtis Creek and 2.5 mi east of Meeker.

DRAINAGE AREA.--755 mi^2.

PERIOD OF RECORD.--June 1901 to December 1906, October 1909 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "at Meeker" 1901-13.

REVISED RECORDS.--WDR CO-79-3: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,300 ft above sea level, from topographic map. Prior to Oct. 31, 1906, and May 7 to Aug. 13, 1910, nonrecording gage, and Aug. 14, 1910 to Oct. 19, 1913, water-stage recorder, at site 2.5 mi downstream, at different datum. Oct. 20, 1913 to Sept. 30, 1971, water-stage recorder at present site, at datum 3.00 ft, higher, prior to Oct. 1, 1933, and at datum 2.00 ft, higher, thereafter.

REMARKS.--No estimated daily discharges. Records good. Diversions upstream from station for irrigation of about 12,000 acres upstream from station, and about 3,000 acres downstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	359	412	385	398	389	340	364	1150	2650	351	222	312
2	379	402	381	402	366	340	363	1270	2230	364	223	302
3	385	407	384	375	369	336	358	1430	1920	349	220	307
4	381	405	360	341	359	336	359	1590	1720	329	251	310
5	377	404	324	403	358	348	401	1760	1530	318	312	316
6	367	402	352	383	354	345	420	1890	1330	304	297	320
7	386	403	376	339	349	350	432	1850	1190	309	242	325
8	386	405	374	419	344	352	435	1780	1060	312	231	325
9	377	406	337	396	353	345	459	1450	989	360	224	353
10	368	400	394	397	363	345	506	1300	914	377	212	337
11	363	397	388	384	376	330	508	1540	801	365	219	316
12	357	391	366	388	367	363	538	1320	737	339	266	292
13	360	386	348	376	363	346	564	1090	699	385	231	285
14	364	389	365	376	359	344	606	1010	630	367	223	271
15	368	395	321	376	365	352	630	968	549	359	239	271
16	381	391	409	377	353	351	558	957	506	355	253	272
17	378	391	397	380	357	346	563	1150	487	385	233	272
18	398	413	365	400	361	345	670	1030	475	406	242	296
19	406	375	391	423	347	328	627	886	532	367	306	285
20	406	394	379	392	336	361	579	876	702	351	269	271
21	403	397	386	383	366	350	598	1000	579	356	236	317
22	397	404	385	379	356	343	663	1190	505	328	217	496
23	404	368	404	367	351	344	696	1530	478	317	220	389
24	399	336	366	349	346	357	772	2090	467	291	202	408
25	396	353	372	379	348	355	701	2320	460	276	200	390
26	396	417	396	383	341	356	745	2560	463	273	214	386
27	394	417	379	372	346	363	862	2280	463	287	242	375
28	396	395	379	302	347	386	1100	2130	445	292	253	369
29	426	385	379	342	345	401	1290	2510	428	302	275	367
30	402	384	374	313	---	389	1190	2920	389	286	311	376
31	410	---	366	330	---	379	---	2980	---	251	339	---
TOTAL	11969	11824	11582	11624	10334	10926	18557	49807	26328	10311	7624	9911
MEAN	386	394	374	375	356	352	619	1607	878	333	246	330
MAX	426	417	409	423	389	401	1290	2980	2650	406	339	496
MIN	357	336	321	302	336	328	358	876	389	251	200	271
AC-FT	23740	23450	22970	23060	20500	21670	36810	98790	52220	20450	15120	19660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	393	372	334	315	310	344	551	1566	1905	690	391	360
MAX	687	648	472	441	420	522	1094	2829	4091	2524	866	735
(WY)	1998	1929	1998	1998	1930	1986	1962	1985	1921	1957	1984	1997
MIN	215	255	233	225	232	261	313	499	264	116	140	156
(WY)	1978	1978	1978	1981	1935	1935	1944	1977	1934	1977	1994	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1910 - 2000	
ANNUAL TOTAL	237685		190797			
ANNUAL MEAN	651		521		628	
HIGHEST ANNUAL MEAN					1044	1984
LOWEST ANNUAL MEAN					274	1977
HIGHEST DAILY MEAN	3050	May 31	2980	May 31	6320	May 25 1984
LOWEST DAILY MEAN	306	Sep 16	200	Aug 25	78	Jul 16 1977
ANNUAL SEVEN-DAY MINIMUM	310	Sep 22	219	Aug 21	86	Jul 13 1977
INSTANTANEOUS PEAK FLOW			3310	May 31	6950	May 25 1984
INSTANTANEOUS PEAK STAGE			5.07	May 31	a6.12	May 25 1984
ANNUAL RUNOFF (AC-FT)	471400		378400		455100	
10 PERCENT EXCEEDS	1500		1020		1490	
50 PERCENT EXCEEDS	412		377		372	
90 PERCENT EXCEEDS	360		286		270	

a Maximum gage height, 7.60 ft, Jun 16, 1921, present datum.

09304800 WHITE RIVER BELOW MEEKER, CO

LOCATION.--Lat 40°00'48", long 108°05'33", in $SW^1/_4NE^1/_4$ sec.31, T.1 N., R.95 W., Rio Blanco County, Hydrologic Unit 14050005, on left bank 30 ft downstream from county bridge, 4.5 mi downstream from Strawberry Creek, and 10 mi west of Meeker.

DRAINAGE AREA.--1,024 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1961 to current year.

REVISED RECORDS.--WDR CO-79-3: Drainage area. WDR CO-86-2: 1985.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,928 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Diversions upstream from station for irrigation of about 22,000 acres upstream and a few small hay meadows downstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	408	428	387	392	366	352	396	1210	2900	417	201	428
2	419	415	385	428	358	353	388	1310	2510	455	199	411
3	419	414	393	384	380	348	387	1500	2180	445	196	400
4	414	413	351	326	356	350	373	1680	1940	406	201	391
5	416	413	323	384	353	362	404	1880	1710	391	269	380
6	410	409	333	378	351	364	430	2010	1490	367	269	367
7	433	407	393	304	345	370	437	2000	1280	367	213	361
8	427	406	385	363	337	380	438	1950	1120	338	192	359
9	415	404	343	403	355	363	460	1630	1030	328	198	388
10	402	397	357	394	366	368	517	1380	974	411	193	359
11	393	394	396	409	400	349	526	1580	840	371	189	321
12	388	387	374	420	394	376	554	1440	771	343	227	295
13	389	385	373	407	374	378	599	1170	718	343	199	286
14	385	385	359	403	361	366	649	1040	665	332	215	268
15	393	392	307	387	372	371	691	1000	599	310	232	253
16	406	387	384	369	358	383	623	962	545	310	245	240
17	402	389	417	381	364	370	602	1140	520	329	224	246
18	414	420	394	427	372	364	710	1090	523	384	219	294
19	430	381	417	462	353	347	693	906	651	350	363	280
20	427	389	386	413	337	387	628	863	903	319	313	260
21	427	400	384	393	376	379	630	967	700	319	283	318
22	421	414	375	391	366	376	690	1170	580	320	267	613
23	425	373	379	364	359	381	714	1510	539	295	285	476
24	422	322	336	344	358	392	798	2080	533	271	281	489
25	421	312	338	382	360	388	737	2440	530	266	281	459
26	414	385	359	389	346	390	767	2700	537	258	300	442
27	407	433	359	375	358	395	886	2600	534	270	346	416
28	406	399	354	303	361	409	1120	2360	507	280	383	418
29	461	389	361	306	353	442	1390	2680	475	274	381	425
30	430	385	363	300	---	426	1300	3050	439	260	419	433
31	424	---	355	298	---	417	---	3200	---	227	457	---
TOTAL	12848	11827	11420	11679	10489	11696	19537	52498	29243	10356	8240	11076
MEAN	414	394	368	377	362	377	651	1693	975	334	266	369
MAX	461	433	417	462	400	442	1390	3200	2900	455	457	613
MIN	385	312	307	298	337	347	373	863	439	227	189	240
AC-FT	25480	23460	22650	23170	20800	23200	38750	104100	58000	20540	16340	21970

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	460	418	369	341	342	394	600	1596	1908	768	429	400
MAX	793	638	536	493	457	586	1141	2979	3904	2155	837	821
(WY)	1985	1985	1985	1986	1986	1986	1985	1985	1983	1995	1984	1997
MIN	260	282	266	230	251	285	393	374	283	147	172	213
(WY)	1978	1978	1964	1976	1977	1981	1977	1977	1977	1977	1990	1990

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1962 - 2000	
ANNUAL TOTAL	251065		200909			
ANNUAL MEAN	688		549		669	
HIGHEST ANNUAL MEAN					1069	1985
LOWEST ANNUAL MEAN					290	1977
HIGHEST DAILY MEAN	3060	May 31	3200	May 31	6060	Jun 26 1983
LOWEST DAILY MEAN	307	Dec 15	189	Aug 11	85	Jun 28 1977
ANNUAL SEVEN-DAY MINIMUM	345	Sep 13	202	Aug 7	90	Jun 25 1977
INSTANTANEOUS PEAK FLOW			3520	May 31	6590	Jun 26 1983
INSTANTANEOUS PEAK STAGE			3.58	May 31	4.97	Jun 26 1983
ANNUAL RUNOFF (AC-FT)	498000		398500		485000	
10 PERCENT EXCEEDS	1660		1060		1530	
50 PERCENT EXCEEDS	430		389		419	
90 PERCENT EXCEEDS	362		284		285	

09304800 WHITE RIVER BELOW MEEKER, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1974 to September 1984, December 1985 (revised) to September 1992, October 1994 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1978 to September 1983.
WATER TEMPERATURE: July 1978 to September 1983.

INSTRUMENTATION.--Water-quality monitor July 1978 to September 1983.

REMARKS.--Unpublished maximum and minimum specific conductance data for period of daily record available in district office.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 908 microsiemens Aug. 30, 1981; minimum, 221 microsiemens June 13, 1980.
WATER TEMPERATURE: Maximum, 25.0°C Aug. 7, 1978, Aug. 7, 1980; minimum, 0.0°C many days during winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV										
18...	1400	425	564	8.4	6.0	11.3	--	K5	--	--
APR										
06...	1100	436	558	8.5	7.9	10.9	2.8	27	--	--
MAY										
26...	0925	2850	261	8.1	9.0	8.5	3.4	480	120	34.1
JUL										
26...	1430	266	627	8.7	20.8	10.7	.6	42	--	--
AUG										
30...	1800	442	674	8.6	19.2	8.6	--	97	310	82.2

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV										
18...	--	--	<.010	<.050	<.020	.14	.10	.010	E.005	<.010
APR										
06...	--	--	<.010	<.050	<.020	.31	.13	.036	E.005	<.010
MAY										
26...	8.63	1.8	<.010	.074	.023	.81	.22	.410	.030	.022
JUL										
26...	--	--	<.001	<.005	.007	.31	.22	.034	.014	.008
AUG										
30...	25.7	7.4	<.010	<.050	<.020	.46	.26	.078	.031	.016

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
MAY										
26...	<15	2480	E1	66.9	<5	E14	E.1	3	E2	5
AUG										
30...	<15	226	<3	42.3	<5	40	<.1	1	<2	E1

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY									
26...	3310	3	E4.0	128	<1	7	<2.4	277	<31
AUG									
30...	420	<1	15.0	52	2	E1	<2.4	800	<31

09304800 WHITE RIVER BELOW MEEKER, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAR				
04...	1500	429	576	10.5	08...	1715	377	540	8.2
NOV					MAY				
12...	1000	412	543	2.3	25...	1630	2500	315	11.3
JAN					JUL				
27...	1015	380	562	6.1	06...	1210	385	603	16.9

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAY					
26...	0925	2850	9.0	438	3370
AUG					
30...	1800	442	19.2	23	28

09306200 PICEANCE CREEK BELOW RYAN GULCH NEAR RIO BLANCO, CO

LOCATION.--Lat 39°55'16", long 108°17'49", in $SE^{1}/_{4}NE^{1}/_{4}$, sec.32, T.1 S., R.97 W., Rio Blanco County, Hydrologic Unit 14050006, on left bank at downstream side of bridge, 40 ft downstream from Ryan Gulch, and 23 mi northwest of Rio Blanco.

DRAINAGE AREA.--506 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1964 to September 1998, August 1999 to current year.

REVISED RECORDS.--WDR CO-79-3: 1977 (M).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,070 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	24	25	e26	27	22	27	8.5	7.1	5.3	5.4	4.5
2	21	24	24	e26	26	22	27	9.2	3.8	5.3	4.7	5.3
3	21	24	24	e25	25	22	27	8.9	6.5	6.7	6.8	7.0
4	22	25	24	e23	23	22	28	8.3	7.1	8.8	9.8	6.4
5	23	24	25	e23	23	23	29	8.4	8.7	9.0	8.9	7.0
6	22	24	25	e23	23	23	29	7.6	8.1	6.6	7.4	5.5
7	22	24	24	e24	23	24	27	7.5	8.8	6.8	6.8	4.7
8	21	24	27	e25	23	24	25	10	8.8	5.4	6.7	5.9
9	21	20	26	e26	22	24	24	11	10	10	6.5	5.7
10	21	20	e26	e27	23	23	24	7.1	10	11	6.4	4.4
11	23	21	26	e27	25	22	24	6.1	9.9	9.9	6.5	3.1
12	22	22	26	e27	25	23	20	3.8	9.4	7.2	6.5	4.1
13	22	23	26	e28	23	23	19	3.3	8.4	7.8	4.0	9.9
14	23	23	26	e28	22	23	18	3.5	7.9	10	10	9.1
15	23	23	e23	e29	23	23	19	3.5	7.3	7.8	7.6	7.4
16	22	24	e24	e27	22	24	19	5.2	7.3	6.9	4.4	7.3
17	22	23	e24	e26	22	23	18	12	7.6	13	3.2	7.0
18	23	23	24	e26	23	23	18	10	8.0	8.2	2.9	8.4
19	23	23	24	e25	22	23	17	9.1	8.0	9.2	3.7	7.1
20	23	23	24	e25	22	25	20	11	7.1	7.8	2.9	7.3
21	23	23	24	e25	22	24	19	10	5.8	8.6	3.0	9.1
22	24	24	27	e24	23	23	17	13	6.8	6.7	5.4	9.0
23	24	24	27	e23	23	25	16	11	8.6	5.0	4.9	8.2
24	24	e24	27	e23	23	26	16	10	8.8	4.3	3.8	6.8
25	24	e23	e29	e22	23	27	15	10	8.9	5.1	3.5	7.5
26	23	25	e30	21	22	27	15	10	9.8	5.0	3.6	7.2
27	21	26	e32	21	22	28	12	10	8.2	5.0	3.6	6.9
28	17	25	e31	22	22	29	8.4	9.3	6.8	5.5	4.6	6.0
29	20	25	e30	25	22	31	8.0	9.3	5.7	5.0	4.0	5.4
30	21	24	e28	27	---	30	7.7	8.8	5.4	4.7	3.8	4.8
31	23	---	e26	28	---	29	---	6.0	---	5.6	4.9	---
TOTAL	688	704	808	777	669	760	593.1	261.4	234.6	223.2	166.2	198.0
MEAN	22.2	23.5	26.1	25.1	23.1	24.5	19.8	8.43	7.82	7.20	5.36	6.60
MAX	24	26	32	29	27	31	29	13	10	13	10	9.9
MIN	17	20	23	21	22	22	7.7	3.3	3.8	4.3	2.9	3.1
AC-FT	1360	1400	1600	1540	1330	1510	1180	518	465	443	330	393

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	22.1	26.4	24.5	22.0	25.0	34.8	48.3	68.4	32.9	24.4	30.5	21.9
MAX	69.9	58.4	60.9	55.5	61.0	112	228	326	166	98.7	95.6	65.2
(WY)	1986	1986	1984	1984	1986	1986	1986	1985	1983	1984	1984	1984
MIN	2.75	7.98	8.10	8.90	13.3	11.5	2.94	3.65	3.51	3.95	2.69	3.94
(WY)	1965	1968	1968	1979	1965	1972	1967	1967	1967	1967	1994	1981

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1965 - 2000	
ANNUAL TOTAL	6082.5			
ANNUAL MEAN	16.6		31.8	
HIGHEST ANNUAL MEAN			96.5	1985
LOWEST ANNUAL MEAN			8.30	1967
HIGHEST DAILY MEAN	e32	Dec 27	534	May 5 1985
LOWEST DAILY MEAN	2.9	Aug 18	.15	Jun 7 1981
ANNUAL SEVEN-DAY MINIMUM	3.6	Aug 16	.96	Apr 27 1966
INSTANTANEOUS PEAK FLOW	a34.1	Dec 27	550	May 5 1985
INSTANTANEOUS PEAK STAGE	b	unknown	c7.95	May 5 1998
ANNUAL RUNOFF (AC-FT)	12060		23030	
10 PERCENT EXCEEDS	26		61	
50 PERCENT EXCEEDS	21		21	
90 PERCENT EXCEEDS	5.3		6.8	

e Estimated.
a From discharge measurement, may have been higher during period of no gage-height record Dec 25 to Jan 25.
b Maximum gage height, 4.29 ft, Dec 15, backwater from ice.
c Maximum gage height, 7.95 ft, May 5, 1998.

09306200 PICEANCE CREEK BELOW RYAN GULCH, NEAR RIO BLANCO, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1970 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1979 to September 1982, November 1985 to September 1998.
WATER TEMPERATURE: December 1979 to September 1982, November 1985 to September 1998.
SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1983.

INSTRUMENTATION.--Automatic pumping sediment sampler October 1972 to September 1983. Water-quality monitor December 1979 to September 1982 and November 1985 to July 1996 (revised); water-quality monitor with satellite telemetry July 1, 1996 to September 30, 1998.

REMARKS.--Prior to October 1995, unpublished maximum and minimum specific conductance data for daily record are available in district office.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum 2,920 microsiemens, July 18, 1981; minimum, 398 microsiemens, Mar. 11, 1997.
WATER TEMPERATURE: Maximum 28.0°C Sept. 4, 1990, minimum, -0.4°C many days during the fall-winter period Oct. 1997 to March 1998.
SEDIMENT CONCENTRATION: Maximum daily, 21,700 mg/L, July 20, 1977; minimum daily, 8 mg/L, Oct. 14, 1979, and several days in September 1981.
SEDIMENT LOADS: Maximum daily, 5,390 tons July 23, 1983; minimum daily, 0.05 ton, Sept. 27, 30, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV										
08...	1225	26	1470	8.5	7.3	12.6	540	82.8	79.1	155
APR										
04...	1325	30	1410	8.6	10.2	10.6	490	83.1	68.5	134
MAY										
23...	1320	11	1640	8.5	19.3	10.7	580	78.6	91.6	186
AUG										
29...	1235	4.0	2160	8.3	18.6	9.8	610	70.2	104	248

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
NOV										
08...	3	2.5	427	395	15.5	.7	15.5	988	1010	1.34
APR										
04...	3	2.4	403	351	14.9	.6	13.6	924	916	1.26
MAY										
23...	3	2.7	473	421	18.7	.8	14.0	1090	1100	1.48
AUG										
29...	4	3.5	733	514	23.4	1.2	19.3	1520	1430	2.07

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
NOV									
08...	69.4	13	<.010	.694	<.020	.23	<.050	.031	4.1
APR									
04...	73.8	163	<.010	.658	.022	.29	<.050	.015	4.4
MAY									
23...	33.1	17	<.010	.099	<.020	.35	<.050	.013	5.8
AUG									
29...	16.4	<10	<.010	<.050	<.020	.48	.122	.107	7.9

09306200 PICEANCE CREEK BELOW RYAN GULCH, NEAR RIO BLANCO, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)
NOV 08...	1	<1	E1.4	68	<1	162	<1.0	<.8	<1	2	E10	<1
APR 04...	1	<1	E1.4	73	<1	132	<1.0	<.8	<1	2	<10	<1
MAY 23...	13	<1	3.1	70	<1	195	<1.0	<.8	<1	2	<10	<1
AUG 29...	3	<1	6.0	82	<1	272	<1.0	<.8	<1	2	E30	<1

DATE	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	THALLIUM, DISSOLVED (UG/L AS TL) (01057)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)
NOV 08...	11.3	49	<.2	7	3	E1.2	<1	3030	<.5	E6	1	3
APR 04...	10.2	28	<.2	7	<1	E1.3	<1	2560	<.5	E7	1	4
MAY 23...	9.5	70	<.2	8	3	E1.4	<1	3220	<.5	E6	4	3
AUG 29...	E8.5	170	<.2	9	3	<2.4	<1	3550	<.5	<30	1	3

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)
NOV 08...	.92	<3.00	6.7	<4.00
APR 04...	1.0	<3.00	8.9	7.40
MAY 23...	1.0	<3.00	5.6	<4.00
AUG 29...	.83	<3.00	.80	<4.00

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT 04...	1315	23	1510	10.1
DEC 27...	1305	34	1520	.1
JAN 25...	1435	22	1530	2.8
MAR 08...	1330	26	1520	5.2
JUL 13...	1050	8.5	2100	19.1

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 08...	1225	26	30	2.1	--
APR 04...	1325	30	231	18	84
MAY 23...	1320	11	40	1.2	--
AUG 29...	1235	4.0	14	.15	--

09306222 PICEANCE CREEK AT WHITE RIVER, CO

LOCATION.--Lat 40°04'39" (revised), long 108°14'07" (revised), in $SE^1/_4SE^1/_4$ sec.2, T.1 N., R.97 W., Rio Blanco County, Hydrologic Unit 14050006, on downstream side of box culvert on county highway, 1.0 mi southwest of White River City, 1.3 mi upstream from mouth, and 17 mi west of Meeker.

DRAINAGE AREA.--652 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1964 to September 1966, October 1970 to current year.

REVISED RECORDS.--WDR CO-82-3: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,730 ft above sea level, from topographic map. Oct. 1, 1964 to Sept. 30, 1966, Oct. 1, 1970 to July 12, 1974, at several sites 0.1 mi upstream at different datums, and Oct. 1, 1987 to Nov. 18, 1994, at site 1.0 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 5,500 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	e28	e35	e30	37	28	36	13	e3.4	e4.2	e4.7	7.7
2	29	e29	e34	e30	35	28	35	12	e3.0	e4.1	e4.5	7.6
3	29	e30	e32	e29	30	28	36	12	e3.3	e4.5	e5.4	7.0
4	30	e31	e32	e28	30	28	35	11	e3.8	e4.9	e6.6	6.1
5	30	e31	e32	e27	30	28	36	11	e3.9	e4.6	e7.5	4.5
6	31	e31	e32	e28	30	29	37	11	e3.8	e4.4	e6.8	4.3
7	31	e31	e31	e29	29	31	35	10	e3.8	3.7	e6.5	4.4
8	30	e30	e33	e29	29	33	32	12	e4.0	3.6	e6.2	4.3
9	28	e28	e33	e30	29	32	31	13	e4.1	5.0	e6.2	3.8
10	28	e28	e31	e31	30	31	29	11	e4.2	4.0	e6.0	3.8
11	28	e28	e32	e32	36	30	30	e9.0	e4.2	3.3	e5.9	3.7
12	26	e29	e32	e32	36	31	28	e7.0	e4.1	3.3	e5.6	3.7
13	25	e30	e32	e33	32	31	25	e5.4	e4.1	e4.3	e6.0	3.7
14	26	e30	e31	e34	31	30	24	e4.5	e3.9	e4.0	e8.0	3.7
15	26	e30	e29	e35	31	31	24	e4.3	e3.6	e3.5	e9.4	3.6
16	26	e31	e29	e33	30	32	24	e4.4	e3.6	e4.2	e7.4	3.5
17	26	e31	e29	32	31	31	23	e4.4	e3.7	e5.2	e6.6	3.5
18	26	e30	e29	35	31	31	23	e4.6	e3.9	e4.7	e6.2	4.0
19	27	e30	e30	37	30	31	22	e4.5	e3.8	e5.1	e6.7	4.3
20	28	e30	e29	35	29	32	24	e4.3	e3.5	e4.7	e6.2	4.3
21	e29	e30	e30	35	29	33	23	e4.5	e3.4	e4.8	e6.4	4.6
22	e29	e30	e31	35	30	31	22	e4.1	e3.5	e4.6	e7.7	7.0
23	e29	e31	e32	32	30	32	21	e3.7	e3.9	e4.2	e7.1	7.0
24	e28	e30	e32	32	30	34	21	e3.3	e4.3	e4.2	e6.7	7.3
25	e27	e29	e34	34	30	34	20	e3.4	e4.5	e4.3	e6.3	7.2
26	e26	e30	e34	34	29	35	19	e3.4	e4.7	e4.6	e6.4	7.1
27	e24	e32	e34	34	29	35	17	e3.4	e5.0	e4.7	e6.8	6.9
28	e23	e32	e33	30	29	36	14	e3.4	e4.8	e4.9	e7.2	6.9
29	e24	e32	e32	28	28	40	13	e3.3	e4.6	e4.6	7.4	6.7
30	e25	e32	e32	32	---	39	13	e3.1	e4.3	e4.6	7.4	6.7
31	e27	---	e31	34	---	38	---	e3.3	---	e4.9	7.7	---
TOTAL	851	904	982	989	890	993	772	207.3	118.7	135.7	205.5	158.9
MEAN	27.5	30.1	31.7	31.9	30.7	32.0	25.7	6.69	3.96	4.38	6.63	5.30
MAX	31	32	35	37	37	40	37	13	5.0	5.2	9.4	7.7
MIN	23	28	29	27	28	28	13	3.1	3.0	3.3	4.5	3.5
AC-FT	1690	1790	1950	1960	1770	1970	1530	411	235	269	408	315

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	29.5	34.3	30.0	27.3	31.6	47.9	63.3	83.1	39.4	29.5	34.8	25.7
MAX	86.1	76.9	72.0	64.9	86.6	123	284	369	247	125	109	75.4
(WY)	1986	1986	1986	1986	1986	1986	1998	1998	1983	1984	1984	1984
MIN	1.60	10.1	13.5	11.4	16.3	17.2	3.54	2.27	1.40	1.56	1.67	2.03
(WY)	1965	1965	1991	1973	1973	1972	1972	1972	1994	1972	1990	1966

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1965 - 2000	
ANNUAL TOTAL	14728		7207.1			
ANNUAL MEAN	40.4		19.7		39.8	
HIGHEST ANNUAL MEAN					110	1985
LOWEST ANNUAL MEAN					12.5	1990
HIGHEST DAILY MEAN	114	May 6	40	Mar 29	539	May 7 1998
LOWEST DAILY MEAN	14	Jun 28	3.0	Jun 2	.50	Jul 21 1966
ANNUAL SEVEN-DAY MINIMUM	14	Jun 28	3.3	May 28	.84	Jul 30 1971
INSTANTANEOUS PEAK FLOW			42	Feb 2	628	Sep 7 1978
INSTANTANEOUS PEAK STAGE			2.83	Feb 2	7.04	Sep 7 1978
ANNUAL RUNOFF (AC-FT)	29210		14300		28810	
10 PERCENT EXCEEDS	56		33		78	
50 PERCENT EXCEEDS	35		26		27	
90 PERCENT EXCEEDS	25		3.9		4.2	

e Estimated.
a Also occurred Jul 22, 1966.
b On basis of slope-area measurement of peak flow.

09306222 PICEANCE CREEK AT WHITE RIVER, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1970 to July 1986, March 1987, March 1990 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1971 to June 1974, May 1975 to September 1983.
WATER TEMPERATURE: January 1971 to September 1974, May 1975 to September 1983.
SUSPENDED-SEDIMENT DISCHARGE: March 1974 to September 1983.

INSTRUMENTATION.--Water-quality monitor May 1975 to September 1983. Pumping sediment sampler March 1974 to September 1983.

REMARKS.--Unpublished maximum and minimum specific conductance data for period of daily record available in district office. The maximum extreme specific conductance value of 10,000 microsiemens represents a value of 10,000 microsiemens or higher due to instrument limitations.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 10,000 microsiemens, June 18, 1981; minimum, 460 microsiemens, Feb. 28 and Mar. 2, 1983.
WATER TEMPERATURE: Maximum, 32.0°C, July 14, 1978; minimum, 0.0°C, many days during winter months.
SEDIMENT CONCENTRATION: Maximum daily, 25,000 mg/L(estimated), Sept. 7, 1978; 4 mg/L, Oct. 2, 1977.
SEDIMENT LOADS: Maximum daily, 6,095 tons, estimated, May 28, 1983; minimum daily, 0.10 ton, June 22, 1978.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV										
08...	1445	e30	1890	8.6	8.4	10.7	520	68.7	83.4	273
APR										
04...	1640	36	1740	8.6	15.2	9.6	470	68.2	71.6	226
MAY										
24...	1020	3.0	3950	8.8	12.8	8.7	430	32.2	84.7	882
AUG										
29...	1500	7.4	2800	8.7	23.3	10.0	470	37.5	91.6	491

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
NOV										
08...	5	2.8	591	431	33.8	.9	13.9	1220	1270	1.78
APR										
04...	5	2.9	520	378	30.1	.9	13.9	1120	1110	1.52
MAY										
24...	19	4.2	1390	396	150	2.8	5.7	2580	2400	3.51
AUG										
29...	10	4.0	1020	479	63.0	1.6	12.6	1810	1790	2.46

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
NOV									
08...	98.8	35	<.010	.519	.023	.34	<.050	.023	5.1
APR									
04...	109	193	.011	.532	.026	.34	<.050	.018	5.3
MAY									
24...	20.7	21	<.010	<.050	<.020	.65	E.038	.016	9.5
AUG									
29...	36.2	<10	<.010	<.050	<.020	.57	E.044	.034	9.1

09306222 PICEANCE CREEK AT WHITE RIVER, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)
NOV 08...	2	<1	2.6	88	<1	237	<1.0	<.8	<1	2	E10	<1
APR 04...	1	<1	2.4	84	<1	187	<1.0	<.8	<1	2	<10	<1
MAY 24...	14	<2	5.6	129	<2	642	<2.0	<.8	<2	3	E20	<2
AUG 29...	3	<1	5.7	121	<1	398	<1.0	<.8	<1	3	<30	<1

DATE	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	THALLIUM, DISSOLVED (UG/L AS TL) (01057)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)
NOV 08...	23.7	32	<.2	9	3	<2.4	<1	2830	<.5	E6	1	4
APR 04...	20.6	11	<.2	8	<1	E1.9	<1	2480	<.5	E8	1	4
MAY 24...	96.8	23	<.2	13	2	2.5	<2	2010	<.5	<30	7	4
AUG 29...	42.4	3	<.2	11	3	<2.4	<1	2210	<.5	<30	3	4

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)
NOV 08...	.93	<3.00	8.2	8.89
APR 04...	1.1	3.27	9.1	5.45
MAY 24...	1.2	3.68	12	<4.00
AUG 29...	1.0	3.76	.88	<4.00

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT 21...	0931	29	2060	2.4	MAR 08...	1525	34	2020	5.4
DEC 01...	1010	38	1900	1.0	JUL 06...	1240	4.4	3130	22.5
JAN 26...	1510	34	1860	4.9					

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
NOV 08...	1445	e30	8.4	50	4.1
APR 04...	1640	36	15.2	296	29
MAY 24...	1020	3.0	12.8	36	.29
AUG 29...	1500	7.4	23.3	15	.30

09306242 CORRAL GULCH NEAR RANGELY, CO

LOCATION.--Lat 39°55'13", long 108°28'20", in $SE^1/_4NW^1/_4$ sec.35, T.1 S., R.99 W., Rio Blanco County, Hydrologic Unit 14050006, on left bank 5 ft downstream from Box Elder Gulch, 3.5 mi upstream from confluence with Stake Springs Draw, and 21 mi southeast of Rangely.

DRAINAGE AREA.--31.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1974 to current year.

GAGE.--Water-stage recorder. Concrete V-notch control since July 20, 1974. Elevation of gage is 6,580 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. No diversions upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.3	1.0	.82	.92	.85	.83	.67	.51	.72	.61	.54
2	1.2	1.3	1.0	.82	1.0	.87	.87	.64	.52	.71	.56	.53
3	1.2	1.3	1.1	.79	1.0	.87	.84	.66	.51	.69	.55	.53
4	1.2	1.4	.82	.81	1.0	.87	.86	.64	.51	.74	.59	.53
5	1.1	1.3	.79	.81	.95	.87	.87	.64	.50	.77	.60	.53
6	1.1	1.3	.86	.79	.96	.88	.85	.64	.48	.76	.57	.53
7	1.1	1.3	.85	.76	.89	.88	.81	.64	.49	.76	.55	.53
8	1.1	1.3	.85	.77	.86	.86	.78	.69	.55	.78	.54	.51
9	1.0	1.2	.74	.80	.82	.89	.80	.65	.54	.80	.56	.48
10	1.0	1.2	.87	.77	.86	.87	.80	.62	.54	.75	.54	.48
11	1.0	1.2	.89	.71	.88	.88	.79	.65	.55	.77	.52	.48
12	1.0	1.2	.87	.71	.83	.91	.77	.65	.56	.77	.53	.48
13	1.0	1.1	.90	.72	.82	.88	.79	.63	.56	.84	.55	.48
14	1.1	1.1	.82	.73	.83	.90	.80	.64	.55	.84	.57	.48
15	1.1	1.1	.86	.75	.84	.94	.80	.65	.55	.80	.62	.48
16	1.1	1.2	.87	.79	.90	.92	.76	.65	.62	.78	.62	.48
17	1.1	1.2	.87	.83	.92	.91	.74	.66	.62	.76	.62	.47
18	1.2	1.2	.87	.86	.90	.90	.76	.62	.65	.81	.62	.48
19	1.2	1.0	.87	.87	.88	.92	.76	.63	.78	.84	.59	.47
20	1.2	1.2	.86	.86	.90	.83	.76	.62	.68	.83	.56	.48
21	1.2	1.1	.82	.83	.89	.85	.76	.62	.66	.80	.59	1.0
22	1.2	1.1	.82	.77	.87	.97	.81	.60	.67	.77	.62	.74
23	1.2	.77	.84	.69	.87	1.0	.79	.58	.70	.73	.62	.71
24	1.3	.81	.82	.76	.90	.96	.75	.63	.70	.70	.61	.71
25	1.3	.96	.83	.84	.90	.96	.73	.66	.67	.63	1.2	.67
26	1.3	1.1	.85	.87	.88	.90	.74	.62	.70	.65	.76	.66
27	1.3	1.1	.80	.87	.82	.87	.74	.54	.68	.66	.65	.63
28	1.3	1.1	.77	.87	.82	.96	.72	.51	.67	.63	.62	.62
29	1.4	1.1	.84	.87	.82	.92	.70	.50	.69	.65	.62	.62
30	1.2	1.0	.81	.87	---	.91	.69	.50	.70	.69	.62	.62
31	1.3	---	.80	.87	---	.87	---	.50	---	.69	.58	---
TOTAL	36.2	34.54	26.56	24.88	25.73	27.87	23.47	19.15	18.11	23.12	18.96	16.95
MEAN	1.17	1.15	.86	.80	.89	.90	.78	.62	.60	.75	.61	.56
MAX	1.4	1.4	1.1	.87	1.0	1.0	.87	.69	.78	.84	1.2	1.0
MIN	1.0	.77	.74	.69	.82	.83	.69	.50	.48	.63	.52	.47
AC-FT	72	69	53	49	51	55	47	38	36	46	38	34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1.09	.90	.82	.77	.83	1.29	2.77	7.63	4.61	1.98	1.60	1.32
MAX	2.88	1.99	2.07	2.40	2.22	4.99	14.9	41.7	33.4	8.98	5.56	3.39
(WY)	1979	1984	1979	1979	1979	1998	1998	1984	1983	1984	1984	1978
MIN	.30	.25	.27	.30	.30	.31	.22	.15	.094	.17	.29	.32
(WY)	1991	1993	1992	1977	1993	1977	1992	1992	1992	1992	1977	1991

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1974 - 2000	
ANNUAL TOTAL	811.50		295.54			
ANNUAL MEAN	2.22		.81		2.19	
HIGHEST ANNUAL MEAN					7.75	1984
LOWEST ANNUAL MEAN					.27	1992
HIGHEST DAILY MEAN	10	May 16	1.4	Oct 29	207	Jun 1 1983
LOWEST DAILY MEAN	.74	Dec 9	.47	Sep 17	a.06	Apr 10 1974
ANNUAL SEVEN-DAY MINIMUM	.81	Dec 25	.48	Sep 13	.07	Apr 10 1974
INSTANTANEOUS PEAK FLOW			16	Aug 25	b1780	Aug 18 1984
INSTANTANEOUS PEAK STAGE			2.41	Aug 25	6.12	Aug 18 1984
ANNUAL RUNOFF (AC-FT)	1610		586		1590	
10 PERCENT EXCEEDS	5.8		1.1		4.2	
50 PERCENT EXCEEDS	1.3		.80		.88	
90 PERCENT EXCEEDS	1.0		.54		.31	

a Also occurred Apr 11-14, 1974.

b From rating curve extended above 70 ft^3/s, on basis of slope-area measurements at gage heights, 3.89 ft, 4.08 ft, and 6.12 ft.

09306242 CORRAL GULCH NEAR RANGELY, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1975 to September 1989.
WATER TEMPERATURE: January 1975 to September 1989.
SUSPENDED-SEDIMENT DISCHARGE: October 1974 to September 1985.

INSTRUMENTATION.--Water-quality monitor October 1974 to August 1989. Pumping sediment sampler October 1974 to September 1985.

REMARKS.--Unpublished maximum and minimum specific conductance data for period of daily record available in district office.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 3,000 microsiemens, July 17, 1976; minimum, 271 microsiemens, Feb. 18, 1980.
WATER TEMPERATURE: Maximum, 29.0°C, Aug. 5, 1979; minimum, 0.0°C, on several days during winter months some years.
SEDIMENT CONCENTRATIONS: Maximum daily, 35,800 mg/L, Aug. 2, 1982; minimum daily, 2 mg/L, May 24, 1981.
SEDIMENT LOADS: Maximum daily, 43,600 tons, Aug. 18, 1984; minimum daily, 0.00 ton, on many days during 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV									
09...	1300	1.3	1410	8.0	8.9	7.8	580	99.2	79.4
MAY									
26...	1115	.61	1470	7.8	10.0	6.3	590	101	81.9
AUG									
31...	0840	.63	1440	7.8	10.2	6.5	550	93.4	76.0

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
NOV									
09...	112	2	1.2	385	415	15.6	.4	21.2	977
MAY									
26...	122	2	.8	420	398	13.2	.3	21.1	994
AUG									
31...	113	2	1.2	372	386	13.4	.3	20.6	932

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
NOV									
09...	1.33	3.43	--	--	--	--	--	--	--
MAY									
26...	1.35	1.64	<.010	.235	<.020	.47	<.050	<.010	6.5
AUG									
31...	1.27	1.58	<.010	.438	<.020	.24	<.050	.015	6.0

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAR				
05...	0945	1.3	1530	6.1	08...	1215	.84	1570	5.1
DEC					APR				
01...	1159	1.1	1560	3.6	06...	1200	.84	1420	11.9
JAN					JUL				
25...	1255	.85	1570	2.4	12...	1215	.82	1400	16.1

09306242 CORRAL GULCH NEAR RANGELY, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV					
09...	1300	1.3	8.9	18	.06
MAY					
26...	1115	.61	10.0	2	.00
AUG					
31...	0840	.63	10.2	6	.01

09306255 YELLOW CREEK NEAR WHITE RIVER, CO

LOCATION.--Lat 40°10'07", long 108°24'02", in $NE^1/_4SW^1/_4$ sec.4, T.2 N., R.98 W., Rio Blanco County, Hydrologic Unit 14050006, on left bank 160 ft downstream from bridge on State Highway 64, 0.3 mi upstream from mouth, and 10.0 mi northwest of White River City.

DRAINAGE AREA.--262 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1972 to September 1982, May 1988 to current year.

GAGE.--Water-stage recorder with satellite telemetry, and v-notch concrete control. Elevation of gage is 5,535 ft above sea level, from topographic map.

REMARKS.--Record good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 300 acres.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	6.8	7.0	e6.6	5.4	6.4	7.1	5.8	4.3	3.4	3.0	3.5
2	7.0	6.4	7.0	e6.6	5.5	6.4	7.3	5.8	4.3	3.5	2.9	3.5
3	7.1	6.5	7.5	e5.4	5.8	6.1	7.1	5.7	4.3	3.4	3.1	3.4
4	7.1	6.6	e6.2	e5.3	5.9	6.3	7.4	5.6	4.1	3.4	3.2	3.3
5	7.3	6.6	e7.4	e5.6	5.8	6.4	7.3	5.4	4.0	3.3	3.1	3.3
6	7.3	6.5	e7.4	e5.0	6.1	6.4	6.6	5.3	3.9	3.3	3.1	3.3
7	7.1	6.4	6.6	e5.2	6.1	6.6	6.5	5.4	3.8	3.2	3.0	3.3
8	6.9	6.6	e5.8	e6.3	6.2	6.0	6.5	6.5	3.8	3.4	3.0	3.4
9	7.0	6.4	e5.3	e6.0	6.6	6.1	6.6	6.3	3.9	4.3	3.0	3.6
10	6.9	6.3	e7.0	e6.3	7.6	5.1	6.4	5.7	3.9	4.4	3.0	3.4
11	6.7	6.5	e6.3	e6.1	10	5.3	6.7	5.7	3.8	3.6	3.0	3.3
12	6.5	6.2	6.6	e5.8	8.9	6.2	6.7	5.8	3.7	3.6	3.0	3.3
13	6.3	6.3	e6.5	e5.4	6.7	5.9	6.5	5.8	3.6	3.6	3.0	3.4
14	6.4	5.8	e6.6	e5.7	6.5	6.1	6.5	5.7	3.5	3.4	3.2	3.4
15	6.7	6.0	e5.0	e6.0	6.6	6.4	7.5	5.5	3.6	3.4	3.6	3.4
16	6.3	6.4	e7.4	e6.4	6.0	6.0	7.0	e5.6	3.6	3.5	3.3	3.4
17	e6.2	6.9	e6.6	e6.7	6.6	6.4	6.6	e5.6	3.6	3.6	3.4	3.4
18	6.1	7.3	e5.8	e7.4	6.0	6.3	6.4	e5.7	3.6	3.7	4.3	3.6
19	6.4	e6.7	e5.8	e7.1	5.8	5.9	6.7	e5.6	4.2	3.4	3.9	3.3
20	6.5	5.8	e5.6	e7.0	6.0	6.7	6.8	5.1	4.5	3.3	3.7	3.3
21	6.5	6.6	e5.0	e7.0	6.3	5.6	6.6	5.0	3.9	3.2	3.6	4.1
22	6.5	e5.8	e4.7	e7.0	6.3	6.5	6.9	4.8	3.8	3.1	3.8	5.2
23	6.2	e5.3	e5.4	e6.8	6.1	7.5	6.8	4.7	3.7	3.1	3.9	3.9
24	6.3	e6.0	e5.4	e7.0	6.3	7.4	6.7	4.8	3.8	3.1	3.8	4.0
25	6.2	6.8	e5.6	e7.2	5.8	7.1	6.4	5.3	4.1	3.2	3.7	3.7
26	6.3	6.7	e5.6	e7.3	5.6	7.1	6.3	5.3	3.9	3.1	3.8	3.5
27	7.0	6.7	e5.6	6.3	6.1	6.9	6.2	5.3	3.8	3.1	3.8	3.5
28	6.8	6.8	e6.8	6.9	6.3	7.4	6.0	4.9	3.7	3.1	3.9	3.4
29	7.8	6.6	e7.0	5.9	6.2	7.7	5.9	4.7	3.6	3.1	3.8	3.4
30	6.8	6.8	e6.6	6.5	---	7.2	5.8	4.5	3.5	3.1	4.1	3.3
31	6.8	---	e6.5	9.2	---	7.2	---	4.3	---	3.0	3.7	---
TOTAL	207.9	193.1	193.6	199.0	185.1	200.6	199.8	167.2	115.8	104.9	106.7	105.8
MEAN	6.71	6.44	6.25	6.42	6.38	6.47	6.66	5.39	3.86	3.38	3.44	3.53
MAX	7.8	7.3	7.5	9.2	10	7.7	7.5	6.5	4.5	4.4	4.3	5.2
MIN	6.1	5.3	4.7	5.0	5.4	5.1	5.8	4.3	3.5	3.0	2.9	3.3
AC-FT	412	383	384	395	367	398	396	332	230	208	212	210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2.69	3.04	2.68	2.54	4.40	4.80	3.33	4.55	3.70	3.29	2.62	3.47
MAX	10.2	12.1	9.77	9.05	12.7	18.1	8.88	24.1	19.9	18.5	9.34	17.1
(WY)	1999	1999	1999	1999	1980	1997	1999	1985	1985	1985	1998	1978
MIN	.50	.78	.15	.008	.22	1.64	1.37	1.03	.68	.34	.30	.80
(WY)	1979	1978	1979	1979	1979	1982	1978	1978	1977	1976	1978	1976

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1973 - 2000	
ANNUAL TOTAL	2873.1		1979.5			
ANNUAL MEAN	7.87		5.41		3.15	
HIGHEST ANNUAL MEAN					8.93	1999
LOWEST ANNUAL MEAN					1.28	1977
HIGHEST DAILY MEAN	16	Jun 16	10	Feb 11	500	Sep 7 1978
LOWEST DAILY MEAN	4.6	Jul 4	2.9	Aug 2	a.00	Sep 11 1978
ANNUAL SEVEN-DAY MINIMUM	4.8	Jul 2	3.0	Aug 7	.00	Dec 15 1978
INSTANTANEOUS PEAK FLOW			20	Feb 11	b6800	Sep 7 1978
INSTANTANEOUS PEAK STAGE			5.96	Feb 11	12.97	Sep 7 1978
ANNUAL RUNOFF (AC-FT)	5700		3930		2280	
10 PERCENT EXCEEDS	10		7.0		6.6	
50 PERCENT EXCEEDS	7.5		5.8		2.3	
90 PERCENT EXCEEDS	6.0		3.3		.93	

e Estimated.
a Also occurred Sep 12-16, 1978, and Dec 15, 1978 to Jan 14, 1979.
b On basis of contracted-opening, and flow-over-road measurement of peak flow.

09306255 YELLOW CREEK NEAR WHITE RIVER, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1974 to September 1982, March 1988 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1975 to September 1982.
WATER TEMPERATURE: April 1975 to September 1982.
SUSPENDED-SEDIMENT DISCHARGE: April 1974 to September 1982.

INSTRUMENTATION.--Automatic pumping sediment sampler April 1974 to September 1982. Water-quality monitor April 1975 to September 1982.

REMARKS.--Unpublished maximum and minimum specific conductance data for the period of daily record are available in the district office.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum 5,790 microsiemens, Sept. 17, 1978; minimum, 457 microsiemens, July 21, 1979.
WATER TEMPERATURE: Maximum 35.0°C, July 25, 1978; minimum, 0.0°C, on many days during the winter period.
SEDIMENT CONCENTRATIONS: Maximum daily, 24,000 mg/L, Sept. 7, 1978; minimum daily, no flow several days during Sept. 1978, many days during 1979.
SEDIMENT LOADS: Maximum daily, 290,000 tons, Sept. 7, 1978; minimum daily, no flow several days during Sept. 1978, many days during 1979.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV									
09...	1130	6.5	2960	8.6	5.2	12.9	920	72.7	177
APR									
05...	1045	6.8	3150	8.6	7.7	11.5	920	74.3	177
MAY									
24...	1255	5.3	3200	8.6	14.2	12.2	910	58.4	185
AUG									
31...	1100	3.9	3310	8.6	16.0	12.4	810	53.3	162

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
NOV									
09...	420	6	2.9	724	989	53.2	1.0	8.6	2160
APR									
05...	451	6	2.7	765	1030	51.6	.9	17.1	2260
MAY									
24...	481	7	2.5	783	982	56.2	1.0	11.1	2260
AUG									
31...	541	8	3.1	901	916	69.7	1.2	13.2	2320

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
NOV									
09...	2.94	38.0	--	--	--	--	--	--	--
APR									
05...	3.08	41.3	--	--	--	--	--	--	--
MAY									
24...	3.08	32.5	.015	2.05	<.020	.52	<.050	<.010	9.5
AUG									
31...	3.15	24.5	.031	2.42	<.020	.48	<.050	<.010	8.7

09306255 YELLOW CREEK NEAR WHITE RIVER, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BORON, DIS- SOLVED (UG/L AS B) (01020)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
MAY											
24...	4.6	67	448	<1	<30	66.8	E6	31	<1	4780	<60
AUG											
31...	4.5	92	547	E1	<30	85.2	<7	33	E1	4430	<60

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)
OCT				
04...	1202	7.9	3110	6.5
NOV				
15...	1149	4.6	3100	2.0
JAN				
26...	1235	7.3	3100	4.9
MAR				
09...	0950	6.9	3120	8.2
JUL				
06...	1315	3.6	3230	19.1

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
NOV					
09...	1130	6.5	5.2	15	.26
APR					
05...	1045	6.8	7.7	129	2.4
MAY					
24...	1255	5.3	14.2	14	.21
AUG					
31...	1100	3.9	16.0	10	.11

09306290 WHITE RIVER BELOW BOISE CREEK NEAR RANGELY, CO

LOCATION.--Lat 40°10'47", long 108°33'53", in $SW^1/_4SE^1/_4$ sec.36, T.3 N., R.100 W., Rio Blanco County, Hydrologic Unit 14050007, on left bank at bridge on County Road 73, 0.5 mi downstream from Boise Creek, and 16.4 mi east of Rangely.

DRAINAGE AREA.--2,530 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1982 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,395 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 31,500 acres.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	454	506	459	e430	e430	e400	427	1260	3660	404	206	460
2	466	499	460	e502	e440	e400	420	1260	3170	423	183	428
3	474	487	466	e450	e445	e400	427	1460	2740	444	190	413
4	469	491	454	e395	e455	e410	410	1600	2420	405	191	403
5	469	491	422	e450	e430	e420	416	1770	2170	384	212	388
6	469	489	414	e460	e420	e420	456	1880	1950	357	259	378
7	481	486	461	e350	e415	e430	470	1830	1700	352	240	359
8	499	485	474	e420	e415	e440	476	1830	1510	355	195	370
9	478	481	475	e470	e410	e450	482	1670	1370	374	183	381
10	464	468	417	e470	e430	410	518	1380	1290	415	179	382
11	456	462	e450	e475	e460	400	562	1390	1150	393	174	349
12	448	458	e450	e500	e490	400	588	1460	1000	363	181	310
13	446	456	e440	e490	e465	432	600	1240	918	351	211	293
14	445	453	e440	e490	e460	403	646	1060	857	355	193	278
15	449	459	e400	e505	e440	410	725	987	747	327	219	262
16	459	457	e370	e455	e420	433	706	933	660	327	224	244
17	472	456	e450	e470	417	417	635	995	601	337	228	239
18	462	480	e480	e505	433	416	673	1120	557	385	204	276
19	497	485	e470	e525	423	408	764	932	576	377	385	302
20	496	441	e470	e500	e420	404	725	819	852	337	333	276
21	496	473	e470	e480	e440	429	674	872	765	324	296	280
22	493	484	e450	e470	e460	419	713	1020	603	316	265	579
23	493	488	e448	e440	e450	418	757	1250	543	297	263	615
24	495	452	e420	e430	e440	430	794	1670	510	290	273	514
25	495	402	e400	e450	e430	435	803	2170	513	278	289	516
26	487	481	e420	e470	e420	425	768	2500	519	272	278	471
27	480	517	e425	e460	e410	427	853	3180	514	255	300	458
28	475	494	e415	e375	e400	445	1020	2780	504	265	334	456
29	526	469	e422	e375	e400	490	1280	2930	478	254	371	457
30	539	462	e430	e370	---	456	1340	3380	439	247	386	488
31	496	---	e425	e365	---	453	---	3720	---	238	454	---
TOTAL	14828	14212	13647	13997	12568	13130	20128	52348	35286	10501	7899	11625
MEAN	478	474	440	452	433	424	671	1689	1176	339	255	388
MAX	539	517	480	525	490	490	1340	3720	3660	444	454	615
MIN	445	402	370	350	400	400	410	819	439	238	174	239
AC-FT	29410	28190	27070	27760	24930	26040	39920	103800	69990	20830	15670	23060

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	555	526	452	412	410	537	792	1867	2125	939	528	477
MAX	858	710	663	572	531	752	1512	3434	4572	2175	1117	944
(WY)	1985	1986	1986	1986	1986	1986	1985	1984	1984	1995	1984	1997
MIN	359	362	301	260	268	324	370	566	542	254	202	237
(WY)	1993	1991	1991	1991	1991	1995	1995	1990	1994	1994	1990	1990

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1983 - 2000	
ANNUAL TOTAL	270147		220169			
ANNUAL MEAN	740		602		803	
HIGHEST ANNUAL MEAN					1345	1984
LOWEST ANNUAL MEAN					428	1990
HIGHEST DAILY MEAN	3040	May 31	3720	May 31	6170	May 26 1984
LOWEST DAILY MEAN	e370	Dec 16	174	Aug 11	109	Aug 6 1994
ANNUAL SEVEN-DAY MINIMUM	387	Jan 3	188	Aug 8	147	Aug 3 1994
INSTANTANEOUS PEAK FLOW			4140	Jun 1	6440	Jun 7 1984
INSTANTANEOUS PEAK STAGE			a6.96	Jun 1	8.45	Jun 7 1984
ANNUAL RUNOFF (AC-FT)	535800		436700		581500	
10 PERCENT EXCEEDS	1520		1080		1770	
50 PERCENT EXCEEDS	517		454		520	
90 PERCENT EXCEEDS	422		286		322	

e Estimated.
a Maximum gage height, 7.13 ft, Dec 17, backwater from ice.

09306290 WHITE RIVER BELOW BOISE CREEK, NEAR RANGELY, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1982 to September 1993. October 1994 to current year.

REMARKS.——The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV										
17...	1445	448	736	8.5	5.0	--	--	<1	--	--
APR										
05...	1550	439	783	8.6	13.4	10.2	2.0	10	--	--
MAY										
25...	1435	2270	325	8.2	13.8	8.1	1.9	24	140	39.4
JUL										
27...	1220	260	746	8.4	22.7	9.3	.5	K610	--	--
AUG										
30...	1425	375	760	8.5	21.0	7.8	--	>67	300	73.9

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV									
17...	--	<.010	.062	<.020	.12	.11	E.005	<.006	<.010
APR									
05...	--	<.010	<.050	<.020	.37	.23	.053	E.005	<.010
MAY									
25...	11.0	<.010	.087	.024	1.1	.24	.463	.021	.030
JUL									
27...	--	<.001	<.005	.004	.39	.28	.036	E.005	.002
AUG									
30...	29.0	<.010	<.050	<.020	.69	.26	.198	.011	<.010

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
MAY										
25...	<15	3520	E2	107	<5	21	.1	4	2	9
AUG										
30...	<15	2400	3	68.7	<5	61	.1	4	2	8

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY									
25...	4790	4	7.8	194	<1	8	<2.4	393	E24
AUG									
30...	3360	4	18.2	119	<1	5	<2.4	842	E20

09306290 WHITE RIVER BELOW BOISE CREEK, NEAR RANGELY, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
04...	1016	460	726	7.1
NOV				
09...	1343	460	739	6.8
FEB				
16...	1147	451	842	4.3
APR				
17...	1100	614	595	11.0
MAY				
15...	1500	963	419	15.3
31...	1000	3530	268	14.1
JUN				
20...	1600	873	639	18.2
26...	0930	528	665	17.0
JUL				
06...	1230	326	722	19.7
31...	1015	249	770	21.0
AUG				
03...	1400	188	790	24.4
11...	1017	179	800	20.6

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV									
17...	1445	448	7	8.7	--	--	--	--	--
FEB									
16...	1147	451	108	131	--	--	--	--	--
APR									
05...	1550	439	64	76	--	--	--	--	91
17...	1100	614	322	534	--	--	--	--	54
MAY									
15...	1500	963	693	1800	98	100	100	--	--
25...	1435	2270	612	3750	62	84	95	100	--
31...	1000	3530	410	3910	78	92	99	100	--
JUN									
20...	1600	873	544	1280	--	--	--	--	98
26...	0930	528	14	20	--	--	--	--	95
JUL									
06...	1230	326	25	22	--	--	--	--	96
27...	1220	260	29	20	--	--	--	--	--
31...	1015	249	25	17	--	--	--	--	97
AUG									
03...	1400	188	5	2.5	--	--	--	--	--
11...	1017	179	15	7.4	--	--	--	--	--
30...	1425	375	254	257	--	--	--	--	--

09306305 WHITE RIVER BELOW TAYLOR DRAW RESERVOIR, ABOVE RANGELY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°06'12", long 108°42'56"in NW$^1/_4$NE$^1/_4$ sec.34, T.2 N., R.101 W., Rio Blanco County, Hydrologic Unit 14050007, on left bank 0.2 mi downstream from Taylor Draw Dam, and 4.7 mi east of Rangely.

DRAINAGE AREA.--2,776 mi^2.

PERIOD OF RECORD.--October 1994 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV										
17...	1230	416	725	8.3	4.4	9.7	--	<1	--	--
APR										
05...	1315	459	812	8.5	7.6	9.5	1.6	<1	--	--
MAY										
25...	1225	699	424	8.3	14.7	7.3	.4	20	180	48.3
25...	1310	1760	418	8.5	16.8	8.0	1.0	37	180	48.7
JUL										
27...	1100	261	710	8.4	22.4	6.5	.5	25	--	--
AUG										
30...	1145	368	813	8.2	21.3	4.7	--	>2	300	69.5

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV									
17...	--	<.010	.055	<.020	.12	E.10	E.005	<.006	<.010
APR									
05...	--	<.010	<.050	.032	.22	.18	.012	<.006	<.010
MAY									
25...	14.3	<.010	<.050	<.020	.23	.21	.028	.006	<.010
25...	14.3	<.010	<.050	<.020	.29	.20	.027	.006	<.010
JUL									
27...	--	<.001	.007	.033	.35	.28	.020	E.005	.002
AUG									
30...	30.9	<.010	<.050	.071	.42	.34	.020	.008	<.010

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
MAY										
25...	<15	178	<3	37.4	<5	25	<.1	<1	<2	E1
25...	<15	156	<3	35.1	<5	27	<.1	<1	<2	1
AUG										
30...	<15	130	E2	54.7	<5	62	<.1	E1	<2	E1

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY									
25...	260	<1	E6.3	22	1	E1	<2.4	459	<31
25...	210	<1	E4.8	16	1	E1	<2.4	436	<31
AUG									
30...	160	<1	15.3	30	3	E1	<2.4	836	<31

09306305 WHITE RIVER BELOW TAYLOR DRAW RESERVOIR, ABOVE RANGELY, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
MAY				
25...	1225	699	10	18
25...	1310	1760	8	37
AUG				
30...	1145	368	7	6.8

09339900 EAST FORK SAN JUAN RIVER ABOVE SAND CREEK, NEAR PAGOSA SPRINGS, CO

LOCATION.--Lat 37°23'23", long 106°50'26", in NE$^{1}/_{4}$ sec.4, T.36 N., R.1 E., Archuleta County, Hydrologic Unit 14080101, on right bank 0.3 mi upstream from Sand Creek, 4.0 mi upstream from West Fork San Juan River, and 13 mi northeast of Pagosa Springs.

DRAINAGE AREA.--64.1 mi^2.

PERIOD OF RECORD.--October 1956 to September 1996, October 1998 to current year. Prior to October 1959, published as San Juan River above Sand Creek, near Pagosa Springs.

REVISED RECORDS.--WSP 1713: 1957.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,940 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 500 acres of hay meadows upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Greatest flood since at least 1885 occurred Oct. 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	18	12	e10	e9.4	e11	e37	128	172	31	13	16
2	51	17	12	e9.8	e8.6	e11	e39	128	159	27	13	16
3	47	16	11	e9.6	e9.0	e12	e46	165	144	25	14	16
4	45	16	e9.8	e8.2	e9.4	e13	e56	204	121	23	13	15
5	42	16	e9.2	e8.8	e9.4	e15	e72	233	114	22	11	15
6	41	16	e9.2	e9.8	e9.4	e14	e80	233	106	20	12	14
7	47	16	e9.2	e9.8	e9.4	e14	e84	221	97	21	12	14
8	42	16	e9.8	e9.8	e10	e13	e88	234	90	20	12	16
9	38	15	e9.2	e10	e11	e12	e94	198	97	19	11	18
10	35	15	e10	e9.4	e11	e11	e100	198	83	18	12	15
11	33	15	e11	e9.6	e10	e12	e90	222	74	17	13	14
12	31	14	e8.6	e9.6	e9.6	e13	e100	196	67	18	11	13
13	30	14	e9.2	e9.0	e10	e14	e110	164	61	24	24	13
14	29	14	e9.4	e8.6	e10	e15	e110	145	55	24	39	12
15	27	14	e6.2	e8.6	e10	e16	e100	141	50	30	24	12
16	26	13	e7.2	e8.8	e10	e15	e92	137	46	26	20	12
17	24	13	e9.0	e9.2	e11	e16	e100	122	42	33	21	11
18	24	13	e11	e9.6	e10	e16	e110	106	40	24	22	11
19	24	12	e10	e9.6	e9.6	e15	e94	100	42	21	27	11
20	23	12	e9.6	e9.2	e10	e16	e105	98	35	20	22	11
21	22	12	e9.4	e9.0	e11	e15	e120	109	31	18	20	11
22	22	e12	e8.6	e9.2	e12	e16	e120	155	29	17	19	42
23	21	e11	e8.4	e8.2	e11	e17	e110	220	28	17	18	30
24	21	e11	e8.6	e8.8	e11	e20	e130	252	30	17	19	31
25	20	e10	e9.2	e9.4	e10	e25	e140	249	28	16	19	23
26	20	e12	e10	e9.6	e9.0	e30	e170	225	25	19	20	21
27	20	e14	e9.6	e9.6	e10	e36	e180	203	28	18	18	20
28	19	14	e9.8	e9.0	e11	e40	e180	218	28	16	18	19
29	20	13	e10	e7.4	e12	e37	179	237	37	15	15	19
30	17	12	e9.4	e8.4	---	e36	157	225	30	15	19	19
31	18	---	e9.4	e9.0	---	e35	---	198	---	14	18	---
TOTAL	933	416	295.0	284.6	293.8	581	3193	5664	1989	645	549	510
MEAN	30.1	13.9	9.52	9.18	10.1	18.7	106	183	66.3	20.8	17.7	17.0
MAX	54	18	12	10	12	40	180	252	172	33	39	42
MIN	17	10	6.2	7.4	8.6	11	37	98	25	14	11	11
AC-FT	1850	825	585	565	583	1150	6330	11230	3950	1280	1090	1010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	34.9	22.7	14.4	12.0	13.0	26.8	105	296	334	117	55.8	43.8
MAX	107	74.9	30.3	21.7	24.6	62.9	248	520	788	395	177	207
(WY)	1987	1987	1987	1973	1995	1986	1985	1984	1957	1957	1999	1970
MIN	8.39	8.31	4.68	5.00	5.66	8.86	29.2	70.4	60.2	20.8	15.6	10.6
(WY)	1957	1961	1959	1959	1990	1977	1977	1977	1977	2000	1972	1978

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1957 - 2000	
ANNUAL TOTAL	39690.0		15353.4			
ANNUAL MEAN	109		41.9		89.8	
HIGHEST ANNUAL MEAN					155	1985
LOWEST ANNUAL MEAN					31.5	1977
HIGHEST DAILY MEAN	435	May 23	252	May 24	1180	May 27 1993
LOWEST DAILY MEAN	e6.2	Dec 15	e6.2	Dec 15	3.4	Dec 26 1958
ANNUAL SEVEN-DAY MINIMUM	8.7	Dec 11	8.7	Dec 11	3.7	Dec 13 1958
INSTANTANEOUS PEAK FLOW			300	May 23	a2260	Sep 14 1970
INSTANTANEOUS PEAK STAGE			3.93	May 23	6.75	Sep 14 1970
ANNUAL RUNOFF (AC-FT)	78730		30450		65030	
10 PERCENT EXCEEDS	318		124		272	
50 PERCENT EXCEEDS	65		17		29	
90 PERCENT EXCEEDS	12		9.4		10	

e Estimated.
a From rating curve extended above 460 ft^3/s, on basis of slope-area measurement at gage height, 6.13 ft.

09342500 SAN JUAN RIVER AT PAGOSA SPRINGS, CO

LOCATION.--Lat 37°15'58", long 107°00'37", in NE$^1/_4$SW$^1/_4$ sec.13, T.35 N., R.2 W., Archuleta County, Hydrologic Unit 14080101, on right bank at former bridge site in Pagosa Springs, 0.2 mi upstream from McCabe Creek, 0.6 mi downstream from bridge on U.S. Highway 160, and 2.0 mi upstream from Mill Creek.

DRAINAGE AREA.--298 mi^2.

PERIOD OF RECORD.--October 1910 to December 1914, May 1935 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1313: 1914(M).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,052.04 ft above sea level. Jan. 29 to Mar. 6, 1911, nonrecording gage at site 0.5 mi upstream, at different datum. Mar. 7 to Oct. 4, 1911, nonrecording gage at present site, at different datum. Nov. 23, 1911 to Nov. 14, 1914, nonrecording gage at site 300 ft upstream, at different datum.

REMARKS.--No estimated daily discharges. Record fair. Diversions for irrigation of large areas upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1885, that of Oct. 5, 1911. Flood of June 29, 1927, reached a stage of 13.5 ft, discharge about 16,000 ft^3/s, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	239	94	75	51	48	57	166	676	632	71	25	42
2	223	90	76	49	42	57	184	664	568	76	25	39
3	208	87	72	49	46	57	199	838	522	62	25	39
4	194	87	64	40	48	64	237	1010	422	56	27	35
5	183	88	53	45	48	76	323	1170	383	54	24	34
6	184	87	49	50	48	69	381	1150	369	58	22	34
7	204	86	47	49	48	68	392	1050	322	39	22	34
8	191	86	52	50	50	64	428	1120	284	44	23	34
9	177	87	47	51	53	62	434	913	309	41	25	48
10	169	81	51	48	54	60	504	890	269	37	26	39
11	159	80	58	49	52	55	473	994	231	37	26	33
12	154	80	46	48	48	65	421	890	203	34	27	30
13	142	78	46	47	51	67	500	751	180	43	35	26
14	136	76	50	44	50	74	560	655	159	56	58	25
15	131	76	31	43	51	80	529	649	141	55	63	23
16	128	72	36	45	52	76	441	665	128	68	63	22
17	118	73	50	47	53	78	463	590	115	60	49	20
18	115	76	55	48	51	80	550	482	108	51	50	19
19	117	64	54	49	47	72	502	455	120	40	96	25
20	111	70	49	48	51	80	441	452	108	35	75	26
21	110	71	48	46	55	77	538	500	84	33	71	24
22	106	69	44	46	58	76	580	694	79	29	56	47
23	102	57	42	40	54	83	515	949	78	29	48	56
24	101	58	45	43	56	93	571	1040	77	30	44	77
25	99	50	48	48	52	113	652	985	78	26	52	59
26	98	62	51	49	44	138	723	911	65	24	48	53
27	97	74	48	49	55	158	865	783	71	28	45	48
28	100	75	49	47	63	197	943	839	72	26	42	46
29	100	75	51	35	57	185	902	895	79	28	40	44
30	89	75	48	42	---	183	783	850	75	29	45	49
31	95	---	47	46	---	175	---	739	---	30	51	---
TOTAL	4380	2284	1582	1441	1485	2839	15200	25249	6331	1329	1328	1130
MEAN	141	76.1	51.0	46.5	51.2	91.6	507	814	211	42.9	42.8	37.7
MAX	239	94	76	51	63	197	943	1170	632	76	96	77
MIN	89	50	31	35	42	55	166	452	65	24	22	19
AC-FT	8690	4530	3140	2860	2950	5630	30150	50080	12560	2640	2630	2240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	148	95.4	64.9	55.8	62.6	150	561	1284	1337	399	185	154
MAX	937	399	160	107	142	442	1210	2665	3066	1515	740	859
(WY)	1942	1987	1987	1986	1995	1986	1985	1941	1957	1941	1999	1970
MIN	23.3	33.6	27.5	26.8	29.2	50.3	141	253	163	42.9	28.9	18.8
(WY)	1957	1956	1990	1990	1964	1964	1977	1977	1977	2000	1972	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1936 - 2000	
ANNUAL TOTAL	161101		64578			
ANNUAL MEAN	441		176		375	
HIGHEST ANNUAL MEAN					730	1941
LOWEST ANNUAL MEAN					115	1977
HIGHEST DAILY MEAN	1820	May 24	1170	May 5	4640	May 13 1941
LOWEST DAILY MEAN	31	Dec 15	19	Sep 18	9.7	Oct 5 1956
ANNUAL SEVEN-DAY MINIMUM	45	Dec 12	23	Sep 15	11	Oct 4 1956
INSTANTANEOUS PEAK FLOW			1440	May 5	25000	Oct 5 1911
INSTANTANEOUS PEAK STAGE			3.82	May 5	a17.80	Oct 5 1911
ANNUAL RUNOFF (AC-FT)	319500		128100		271800	
10 PERCENT EXCEEDS	1280		569		1160	
50 PERCENT EXCEEDS	289		64		110	
90 PERCENT EXCEEDS	59		34		44	

a From floodmarks.

09346400 SAN JUAN RIVER NEAR CARRACAS, CO

LOCATION.--Lat 37°00'49", long 107°18'42", in $SE^1/_4SW^1/_4$ sec.17, T.32 N., R.4 W., Archuleta County, Hydrologic Unit 14080101, on right bank five feet above the maximum water surface of Navajo Reservoir, 3 mi northwest of Carracas, 7.2 mi upstream from Piedra River.

DRAINAGE AREA.--1,230 mi^2, approximately.

PERIOD OF RECORD.--Streamflow records, October 1961 to current year. Water-quality data available, July 1969 to August 1973. Sediment data available, August 1973. Statistical summary computed for 1971 to current year.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,090 ft above sea level, from river-profile map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 11,000 acres upstream from station. Highwater diversions upstream from station into Rio Grande basin through Azotea tunnel (station 08284160) began in March 1971. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods occurred Sept. 5 or 6, 1909; Oct. 5, 1911; June 29, 1927.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	321	148	130	e140	e140	154	588	884	725	164	59	114
2	300	145	129	e140	e130	152	602	818	620	154	51	96
3	290	140	121	e130	e130	145	580	956	587	144	47	86
4	277	138	116	e130	e140	145	515	1130	512	124	49	84
5	261	137	125	e120	e150	180	519	1310	457	111	46	78
6	250	138	108	e130	e150	198	596	1350	439	102	43	72
7	257	137	e120	e140	e150	182	600	1210	403	97	40	69
8	268	135	e120	e140	158	181	639	1250	361	91	40	70
9	246	135	e130	e140	156	154	620	1130	354	95	43	99
10	230	133	e130	e140	163	142	695	991	374	84	44	119
11	219	128	e140	e140	159	128	673	1090	321	75	46	87
12	212	127	e130	e140	144	127	592	1040	288	76	48	63
13	208	126	e120	e140	144	146	615	889	257	77	55	63
14	203	123	e120	e140	139	155	711	756	242	100	105	61
15	192	122	e130	e130	144	174	711	729	221	159	121	59
16	194	120	e130	e130	156	177	616	736	205	152	104	53
17	183	118	e130	e130	159	172	581	669	187	147	106	51
18	174	121	e140	e140	148	176	663	593	175	151	102	48
19	179	115	e140	e140	142	166	657	548	178	118	156	48
20	176	98	e140	e140	134	174	558	538	190	87	176	53
21	175	111	e130	e140	140	225	605	553	164	70	139	56
22	172	122	e120	e140	157	242	685	673	149	65	130	55
23	164	126	e120	e130	150	318	626	959	144	59	144	80
24	160	110	e120	e130	153	276	633	1170	140	58	113	100
25	157	112	e120	e130	147	281	731	1070	141	61	129	119
26	155	100	e120	e140	141	288	789	1060	137	58	119	100
27	156	122	e130	e140	127	307	935	879	143	55	108	92
28	155	142	e130	e140	154	344	1060	896	166	70	97	86
29	155	134	e140	e130	159	350	1050	956	157	65	96	82
30	154	130	e140	e110	---	371	926	967	177	65	101	72
31	141	---	e140	e120	---	479	---	849	---	72	111	---
TOTAL	6384	3793	3959	4170	4264	6709	20371	28649	8614	3006	2768	2315
MEAN	206	126	128	135	147	216	679	924	287	97.0	89.3	77.2
MAX	321	148	140	140	163	479	1060	1350	725	164	176	119
MIN	141	98	108	110	127	127	515	538	137	55	40	48
AC-FT	12660	7520	7850	8270	8460	13310	40410	56830	17090	5960	5490	4590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	313	250	178	161	198	603	1074	1735	1801	656	346	298
MAX	932	983	406	296	481	1369	2524	3195	4039	2427	1004	880
(WY)	1987	1987	1987	1987	1986	1995	1979	1973	1985	1995	1999	1982
MIN	106	104	72.9	74.7	85.0	134	233	395	251	97.0	69.0	61.2
(WY)	1979	1990	1990	1990	1990	1977	1977	1977	1977	2000	1972	1978

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1971 - 2000	
ANNUAL TOTAL	229687		95002			
ANNUAL MEAN	629		260		a635	
HIGHEST ANNUAL MEAN					b1191	1985
LOWEST ANNUAL MEAN					b200	1977
HIGHEST DAILY MEAN	2230	Jun 1	1350	May 6	b6700	Mar 12 1985
LOWEST DAILY MEAN	98	Nov 20	40	Aug 7	c28	Sep 14 1974
ANNUAL SEVEN-DAY MINIMUM	111	Nov 20	43	Aug 5	39	Sep 14 1978
INSTANTANEOUS PEAK FLOW			1560	May 6	d8590	Mar 6 1995
INSTANTANEOUS PEAK STAGE			4.05	May 6	f8.10	Mar 6 1995
ANNUAL RUNOFF (AC-FT)	455600		188400		460200	
10 PERCENT EXCEEDS	1600		677		1700	
50 PERCENT EXCEEDS	420		140		287	
90 PERCENT EXCEEDS	130		71		113	

e Estimated.
a Average discharge for 9 years (water years 1962-70), 632 ft^3/s; 457900 acre-ft/yr, prior to completion of Azotea tunnel.
b Also the highest (or lowest, as is appropriate) for the period of record.
c Also minimum daily discharge for period of record.
d Maximum discharge for period of record, 9730 ft^3/s, Sep 6, 1970, gage height, 8.34 ft, from rating curve extended above 6000 ft^3/s, on basis of slope-area measurement of peak flow.
f Maximum gage height for statistical period, and period of record, 9.63 ft, Jan 4, 1994, backwater from ice.

09349800 PIEDRA RIVER NEAR ARBOLES, CO

LOCATION.--Lat 37°05'18", long 107°23'50", in NE$^1/_4$SW$^1/_4$ sec.21, T.33 N., R.5 W., Archuleta County, Hydrologic Unit 14080102, on left bank 2.5 mi upstream from Navajo Reservoir, 3.0 mi downstream from Ignacio Creek, and 4.6 mi northeast of Arboles Post Office.

DRAINAGE AREA.--629 mi^2.

PERIOD OF RECORD.--August 1962 to current year. Gage 09350000 (Piedra River at Arboles) operated 1895-99 and 1910-27 at site 7.5 mi downstream at elevation 6,000 ft, published in WSP 1313. Low-flow records probably not equivalent. Water-quality data available, July 1969 to August 1973, December 1988 to May 1989.

GAGE.--Water-stage recorder with satellite telemetry, and crest-stage gage. Datum of gage is 6,147.52 ft above sea level, Colorado State Highway Department benchmark.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 2,800 acres upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods occurred Sept. 5 or 6, 1909, and Oct. 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	263	112	90	e46	65	74	331	964	582	81	43	91
2	250	110	92	e48	61	76	433	935	518	79	39	80
3	239	107	88	e50	61	82	467	1120	465	75	39	75
4	229	106	82	e50	62	88	573	1250	407	70	41	69
5	221	106	e60	e50	62	108	728	1370	364	64	44	64
6	193	104	e58	e50	62	98	774	1350	341	59	41	64
7	185	103	e56	e50	60	95	751	1190	300	55	39	64
8	179	103	e54	e50	60	91	817	1240	276	58	36	65
9	169	103	e54	e50	63	88	759	1090	267	62	31	69
10	164	102	e52	e50	67	83	846	966	277	55	31	72
11	158	98	e52	e49	70	75	796	1060	230	53	31	61
12	150	97	e52	e49	70	80	692	984	199	49	32	56
13	143	96	e56	e49	66	84	778	812	175	49	39	53
14	142	94	e56	e50	65	92	884	692	161	65	43	49
15	142	93	62	e50	64	122	868	646	150	115	47	47
16	140	92	e58	e52	65	121	773	649	135	90	58	46
17	139	91	e58	e52	68	129	750	629	121	99	65	45
18	136	92	e56	e54	68	147	855	541	114	93	78	42
19	136	87	e54	e56	63	121	819	488	118	75	143	45
20	134	77	e52	63	62	131	694	466	120	65	129	47
21	130	85	e52	63	65	137	794	499	107	59	105	44
22	127	89	e55	62	75	138	859	604	99	54	103	45
23	124	81	e50	60	81	169	780	791	98	51	102	53
24	123	61	e48	59	81	197	848	969	96	47	85	70
25	122	e60	e50	61	77	273	943	882	92	46	90	74
26	120	66	e50	67	66	407	1020	825	85	52	108	69
27	118	80	e50	68	66	387	1220	678	85	52	103	53
28	117	89	e50	65	74	415	1360	692	81	54	87	53
29	116	90	e52	59	73	316	1300	730	79	50	79	51
30	115	88	e50	55	---	317	1140	750	84	48	76	54
31	109	---	e50	66	---	347	---	669	---	48	97	---
TOTAL	4833	2762	1799	1703	1942	5088	24652	26531	6226	1972	2084	1770
MEAN	156	92.1	58.0	54.9	67.0	164	822	856	208	63.6	67.2	59.0
MAX	263	112	92	68	81	415	1360	1370	582	115	143	91
MIN	109	60	48	46	60	74	331	466	79	46	31	42
AC-FT	9590	5480	3570	3380	3850	10090	48900	52620	12350	3910	4130	3510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	179	130	91.9	76.1	94.3	327	878	1299	1049	349	231	219
MAX	618	517	257	153	244	895	2126	2926	2526	1133	1014	943
(WY)	1973	1987	1987	1987	1986	1995	1979	1979	1979	1975	1999	1970
MIN	51.2	48.4	31.2	31.2	34.7	47.4	126	168	121	63.6	37.0	35.3
(WY)	1979	1968	1990	1990	1964	1964	1977	1977	1977	2000	1972	1978

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1963 - 2000	
ANNUAL TOTAL	173887		81362			
ANNUAL MEAN	476		222		411	
HIGHEST ANNUAL MEAN					822	1979
LOWEST ANNUAL MEAN					94.0	1977
HIGHEST DAILY MEAN	2050	Aug 6	1370	May 5	5360	Sep 6 1970
LOWEST DAILY MEAN	e48	Dec 24	31	Aug 9	19	Nov 29 1989
ANNUAL SEVEN-DAY MINIMUM	50	Dec 23	34	Aug 7	26	Dec 11 1989
INSTANTANEOUS PEAK FLOW			1510	May 5	a8370	Sep 6 1970
INSTANTANEOUS PEAK STAGE			3.32	May 5	b6.38	Sep 6 1970
ANNUAL RUNOFF (AC-FT)	344900		161400		297700	
10 PERCENT EXCEEDS	1170		773		1200	
50 PERCENT EXCEEDS	319		85		152	
90 PERCENT EXCEEDS	71		50		55	

e Estimated.
a From rating curve extended above 4,400 ft^3/s, on basis of slope-area measurement of peak flow.
b Gage height, 6.38 ft, recorded, 7.55 ft, from floodmarks.

09352900 VALLECITO CREEK NEAR BAYFIELD, CO
(Hydrologic Benchmark Station)

LOCATION.--Lat 37°28'39", long 107°32'35", in $NE^1/_4NW^1/_4$ sec.16, T.37 N., R.6 W., La Plata County, Hydrologic Unit 14080101, on right bank 60 ft upstream from Fall Creek, 0.8 mi downstream from Bear Creek, 6.7 mi north of Vallecito Dam, and 18 mi north of Bayfield.

DRAINAGE AREA.--72.5 mi^2, (revised).

PERIOD OF RECORD.--October 1962 to current year. Water-quality data available, October 1963 to September 1968, and October 1969 to September 1996.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Datum of gage is 7,906.08 ft above sea level.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversion upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data for Gaging Stations" section of this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods occurred in October 1911 and June 1927.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	28	18	e14	e13	14	31	229	494	87	29	74
2	90	26	18	e13	e12	14	29	287	440	86	29	77
3	84	25	16	e13	e13	15	30	419	394	83	29	74
4	77	25	e15	e11	e13	16	36	518	360	75	29	66
5	74	24	e14	e13	13	18	53	566	347	68	27	69
6	73	24	e13	e14	13	17	66	511	324	65	26	96
7	72	24	e13	e14	13	17	77	458	332	61	25	96
8	69	24	e14	e14	13	e16	86	461	307	59	24	90
9	65	23	e14	e14	14	e15	94	344	364	59	23	88
10	62	22	e15	e13	13	e14	108	347	266	55	23	75
11	60	22	e16	e13	13	e14	102	408	228	53	22	67
12	58	21	e13	e13	13	e16	95	352	218	53	23	60
13	55	21	e13	e13	13	e17	111	281	211	54	25	55
14	53	e19	e14	e12	13	18	123	242	205	54	26	51
15	51	e19	e9.0	e12	13	19	113	235	200	54	31	47
16	47	e19	e11	e13	14	18	101	282	186	53	32	43
17	43	e19	e14	14	14	18	106	278	160	58	31	40
18	43	e18	e15	12	e13	17	125	215	144	54	55	45
19	42	17	e14	12	e13	17	115	196	146	48	90	42
20	41	e18	e14	12	e14	19	109	215	135	44	68	38
21	39	18	e13	13	14	18	126	319	129	40	58	37
22	37	19	e12	13	14	20	130	529	119	37	61	124
23	36	16	e12	e11	14	19	128	847	137	35	58	99
24	34	e15	e13	e13	e14	21	160	929	149	33	54	89
25	33	e14	e14	e13	e12	24	191	691	132	35	55	81
26	33	e18	e14	e13	e13	27	233	451	120	36	59	73
27	32	e19	e13	e13	e14	33	312	432	115	40	59	66
28	31	20	e14	e13	15	40	353	612	108	34	74	62
29	31	19	e13	e10	15	35	316	722	99	32	66	60
30	27	18	e13	e12	---	34	250	671	92	31	95	57
31	29	---	e13	e13	---	33	---	566	---	30	85	---
TOTAL	1617	614	427.0	396	388	633	3909	13613	6661	1606	1391	2041
MEAN	52.2	20.5	13.8	12.8	13.4	20.4	130	439	222	51.8	44.9	68.0
MAX	96	28	18	14	15	40	353	929	494	87	95	124
MIN	27	14	9.0	10	12	14	29	196	92	30	22	37
AC-FT	3210	1220	847	785	770	1260	7750	27000	13210	3190	2760	4050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	79.7	44.8	27.7	21.1	20.2	34.9	112	400	525	248	139	117
MAX	280	104	52.0	42.5	44.5	80.8	226	629	927	596	442	455
(WY)	1973	1987	1986	1986	1986	1989	1989	1993	1980	1995	1999	1970
MIN	22.3	16.7	9.89	9.51	8.42	9.11	40.3	138	152	51.8	44.1	25.1
(WY)	1979	1976	1977	1977	1977	1977	1964	1977	1977	2000	1996	1978

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1963 - 2000	
ANNUAL TOTAL	67995.0		33296.0			
ANNUAL MEAN	186		91.0		148	
HIGHEST ANNUAL MEAN					226	1973
LOWEST ANNUAL MEAN					63.3	1977
HIGHEST DAILY MEAN	845	Aug 11	929	May 24	3020	Sep 6 1970
LOWEST DAILY MEAN	e9.0	Dec 15	e9.0	Dec 15	6.7	Dec 28 1976
ANNUAL SEVEN-DAY MINIMUM	13	Dec 12	12	Jan 18	7.4	Dec 23 1976
INSTANTANEOUS PEAK FLOW			1660	May 23	a7050	Sep 6 1970
INSTANTANEOUS PEAK STAGE			b2.83	May 23	c6.51	Sep 6 1970
ANNUAL RUNOFF (AC-FT)	134900		66040		107200	
10 PERCENT EXCEEDS	537		279		418	
50 PERCENT EXCEEDS	76		34		62	
90 PERCENT EXCEEDS	18		13		18	

e Estimated.
a From rating curve extended above 1400 ft^3/s, on basis of slope-area measurement of peak flow.
b Maximum gage height, 3.69 ft, Jan 24, backwater from ice.
c Maximum gage height, 6.51 ft, from water-stage recorder, 6.76 ft, from floodmarks.

09353000 VALLECITO RESERVOIR NEAR BAYFIELD, CO

LOCATION.--Lat 37°23'00", long 107°34'30", in $SW^1/_4SW^1/_4$ sec.18, T.36 N., R.6 W., La Plata County, Hydrologic Unit 14080101, in gatehouse above outlet gates at Vallecito Dam on Los Pinos (Pine) River, 300 ft left of spillway, 0.4 mi upstream from Jack Creek, and 11 mi northeast of Bayfield.

DRAINAGE AREA.--255 mi^2, (revised).

PERIOD OF RECORD.--April 1941 to current year, monthly acre feet only 1941-1960, published in WSP 1313 and 1733.

REVISED RECORDS.--WSP 959: 1941. WSP 1513: 1956.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,580 ft above sea level (levels by U.S. Bureau of Reclamation); gage readings have been reduced to elevations above sea level.

REMARKS.--Reservoir is formed by earth and rockfill dam; dam completed in March 1941. Capacity of reservoir, 125,640 acre-ft between elevations 7,580 ft, sill of outlet gate, and 7,665 ft, top of spillway gates. Dead storage, 4,314 acre-ft. Figures given are usable contents. Reservoir is used to store water for irrigation in Los Pinos (Pine) River basin and provide hydroelectric power.

COOPERATION.--Records provided by Pine River Irrigation District.

EXTREMES (AT 0900) FOR PERIOD OF RECORD.--Maximum contents, 128,200 acre-ft, July 27, 1957, elevation, 7,665.72 ft; minimum, 1,520 acre-ft, Oct. 24-25, 1944, elevation, 7,584.10 ft. No usable storage prior to April 1941.

EXTREMES (AT 0900) FOR CURRENT YEAR.--Maximum contents, 122,930 acre-ft, June 3, elevation, 7,664.08 ft; minimum, 29,740 acre-ft, Sep. 30, elevation, 7,620.46 ft.

MONTHEND ELEVATION AND CONTENTS, AT 0900, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	7,647.44	80,900	-
Oct. 31	7,640.14	64,580	-16,320
Nov. 30	7,641.62	67,770	+3,190
Dec. 31	7,642.44	69,560	+1,790
CAL YR 1999	-	-	-2,880
Jan. 31	7,643.21	71,260	+1,700
Feb. 29	7,643.90	72,790	+1,530
Mar. 31	7,645.71	76,900	+4,110
Apr. 30	7,653.85	96,380	+19,480
May 31	7,663.77	122,090	+25,710
June 30	7,657.36	105,260	-16,830
July 31	7,644.02	73,060	-32,200
Aug. 31	7,630.34	45,370	-27,690
Sept. 30	7,620.46	29,740	-15,630
WTR YR 2000	-	-	-51,160

09353800 LOS PINOS RIVER NEAR IGNACIO, CO

LOCATION.--Lat 37°09'58", long 107°34'57", in $NW^{1}/_{4}NW^{1}/_{4}$ sec.26, T.34 N., R.7 W., La Plata County, Hydrologic Unit 14080101, on right bank 1.7 mi downstream from Pine River Canal, 2.2 mi upstream from Beaver Creek, and 5.2 mi northeast of Ignacio.

DRAINAGE AREA.--340 mi^2.

PERIOD OF RECORD.--October 1999 to September 2000.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,630 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Vallecito Reservoir (station 09353000, capacity 125,640 acre ft.) 14 mi upstream since April 1941. Diversions for irrigation of about 2,040 acres upstream and about 40,040 acres downstream from the station. Some waste water is diverted to adjacent basins. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	53	25	e31	33	35	79	152	26	11	3.1	12
2	191	37	25	e31	45	36	79	106	24	6.2	2.9	18
3	189	36	25	e29	48	35	77	52	23	5.3	2.8	5.7
4	183	27	26	e27	49	36	78	64	24	3.4	2.1	3.1
5	177	20	e27	e29	49	39	87	45	23	3.3	3.3	4.3
6	171	19	e27	e31	38	41	94	49	26	3.0	2.6	3.8
7	144	18	e27	e31	35	48	97	38	27	4.1	2.5	3.9
8	117	17	e27	e32	35	45	99	44	23	11	3.6	4.7
9	153	17	e27	e31	35	45	98	40	24	14	5.2	4.0
10	160	15	27	e31	35	41	103	27	16	13	8.1	2.9
11	168	15	28	e30	34	39	99	23	13	14	4.4	3.5
12	173	14	e29	e29	e34	39	96	27	13	16	2.5	6.4
13	164	14	e29	e29	e34	39	95	21	13	16	5.9	15
14	142	14	e29	e29	35	38	97	15	11	7.5	3.3	11
15	143	16	e29	e29	35	39	105	19	13	7.8	2.9	10
16	146	15	e30	e29	e34	37	103	26	14	7.3	8.6	11
17	162	15	e31	e30	e33	37	99	33	11	6.3	17	17
18	159	13	e33	32	e33	39	97	32	12	7.3	31	17
19	73	16	e32	31	e34	38	97	31	12	9.8	42	5.2
20	37	16	e31	e32	e35	44	88	34	7.9	12	18	2.6
21	56	16	e29	e31	36	60	87	32	5.5	10	22	2.2
22	52	18	e28	31	e36	70	88	31	2.6	8.3	14	2.9
23	45	22	e27	31	e36	80	86	41	5.0	7.0	5.4	6.4
24	45	26	e29	30	38	69	74	37	5.9	6.8	7.0	8.9
25	107	28	e30	31	38	69	27	27	7.1	4.4	12	8.4
26	68	27	e29	44	35	76	20	19	7.2	4.7	2.1	9.6
27	63	25	e28	53	36	76	14	20	16	5.8	2.5	8.9
28	61	25	e27	38	36	78	130	19	16	2.5	12	14
29	59	25	e27	31	35	70	189	20	16	2.6	11	15
30	58	25	e28	e30	---	70	169	20	19	4.2	21	11
31	59	---	e30	e31	---	76	---	27	---	3.4	8.4	---
TOTAL	3724	644	876	984	1069	1584	2751	1171	456.2	238.0	289.2	248.4
MEAN	120	21.5	28.3	31.7	36.9	51.1	91.7	37.8	15.2	7.68	9.33	8.28
MAX	199	53	33	53	49	80	189	152	27	16	42	18
MIN	37	13	25	27	33	35	14	15	2.6	2.5	2.1	2.2
AC-FT	7390	1280	1740	1950	2120	3140	5460	2320	905	472	574	493

SUMMARY STATISTICS	FOR 2000 WATER YEAR	
ANNUAL TOTAL	14034.8	
ANNUAL MEAN	38.3	
HIGHEST DAILY MEAN	199	Oct 1
LOWEST DAILY MEAN	2.1	Aug 4
ANNUAL SEVEN-DAY MINIMUM	2.8	Aug 1
INSTANTANEOUS PEAK FLOW	310	Oct 7
INSTANTANEOUS PEAK STAGE	3.91	Oct 7
ANNUAL RUNOFF (AC-FT)	27840	
10 PERCENT EXCEEDS	95	
50 PERCENT EXCEEDS	29	
90 PERCENT EXCEEDS	4.9	

e Estimated.

09354500 LOS PINOS RIVER AT LA BOCA, CO

LOCATION.--Lat 37°00'34", long 107°35'56", in $NE^1/_4NW^1/_4$ sec.22, T.32 N., R.7 W., La Plata County, Hydrologic Unit 14080101, on downstream end of right abutment of the Denver & Rio Grande Western Railroad Co. bridge, at southeast edge of La Boca, 0.5 mi upstream from Spring Creek, and 2 mi upstream from maximum elevation of Navajo Reservoir.

DRAINAGE AREA.--520 mi^2, (revised).

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for some periods, published in WSP 1733. Water-quality data available, July 1969 to August 1973, January 1988 to September 1991.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,127.21 ft above sea level (revised).

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Vallecito Reservoir (station 09353000, capacity 125,640 acre ft.) 24 mi upstream since April 1941. Diversions for irrigation of about 55,000 acres upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood on Oct. 5, 1911 has not yet been exceeded.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	316	117	45	e34	45	40	222	196	126	176	136	129
2	303	95	44	e34	50	45	306	152	130	151	137	133
3	303	88	e42	e32	66	44	220	89	133	156	141	114
4	297	76	e37	e30	62	42	164	120	136	137	138	107
5	288	58	e34	e34	62	48	157	95	133	135	122	121
6	285	52	e33	e35	54	58	166	83	128	124	113	111
7	256	49	e34	e35	44	79	172	94	133	131	112	113
8	250	48	e35	e36	43	90	178	85	132	138	112	124
9	244	46	e33	e35	44	81	175	91	149	152	116	141
10	264	43	e38	e34	47	68	183	100	136	143	130	111
11	269	42	e39	e35	e43	55	178	95	131	137	125	104
12	271	40	e34	e34	45	51	171	91	133	128	139	97
13	269	38	e33	e33	e45	52	166	94	126	139	157	103
14	247	37	e33	e32	e45	50	169	95	122	130	137	98
15	255	38	e33	e32	45	52	177	99	119	123	122	99
16	266	38	e34	e32	e46	49	177	99	115	124	128	106
17	286	38	e35	e33	e45	46	166	116	115	131	146	106
18	314	34	e37	e34	e43	47	163	135	118	123	168	112
19	227	32	e36	e34	e42	45	162	142	138	120	362	113
20	149	e32	e34	e33	e45	54	148	144	127	120	189	103
21	171	e29	e33	e33	47	95	143	144	117	114	188	94
22	169	e31	e31	e32	e48	141	144	143	113	114	201	112
23	162	e33	e31	e30	e48	256	140	143	129	112	167	103
24	166	e34	e33	e34	49	219	136	135	134	116	173	108
25	213	e34	e34	e38	48	179	103	130	139	121	162	103
26	167	e38	e34	e50	42	162	68	124	134	134	126	85
27	130	45	e32	92	45	143	56	133	163	136	108	68
28	118	44	e30	72	44	137	136	126	187	127	140	59
29	121	44	e30	e47	41	125	243	128	160	124	118	66
30	115	43	e32	e44	---	119	224	120	177	140	157	56
31	117	---	e35	e43	---	139	---	117	---	149	137	---
TOTAL	7008	1416	1078	1186	1373	2811	5013	3658	4033	4105	4607	3099
MEAN	226	47.2	34.8	38.3	47.3	90.7	167	118	134	132	149	103
MAX	316	117	45	92	66	256	306	196	187	176	362	141
MIN	115	29	30	30	41	40	56	83	113	112	108	56
AC-FT	13900	2810	2140	2350	2720	5580	9940	7260	8000	8140	9140	6150

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	199	137	104	75.5	97.8	219	344	433	512	305	242	218
MAX	672	709	396	182	362	972	1339	1719	1555	1381	1349	725
(WY)	1987	1987	1983	1985	1993	1993	1979	1958	1979	1957	1999	1997
MIN	47.9	32.1	33.8	33.9	38.6	45.1	22.8	44.3	74.5	81.6	80.4	58.3
(WY)	1978	1960	1964	1978	1978	1977	1951	1951	1977	1959	1977	1951

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1951 - 2000	
ANNUAL TOTAL	135421		39387			
ANNUAL MEAN	371		108		244	
HIGHEST ANNUAL MEAN					582	1973
LOWEST ANNUAL MEAN					77.4	1959
HIGHEST DAILY MEAN	2070	Aug 6	362	Aug 19	4560	Jul 27 1957
LOWEST DAILY MEAN	e29	Nov 21	e29	Nov 21	6.1	May 1 1977
ANNUAL SEVEN-DAY MINIMUM	32	Dec 23	32	Dec 23	8.3	Apr 30 1977
INSTANTANEOUS PEAK FLOW			623	Aug 19	a6400	Jul 27 1957
INSTANTANEOUS PEAK STAGE			5.09	Aug 19	b8.95	Jul 27 1957
ANNUAL RUNOFF (AC-FT)	268600		78120		176900	
10 PERCENT EXCEEDS	1090		178		551	
50 PERCENT EXCEEDS	136		112		134	
90 PERCENT EXCEEDS	38		34		50	

e Estimated.
a From rating curve extended above 5100 ft^3/s.
b Maximum gage height, 9.00 ft, backwater from ice, sometime during period, Dec 23, 1990 to Jan 17, 1991.

09355000 SPRING CREEK AT LA BOCA, CO

LOCATION.--Lat 37°00'40", long 107°35'47", in $SE^1/_4SW^1/_4$ sec.15, T.32 N., R.7 W., La Plata County, Hydrologic Unit 14080101, on right bank in an excavated channel, 0.2 mi upstream from mouth, and 0.2 mi east of La Boca.

DRAINAGE AREA.--58.2 mi^2, (revised).

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for some periods, published in WSP 1733. Water-quality data available May 1974, January 1988 to September 1991.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,160 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges and those discharges greater than 100 ft^3/s, which are poor. Part of flow is return waste from irrigation. Nearly all irrigation in this basin is water diverted from Los Pinos River which causes a considerable change in the annual pattern and natural flow. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	8.8	e3.2	e2.1	e2.8	1.3	40	31	38	54	56	32
2	48	8.4	e3.2	e2.1	e2.8	1.3	29	18	43	52	57	32
3	50	e8.0	e3.1	e2.1	e3.0	1.2	18	16	44	47	55	33
4	54	e7.5	e2.9	e2.1	e2.8	1.1	15	16	46	46	57	35
5	54	e7.0	e2.6	e2.1	e2.7	1.3	13	15	44	46	56	38
6	57	e5.8	e2.4	e2.1	e2.6	1.3	9.8	17	41	47	52	38
7	54	e6.0	e2.4	e2.1	e2.5	2.2	7.4	16	41	51	52	39
8	53	e5.6	e2.4	e2.2	e2.4	5.1	6.4	20	42	49	54	42
9	47	e5.3	e2.3	e2.2	e2.5	2.0	e6.0	27	47	57	56	52
10	55	5.5	e2.3	e2.3	e2.6	1.4	e5.5	27	46	56	49	44
11	57	5.3	e2.3	e2.5	e2.6	1.3	4.9	23	50	56	49	39
12	54	e5.2	e2.2	e2.8	2.4	1.3	4.7	23	50	50	57	38
13	51	e5.0	e2.2	e2.8	2.6	1.3	4.1	24	38	56	61	38
14	51	e5.2	e2.1	e3.0	2.2	1.3	4.5	27	34	56	54	39
15	50	e5.4	e2.1	e3.0	2.5	1.3	5.1	32	37	55	45	46
16	51	e5.6	e2.0	e3.0	2.3	1.3	5.0	27	38	59	43	50
17	53	e5.8	e2.0	e3.3	1.9	1.2	4.5	29	38	61	48	46
18	55	6.0	e2.0	e3.8	1.9	1.2	4.6	32	37	56	72	49
19	54	5.7	e2.0	e3.3	1.5	1.2	4.5	40	46	54	217	49
20	51	e5.6	e2.0	e2.9	1.3	1.4	4.7	42	43	51	68	48
21	48	e5.6	e1.9	e2.9	1.4	5.8	4.4	39	36	48	126	50
22	41	e5.2	e2.0	e2.8	1.4	25	4.5	36	38	47	174	56
23	42	e4.2	e2.0	e2.7	1.3	23	4.2	37	45	48	50	53
24	40	e3.2	e2.0	e2.6	1.3	7.4	3.7	39	49	49	48	55
25	49	e3.5	e2.0	e3.3	1.2	2.5	3.4	40	51	55	44	51
26	28	e3.8	e2.1	e5.7	1.5	1.6	31	38	50	63	44	51
27	13	e3.5	e2.3	e4.2	1.3	1.0	9.5	39	56	59	42	53
28	11	e3.3	e2.3	e3.2	1.3	.96	10	41	57	52	48	55
29	10	e3.1	e2.3	e2.9	1.2	.91	15	43	56	56	54	44
30	9.7	e3.0	e2.3	e3.1	---	.87	12	40	55	63	113	34
31	9.4	---	e2.1	e3.1	---	1.7	---	40	---	57	46	---
TOTAL	1346.1	161.1	71.0	88.3	59.8	101.74	294.4	934	1336	1656	2047	1329
MEAN	43.4	5.37	2.29	2.85	2.06	3.28	9.81	30.1	44.5	53.4	66.0	44.3
MAX	57	8.8	3.2	5.7	3.0	25	40	43	57	63	217	56
MIN	9.4	3.0	1.9	2.1	1.2	.87	3.4	15	34	46	42	32
AC-FT	2670	320	141	175	119	202	584	1850	2650	3280	4060	2640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	35.2	10.7	5.47	4.76	9.84	18.3	13.3	39.1	57.7	67.8	66.4	58.6
MAX	87.9	29.6	20.4	19.3	54.8	89.7	41.1	64.5	79.3	111	132	92.0
(WY)	1973	1956	1985	1980	1980	1979	1979	1992	1986	1996	1996	1983
MIN	5.25	3.68	1.74	2.04	2.06	2.36	3.77	15.7	24.4	21.2	32.1	26.5
(WY)	1978	1978	1960	1973	2000	1999	1978	1978	1977	1977	1977	1951

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1951 - 2000	
ANNUAL TOTAL	10719.0		9424.44			
ANNUAL MEAN	29.4		25.7		32.7	
HIGHEST ANNUAL MEAN					47.7	1987
LOWEST ANNUAL MEAN					15.6	1977
HIGHEST DAILY MEAN	255	Aug 3	217	Aug 19	918	Mar 6 1995
LOWEST DAILY MEAN	1.4	Apr 16	.87	Mar 30	.87	Mar 30 2000
ANNUAL SEVEN-DAY MINIMUM	1.4	Apr 15	1.2	Feb 27	1.0	Dec 7 1959
INSTANTANEOUS PEAK FLOW			550	Aug 21	a1980	Sep 6 1970
INSTANTANEOUS PEAK STAGE			3.56	Aug 21	b4.62	Sep 6 1970
ANNUAL RUNOFF (AC-FT)	21260		18690		23660	
10 PERCENT EXCEEDS	80		55		71	
50 PERCENT EXCEEDS	10		16		23	
90 PERCENT EXCEEDS	2.3		1.9		3.2	

e Estimated.
a From rating curve extended above 160 ft^3/s, on the basis of field estimate of peak flow.
b Maximum gage height, 5.98 ft, Mar 9, 1960, backwater from ice.

09358000 ANIMAS RIVER AT SILVERTON, CO

LOCATION.--Lat 37°48'40", long 107°39'31", in SE$^1/_4$NW$^1/_4$ sec.17, T.41 N., R.7 W., San Juan County, Hydrologic Unit 14080104, on right bank at southeast end of 14th Street, 800 feet upstream from Cement Creek, in the city of Silverton.

DRAINAGE AREA.--70.6 mi^2.

PERIOD OF RECORD.--June to October 1903 (staff gage), monthly discharge only, published in WSP 1313. October 1991 to September 1993, October 1994 to current year.

REVISED RECORDS.--WDR CO 92-2: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 9,290 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversions upstream for irrigation in Animas River drainage. Natural regulation by many lakes upstream from station. Mineral Point Ditch exports 100 to 400 acre feet of water per year from headwaters of Animas River to Uncompahgre River drainage. City of Silverton diverts some water from Boulder Creek (tributary) for municipal use. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1884, was probably that of October 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e70	e18	e29	e26	e18	e17	e23	193	683	121	47	85
2	e69	e21	e29	e25	e18	e17	e23	227	586	117	46	94
3	e69	e21	e29	e24	e18	e16	e24	328	570	111	48	85
4	e68	e21	e27	e30	e17	e17	e26	428	574	102	51	79
5	e68	e20	e25	e29	e17	e17	e31	502	524	92	46	80
6	e67	e20	e26	e42	e17	e18	e37	493	490	88	42	106
7	70	e20	e27	e36	e17	e19	e45	457	523	90	42	106
8	69	e20	e28	e29	e17	e20	e54	474	513	92	40	110
9	67	e20	e25	e25	e18	e20	e63	336	548	96	39	111
10	65	e19	e26	e25	e17	e20	e68	301	446	85	41	99
11	63	e19	e28	e25	e16	e20	e60	331	416	80	43	92
12	62	18	e24	e26	e16	e19	e62	289	394	85	45	84
13	60	17	e23	e26	e17	e20	e63	236	377	80	52	80
14	58	17	e24	e25	e17	e20	71	211	371	74	51	75
15	56	e18	e26	e23	e17	e20	72	201	361	74	50	71
16	55	18	e28	e19	e17	e20	68	225	330	81	50	67
17	41	18	e31	e18	e17	e20	78	239	277	91	49	64
18	41	18	e31	e18	e18	e20	92	194	242	78	68	67
19	44	18	e27	e18	e16	e20	82	183	263	67	90	63
20	38	24	e26	e18	e16	e20	80	200	242	61	79	57
21	39	e27	e29	e19	e17	e20	95	295	222	56	81	56
22	40	e30	e30	e17	e18	e20	103	436	199	52	97	77
23	42	e29	e29	e15	e18	e21	102	651	192	48	94	67
24	39	e29	e30	e16	e18	e21	117	772	172	53	96	67
25	37	e29	e31	e18	e18	e22	132	650	166	62	91	62
26	31	e31	e29	e19	e16	e23	162	440	167	68	91	60
27	25	e31	e29	e18	e16	e24	218	432	167	65	91	58
28	19	e30	e29	e17	e17	e25	263	640	153	59	91	58
29	17	e30	e30	e15	e17	e25	259	824	140	55	83	65
30	9.7	e30	e37	e14	---	e24	213	839	131	52	99	65
31	16	---	e44	e16	---	e24	---	762	---	50	90	---
TOTAL	1514.7	681	886	691	496	629	2786	12789	10439	2385	2023	2310
MEAN	48.9	22.7	28.6	22.3	17.1	20.3	92.9	413	348	76.9	65.3	77.0
MAX	70	31	44	42	18	25	263	839	683	121	99	111
MIN	9.7	17	23	14	16	16	23	183	131	48	39	56
AC-FT	3000	1350	1760	1370	984	1250	5530	25370	20710	4730	4010	4580

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	65.3	39.5	30.2	25.7	24.6	29.3	60.4	312	564	310	132	84.9
MAX	136	64.9	41.4	33.8	36.1	43.3	92.9	454	794	734	253	131
(WY)	1998	1998	1998	1995	1995	1995	2000	1996	1997	1995	1995	1999
MIN	33.4	22.7	18.9	13.8	15.7	18.6	39.6	147	348	76.9	44.4	53.0
(WY)	1993	2000	1992	1992	1992	1992	1993	1995	2000	2000	1996	1996

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1992 - 2000	
ANNUAL TOTAL	57171.7		37629.7			
ANNUAL MEAN	157		103		140	
HIGHEST ANNUAL MEAN					194	1995
LOWEST ANNUAL MEAN					103	2000
HIGHEST DAILY MEAN	897	Jun 17	839	May 30	1180	Jun 4 1997
LOWEST DAILY MEAN	9.7	Oct 30	9.7	Oct 30	9.7	Oct 30 1999
ANNUAL SEVEN-DAY MINIMUM	17	Oct 28	17	Jan 27	13	Jan 16 1992
INSTANTANEOUS PEAK FLOW			1110	May 29	1470	Jun 4 1997
INSTANTANEOUS PEAK STAGE			4.01	May 29	a,b3.99	Jun 4 1997
ANNUAL RUNOFF (AC-FT)	113400		74640		101500	
10 PERCENT EXCEEDS	468		291		404	
50 PERCENT EXCEEDS	50		46		52	
90 PERCENT EXCEEDS	20		17		20	

e Estimated.
a Maximum gage height during period Jun to Oct 1903, 4.90 ft, Jun 17, 1903, site and datum then in use.
b Maximum gage height during period 1992 to 2000, 4.27 ft, Jun 22, 1997, due to channel change, present site and datum.

09358550 CEMENT CREEK AT SILVERTON, CO

LOCATION.--Lat 37°49'11", long 107°39'47", in $SW^1/_4SW^1/_4$ sec.8, T.41 N., R.7 W., San Juan County, Hydrologic Unit 14080104, on left bank, at abandoned railroad crossing Cement Creek, 0.1 mile north of Silverton, and 0.8 mile upstream from mouth.

DRAINAGE AREA.--20.1 mi^2.

PERIOD OF RECORD.--October 1991 to September 1993, October 1994 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 9,380 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural regulation by many lakes upstream from station. Diversions for mining operations upstream from station. However, these diversions are returned to the creek upstream of the gage. Mine drainage contributes considerable amounts of water to the creek. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred October 5, 1911. A more recent flood occurred June 6, 1978, when Lake Emma (6.5 mi northeast of Silverton) was undermined by mining operations, and released a large quantity of water into the headwaters of Cement Creek. Discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e22	16	14	e13	e8.8	e10	13	65	141	27	15	19
2	e21	16	14	e13	e10	e11	13	95	121	27	15	21
3	e20	15	14	e12	e10	e11	13	126	117	26	16	18
4	e19	15	e13	e16	e10	e10	15	145	112	24	16	18
5	e19	15	e12	e14	e10	e11	19	150	100	23	15	17
6	e19	15	e12	e21	e9.6	e11	22	136	96	23	15	21
7	20	15	e13	e16	e9.4	e12	25	126	96	22	14	19
8	20	15	e13	e14	e9.6	e12	27	127	92	22	14	21
9	20	15	e12	e12	e10	e13	34	103	96	23	15	20
10	19	14	e13	e13	e11	e13	35	105	80	22	15	19
11	19	15	e13	e14	e10	e13	29	112	73	23	15	18
12	18	14	e12	e14	e9.4	e12	30	98	68	22	15	18
13	18	14	e11	e14	e10	e13	39	85	65	20	16	17
14	18	14	e12	e14	e10	e13	39	75	63	21	15	17
15	18	14	e13	e13	e10	e13	31	73	61	21	18	16
16	18	14	e15	e10	e10	13	27	84	58	26	16	16
17	17	14	e16	e10	e10	13	39	82	50	25	16	16
18	17	14	e15	e10	e11	13	41	66	47	22	19	17
19	17	14	e13	e10	e11	12	31	59	45	20	20	16
20	17	14	e13	e10	e9.6	13	37	70	42	20	17	16
21	17	14	e15	e10	e9.2	13	46	95	39	19	18	16
22	17	14	e15	e10	e11	13	45	129	37	18	18	20
23	16	14	e14	e9.2	e11	13	45	172	37	18	17	18
24	16	14	e15	e8.4	e11	13	54	202	35	18	17	18
25	16	14	e15	e9.4	e11	13	65	165	33	17	22	17
26	16	14	e14	e10	e10	13	81	117	33	20	24	17
27	16	14	e14	e10	e9.6	15	105	119	33	18	21	16
28	16	14	e15	e10	e9.4	15	108	150	31	17	29	16
29	16	14	e19	e8.8	e9.8	15	90	185	29	16	21	18
30	16	14	e26	e8.0	---	15	66	192	28	16	23	17
31	16	---	e16	e7.6	---	14	---	172	---	16	19	---
TOTAL	554	432	441	364.4	291.4	394	1264	3680	1958	652	546	533
MEAN	17.9	14.4	14.2	11.8	10.0	12.7	42.1	119	65.3	21.0	17.6	17.8
MAX	22	16	26	21	11	15	108	202	141	27	29	21
MIN	16	14	11	7.6	8.8	10	13	59	28	16	14	16
MED	18	14	14	10	10	13	36	117	60	21	16	18
AC-FT	1100	857	875	723	578	781	2510	7300	3880	1290	1080	1060

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	19.5	16.3	13.8	12.7	13.1	16.2	29.3	104	145	65.6	29.3	22.9
MAX	28.9	19.8	15.6	15.8	17.8	22.7	42.1	145	263	149	50.7	34.6
(WY)	1998	1999	1995	1995	1995	1995	2000	1996	1995	1995	1999	1999
MIN	14.0	13.3	10.6	8.63	9.91	12.7	22.6	57.2	65.3	21.0	17.6	17.5
(WY)	1992	1992	1992	1992	1993	2000	1998	1995	2000	2000	2000	1996

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1992 - 2000	
ANNUAL TOTAL	15991.1		11109.8			
ANNUAL MEAN	43.8		30.4		40.7	
HIGHEST ANNUAL MEAN					56.3	1995
LOWEST ANNUAL MEAN					30.4	2000
HIGHEST DAILY MEAN	206	Jun 17	202	May 24	385	Jun 16 1995
LOWEST DAILY MEAN	e8.2	Jan 25	e7.6	Jan 31	e7.5	Jan 2 1992
ANNUAL SEVEN-DAY MINIMUM	11	Jan 23	9.0	Jan 26	8.4	Dec 30 1991
INSTANTANEOUS PEAK FLOW			252	May 29	471	Jun 14 1995
INSTANTANEOUS PEAK STAGE			2.12	May 29	2.85	Jun 14 1995
ANNUAL RUNOFF (AC-FT)	31720		22040		29460	
10 PERCENT EXCEEDS	124		83		106	
50 PERCENT EXCEEDS	20		16		19	
90 PERCENT EXCEEDS	13		10		12	

e Estimated.

09359010 MINERAL CREEK AT SILVERTON, CO

LOCATION.--Lat 37°48'10", long 107°40'20", in $NW^1/_4NE^1/_4$ sec.19, T.41 N., R.7 W., San Juan County, Hydrologic Unit 14080104, on right bank at southwest end of Greene Street at abandoned bridge crossing Mineral Creek, 300 ft downstream from U. S. Highway 550 crossing Mineral Creek, 1,400 ft upstream from mouth, and 0.5 mi southwest of Silverton.

DRAINAGE AREA.--52.5 mi^2.

PERIOD OF RECORD.--October 1991 to September 1993, October 1994 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 9245.98 ft above sea level, from San Juan County bench mark.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural regulation by many lakes upstream from station. Diversions upstream from Mineral Creek drainage to Uncompahgre River drainage consists of 100 to 200 acre-feet per year through Red Mountain Ditch and 400 to 500 acre-feet per year through Carbon Lake Ditch. City of Silverton diverts some water from Bear Creek (tributary) for municipal use. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known occurred October 5, 1911. An indirect determination of peak flow for flood of September 5, 1970, was run in very close proximity to present site, discharge, 3070 ft^3/s, gage height not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	39	e34	e32	e21	e20	e27	132	456	95	33	57
2	68	38	e34	e30	e21	e20	e26	174	385	93	33	62
3	65	37	e34	e29	e21	e20	e26	235	375	87	35	54
4	63	37	e32	e36	e21	e20	e28	287	363	81	33	48
5	62	36	e29	e34	e20	e21	e32	331	313	76	32	46
6	62	36	e30	e48	e20	e22	e37	323	304	73	31	65
7	62	36	e32	e45	e20	e23	e44	289	325	69	30	65
8	61	35	e33	e36	e21	e24	e53	297	297	66	29	69
9	58	35	e31	e29	e22	e24	e60	219	329	79	29	77
10	55	35	e30	e30	e21	e24	e68	208	251	75	30	62
11	53	34	e32	e30	e20	e24	e76	229	237	68	29	54
12	52	34	e29	e31	e20	e23	e67	203	225	65	29	49
13	50	34	e27	e32	e20	e24	e72	169	217	60	30	45
14	49	34	e29	e30	e21	e24	81	152	222	67	32	41
15	48	33	e32	e28	e20	e24	64	146	221	73	34	38
16	47	33	e34	e22	e20	e25	56	171	197	94	33	37
17	43	33	e37	e22	e21	e24	68	175	165	84	34	35
18	44	32	e38	e22	e22	e24	79	140	147	70	47	38
19	44	32	e34	e22	e20	e25	63	129	158	61	83	35
20	44	33	e31	e22	e20	e25	62	142	150	54	55	33
21	43	e34	e33	e21	e21	e24	77	202	141	49	48	33
22	42	e36	e36	e20	e22	e24	78	318	129	46	48	47
23	42	e37	e34	e19	e22	e24	75	499	129	44	42	41
24	41	e38	e35	e19	e22	e25	90	610	121	42	40	41
25	41	e38	e36	e21	e22	e25	107	493	118	41	48	39
26	40	e38	e35	e22	e20	e26	133	322	119	42	63	37
27	40	e38	e34	e22	e19	e27	176	312	115	40	54	36
28	39	e37	e35	e21	e19	e28	192	484	109	38	77	36
29	40	e36	e37	e18	e20	e28	170	653	106	36	61	41
30	38	e36	e48	e17	---	e28	136	633	100	35	75	44
31	39	---	e58	e19	---	e27	---	571	---	34	65	---
TOTAL	1546	1064	1063	829	599	746	2323	9248	6524	1937	1342	1405
MEAN	49.9	35.5	34.3	26.7	20.7	24.1	77.4	298	217	62.5	43.3	46.8
MAX	71	39	58	48	22	28	192	653	456	95	83	77
MIN	38	32	27	17	19	20	26	129	100	34	29	33
AC-FT	3070	2110	2110	1640	1190	1480	4610	18340	12940	3840	2660	2790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	51.8	34.0	26.1	21.6	20.6	25.4	52.5	238	428	255	127	80.6
MAX	96.4	46.9	34.3	27.1	29.5	36.1	77.4	337	635	540	260	147
(WY)	1998	1998	2000	1995	1995	1995	2000	1996	1997	1995	1999	1999
MIN	28.3	24.7	18.3	13.4	14.7	18.4	35.4	96.5	217	62.5	43.3	46.8
(WY)	1992	1992	1992	1992	1992	1992	1998	1995	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1992 - 2000	
ANNUAL TOTAL	54021		28626			
ANNUAL MEAN	148		78.2		114	
HIGHEST ANNUAL MEAN					147	1999
LOWEST ANNUAL MEAN					78.2	2000
HIGHEST DAILY MEAN	819	Jun 28	653	May 29	964	Jun 4 1997
LOWEST DAILY MEAN	e12	Jan 25	e17	Jan 30	e12	Jan 2 1992
ANNUAL SEVEN-DAY MINIMUM	15	Mar 6	20	Jan 28	13	Jan 12 1992
INSTANTANEOUS PEAK FLOW			979	May 29	1670	Jun 15 1995
INSTANTANEOUS PEAK STAGE			2.95	May 29	3.41	Jun 15 1995
ANNUAL RUNOFF (AC-FT)	107200		56780		82400	
10 PERCENT EXCEEDS	408		198		319	
50 PERCENT EXCEEDS	47		38		42	
90 PERCENT EXCEEDS	19		21		20	

e Estimated.

09359020 ANIMAS RIVER BELOW SILVERTON, CO

LOCATION.--Lat 37°47'25", long 107°40'01", in $SW^1/_4SW^1/_4$ sec.20, T.41 N., R.7 W., San Juan County, Hydrologic Unit 14080104, on right bank 500 ft upstream from Durango-Silverton Railroad crossing Animas River, 0.7 mi downstream from Mineral Creek, and 1.1 mi south of Silverton.

DRAINAGE AREA.--146 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1991 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 9,200 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural regulation by many lakes upstream from station. Diversions from Animas River and Mineral Creek drainages through Red Mountain, Carbon Lake and Mineral Point ditches amount to 600 to 1100 acre-feet per year. City of Silverton diverts some water for municipal use from Bear Creek and Boulder Creek, both tributaries upstream.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known occurred October 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	110	70	61	e45	e42	56	390	1270	272	105	149
2	190	107	71	60	e45	e42	56	481	970	268	105	160
3	183	104	70	e60	e45	e40	56	655	986	248	109	147
4	174	102	e70	e78	e44	e40	59	735	1040	229	108	137
5	169	101	e62	e70	e42	e42	72	806	888	211	103	135
6	168	100	e64	e105	e42	e44	90	732	881	201	99	176
7	166	99	e68	e98	e42	48	104	642	910	194	96	170
7	166	99	e68	e98	e42	48	104	642	910	194	96	170
8	163	99	70	e75	e42	47	124	692	879	186	95	181
9	156	99	e65	e60	45	48	153	549	936	209	95	187
10	149	95	e64	e64	e42	48	169	488	823	193	96	162
11	143	94	70	e62	e40	e48	148	558	795	182	96	150
12	137	92	e62	63	e40	46	155	491	765	182	98	142
13	136	91	e57	e68	e42	47	196	396	717	172	103	134
14	142	90	e60	e65	43	49	212	386	722	175	104	128
15	140	89	e65	e60	e42	47	183	362	715	181	108	124
16	139	87	e74	45	e42	50	164	399	659	220	106	119
17	136	88	e80	45	e42	48	204	406	546	214	107	116
18	137	89	e80	45	45	49	233	356	484	181	134	121
19	139	86	e66	44	e42	e50	190	329	513	158	185	114
20	132	86	e66	45	e40	49	191	350	475	149	146	108
21	132	85	e70	45	e42	e48	235	458	437	141	140	109
22	130	83	e78	45	45	49	243	704	392	135	151	142
23	128	e81	e72	e38	e45	49	240	1220	387	129	142	127
24	125	80	e74	e40	45	51	277	1760	357	126	142	126
25	122	e80	e78	e45	e46	53	321	1390	346	127	150	120
26	119	84	e74	46	e40	54	385	850	347	133	160	115
27	119	82	e70	46	e38	58	493	888	343	127	152	113
28	117	77	e74	e42	e40	61	549	1290	324	119	180	112
29	118	76	71	e38	e42	59	504	1850	306	113	152	124
30	110	74	106	e34	---	59	422	1810	290	111	177	127
31	109	---	143	e38	---	58	---	1580	---	109	157	---
TOTAL	4427	2710	2264	1730	1235	1523	6484	24003	19503	5395	3901	4075
MEAN	143	90.3	73.0	55.8	42.6	49.1	216	774	650	174	126	136
MAX	199	110	143	105	46	61	549	1850	1270	272	185	187
MIN	109	74	57	34	38	40	56	329	290	109	95	108
AC-FT	8780	5380	4490	3430	2450	3020	12860	47610	38680	10700	7740	8080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	141	94.3	71.1	62.6	59.6	72.5	160	673	1162	583	279	198
MAX	270	136	92.9	79.8	85.6	105	216	1002	1647	1393	520	336
(WY)	1998	1998	1998	1998	1995	1995	2000	1996	1997	1995	1995	1999
MIN	82.0	70.9	52.5	40.2	42.6	49.1	122	301	650	174	116	129
(WY)	1992	1992	1992	1992	2000	2000	1993	1995	2000	2000	1996	1996

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1992 - 2000	
ANNUAL TOTAL	124991		77250			
ANNUAL MEAN	342		211		297	
HIGHEST ANNUAL MEAN					395	1997
LOWEST ANNUAL MEAN					211	2000
HIGHEST DAILY MEAN	2030	Jun 27	1850	May 29	2350	Jul 10 1995
LOWEST DAILY MEAN	e36	Jan 25	e34	Jan 30	e34	Jan 30 2000
ANNUAL SEVEN-DAY MINIMUM	41	Mar 8	41	Feb 26	39	Jan 18 1992
INSTANTANEOUS PEAK FLOW			2710	May 29	2970	Jul 9 1995
INSTANTANEOUS PEAK STAGE			4.20	May 29	a4.89	Jul 9 1995
ANNUAL RUNOFF (AC-FT)	247900		153200		215000	
10 PERCENT EXCEEDS	931		523		823	
50 PERCENT EXCEEDS	134		113		118	
90 PERCENT EXCEEDS	54		45		57	

e Estimated.
a Maximum gage height, 4.90 ft, Jun 1, 1997.

09359020 ANIMAS RIVER BELOW SILVERTON, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1993 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	ACIDITY (MG/L AS CACO3) (00435)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV										
30...	1145	75	540	6.4	1.2	11.6	260	23	93.2	5.69
APR										
13...	1100	166	373	6.4	3.2	9.9	160	--	58.3	3.97
MAY										
24...	0800	1570	116	7.0	2.9	10.0	49	--	17.3	1.31
AUG										
09...	1045	94	473	6.6	10.2	8.2	210	6.0	77.7	4.82

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
NOV									
30...	3.4	.1	.9	7	6	260	1.2	.8	15.7
APR									
13...	2.8	.1	.8	10	8	160	1.5	.5	12.4
MAY									
24...	.9	.1	.6	15	12	35.5	.3	.2	4.9
AUG									
09...	2.8	.1	.8	10	8	212	.8	.7	13.5

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
NOV									
30...	412	389	.56	83.3	2590	213	1.9	E18	8
APR									
13...	272	249	.37	122	1780	65	3.6	43	18
MAY									
24...	78	69	.11	331	1940	31	.8	45	6
AUG									
09...	355	320	.48	90.5	2190	28	1.2	E14	4

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
NOV									
30...	3700	2310	<1	1330	1290	<.2	<2.4	<1	491
APR									
13...	3750	1630	<1	1310	1310	<.2	<2.4	<1	690
MAY									
24...	6080	100	<1	689	201	<.2	<2.4	<1	188
AUG									
09...	2590	1130	<1	1040	985	<.2	<2.4	<1	373

09359020 ANIMAS RIVER BELOW SILVERTON, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
13...	1115	130	427	4.7
APR				
24...	1520	271	324	10.4
JUL				
19...	1300	163	360	14.6

09361500 ANIMAS RIVER AT DURANGO, CO

LOCATION.--Lat 37°16'45", long 107°52'47", in $SW^1/_4SW^1/_4$ sec.20, T.35 N., R.9 W., La Plata County, Hydrologic Unit 14080104, on left bank at abandoned power plant at Durango, 0.8 mi upstream from Lightner Creek.

DRAINAGE AREA.--692 mi^2.

PERIOD OF RECORD.--June to December 1895, April 1896 to December 1898, April 1899 to December 1900, March to May 1901, April to November 1902, March to April 1903 (gage heights only, erroneously stated as discredited in WSP 1563), May to October 1903, July 1904 to December 1905, January to December 1910 (gage heights only), January to September 1911, January 1912 to current year. Monthly or yearly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 764: Drainage area. WSP 929: 1927(M). WSP 1243: 1911, 1918(M). WSP 1563: 1911-25 (monthly figures only).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,501.57 ft above sea level. See WSP 1713 or 1733 for history of changes prior to Mar. 2, 1921.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 4,000 acres upstream from station. Natural regulation by many lakes and regulation for power upstream from station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1885, that of Oct. 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	536	250	201	197	183	169	384	1550	2560	531	230	378
2	514	259	204	181	180	171	341	1670	2220	491	230	363
3	473	253	205	173	185	169	325	2200	1950	474	224	364
4	457	245	202	229	184	171	369	2650	1860	458	222	336
5	459	242	184	191	186	169	459	3020	1730	416	220	327
6	453	242	178	298	162	182	602	3130	1550	409	198	331
7	455	233	193	278	e165	202	682	2730	1580	385	185	411
8	453	229	197	193	e175	197	767	2880	1540	374	193	403
9	443	238	190	176	e180	211	789	2520	1660	364	189	431
10	406	234	179	172	e175	214	928	2080	1490	371	188	395
11	392	230	198	199	e165	202	919	2260	1280	366	187	358
12	396	231	170	193	e170	181	810	2150	1210	354	188	343
13	381	227	155	192	e170	181	883	1710	1120	348	200	324
14	362	216	171	187	e175	201	1040	1460	1120	345	211	301
15	352	208	169	183	e175	221	994	1300	1050	366	226	288
16	346	215	206	187	e180	229	811	1350	1030	350	234	277
17	335	212	208	169	e185	229	779	1520	902	383	247	251
18	319	217	218	194	e190	228	997	1290	785	402	285	253
19	323	212	180	198	180	207	975	1110	794	363	388	290
20	322	201	175	190	155	218	834	1010	791	331	408	272
21	318	199	187	189	157	258	918	1150	738	314	344	263
22	318	200	210	188	186	251	983	1650	681	295	333	278
23	315	200	192	162	189	250	907	2510	653	267	335	321
24	297	195	191	154	183	249	994	3460	703	258	321	292
25	294	193	207	187	186	266	1170	3420	649	271	312	287
26	287	203	184	200	175	268	1320	2370	620	270	317	288
27	278	219	186	192	154	291	1720	1920	622	281	319	276
28	277	208	204	187	158	370	2160	2170	623	274	327	274
29	274	203	204	166	173	392	2130	2960	584	260	353	272
30	272	203	203	134	---	376	1740	3120	558	238	361	286
31	253	---	192	137	---	394	---	2920	---	228	413	---
TOTAL	11360	6617	5943	5876	5081	7317	28730	67240	34653	10837	8388	9533
MEAN	366	221	192	190	175	236	958	2169	1155	350	271	318
MAX	536	259	218	298	190	394	2160	3460	2560	531	413	431
MIN	253	193	155	134	154	169	325	1010	558	228	185	251
AC-FT	22530	13120	11790	11660	10080	14510	56990	133400	68730	21500	16640	18910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1898 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	413	287	223	203	206	298	840	2303	2878	1216	595	467
MAX	1866	814	412	326	352	844	1818	4791	5846	3057	1806	1709
(WY)	1942	1942	1942	1973	1920	1916	1985	1920	1917	1995	1999	1970
MIN	162	158	129	103	110	133	246	474	395	211	179	161
(WY)	1957	1935	1990	1933	1933	1990	1977	1977	1934	1934	1900	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1898 - 2000	
ANNUAL TOTAL	382287		201575			
ANNUAL MEAN	1047		551		826	
HIGHEST ANNUAL MEAN					1366	1917
LOWEST ANNUAL MEAN					302	1977
HIGHEST DAILY MEAN	4210	Jun 18	3460	May 24	10700	Jun 19 1949
LOWEST DAILY MEAN	155	Dec 13	134	Jan 30	94	Mar 2 1913
ANNUAL SEVEN-DAY MINIMUM	176	Dec 9	166	Feb 27	100	Dec 19 1917
INSTANTANEOUS PEAK FLOW			3960	May 24	a25000	Oct 5 1911
INSTANTANEOUS PEAK STAGE			5.57	May 24	11.00	Oct 5 1911
ANNUAL RUNOFF (AC-FT)	758300		399800		598700	
10 PERCENT EXCEEDS	2900		1530		2240	
50 PERCENT EXCEEDS	457		278		344	
90 PERCENT EXCEEDS	202		180		180	

e Estimated.
a Present site and datum, from rating extended above 13000 ft^3/s.

09362550 WILSON GULCH NEAR DURANGO, CO

LOCATION.--Lat 37°14'36", long 107°50'33", in $NE^1/_4NW^1/_4$ sec.10, T.34 N., R.9 W., La Plata County, Hydrologic Unit 14080104, on right bank 0.4 mi upstream from intersection of U.S. Highways 160 and 550, 0.9 mi upstream from mouth, and 4.5 mi southeast of Durango.

DRAINAGE AREA.--6.5 mi^2.

PERIOD OF RECORD.--June 1995 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,580 ft above sea level, from topographic map.

REMARKS.--Records poor. Florida Farmers Ditch diverts some project water from Florida River drainage to headwaters of Wilson Gulch for irrigation of several acres upstream in Artesian Valley. No diversions upstream from gage for irrigation downstream. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	e.80	.77	.64	e.71	.72	1.9	.46	.91	1.2	.90	.93
2	1.1	e.79	.82	.67	e.69	.71	2.2	.49	.98	1.2	1.1	.92
3	1.2	e.79	.82	.66	e.69	.69	1.7	.49	1.2	1.2	.96	.76
4	1.2	e.78	.93	.60	.69	.69	.89	.50	1.2	1.2	.93	.70
5	1.3	e.77	.84	.49	.69	.73	.73	.48	1.2	1.0	.76	.65
6	1.4	e.76	.77	.46	.71	.78	.65	.48	1.4	1.0	.76	.53
7	1.4	e.76	.81	.46	.71	.99	.67	.44	1.2	.95	e.75	.53
8	1.3	e.73	.85	.47	.71	.82	.70	.48	1.2	1.2	e.75	.41
9	1.3	e.70	.76	.50	.73	.85	.67	.46	1.3	1.2	e.75	.31
10	1.5	e.71	.72	.50	.72	.81	.63	.50	1.4	1.2	e.75	e.25
11	1.6	e.72	.70	.50	.72	.80	.65	.51	1.4	1.2	e.75	e.24
12	1.6	e.73	.67	.50	.75	.81	.63	.55	1.1	1.0	e.75	e.23
13	1.6	e.74	.67	.51	.72	.81	.62	.70	1.2	1.2	e.75	e.22
14	1.6	e.74	.67	.55	.73	.81	.61	.74	1.3	1.3	e.75	e.23
15	1.5	e.74	.65	.59	.75	.81	.65	.88	1.2	1.6	e.75	e.25
16	1.3	e.74	.65	.63	.74	.78	.61	.85	1.2	1.7	e.74	e.27
17	.87	e.74	.66	.63	.76	.77	.59	.76	1.2	1.6	e.75	e.30
18	.87	e.74	.67	.66	.74	.77	.58	1.2	1.1	1.3	e.77	e2.0
19	.83	e.76	.67	.64	.73	.77	.58	1.4	1.0	1.2	e.92	.83
20	.85	e.76	.64	.63	.74	.81	.58	.86	1.2	1.1	e.77	.38
21	.81	.76	.63	.63	.73	.95	.58	.82	1.2	.82	e.83	.18
22	.84	.77	.61	.63	.73	1.5	.57	.79	.97	.70	e.88	e.16
23	.89	.78	.60	.61	.72	1.4	.56	.80	.88	.61	e.75	e.15
24	.86	.77	.61	.63	.72	1.1	.56	.86	.86	.68	.83	e.14
25	e.86	.75	.63	.63	.71	.84	.55	.79	1.0	.85	.91	e.10
26	e.86	.77	.63	.76	.69	.73	.55	.88	1.1	1.2	1.1	.11
27	e.86	.77	.63	.82	.69	.76	.60	.97	1.8	1.4	.89	e.10
28	e.86	.76	.63	e.76	.72	.76	.54	.92	1.5	1.2	.98	e.10
29	e.82	.76	.63	e.71	.70	.70	.46	.88	1.3	.89	.92	e.10
30	e.80	.74	.63	e.73	---	.75	.50	1.0	1.4	.76	1.5	e.09
31	e.80	---	.61	e.73	---	.86	---	.92	---	.81	1.1	---
TOTAL	34.78	22.63	21.58	18.93	20.84	26.08	22.31	22.86	35.90	34.47	26.80	12.17
MEAN	1.12	.75	.70	.61	.72	.84	.74	.74	1.20	1.11	.86	.41
MAX	1.6	.80	.93	.82	.76	1.5	2.2	1.4	1.8	1.7	1.5	2.0
MIN	.80	.70	.60	.46	.69	.69	.46	.44	.86	.61	.74	.09
AC-FT	69	45	43	38	41	52	44	45	71	68	53	24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1.40	1.09	.90	.83	.90	1.20	.76	1.04	1.56	1.65	1.57	1.24
MAX	1.85	1.53	1.45	1.38	1.30	2.43	1.03	1.92	2.98	3.23	2.82	2.40
(WY)	1998	1996	1996	1996	1996	1997	1997	1997	1997	1997	1999	1997
MIN	.77	.75	.54	.56	.72	.69	.35	.56	1.00	.84	.81	.41
(WY)	1997	2000	1999	1999	2000	1999	1999	1999	1996	1996	1996	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	371.92		299.35			
ANNUAL MEAN	1.02		.82		1.17	
HIGHEST ANNUAL MEAN					1.60	1997
LOWEST ANNUAL MEAN					.82	2000
HIGHEST DAILY MEAN	11	Aug 6	2.2	Apr 2	14	Sep 21 1997
LOWEST DAILY MEAN	.07	Apr 12	e.09	Sep 30	.07	Apr 12 1999
ANNUAL SEVEN-DAY MINIMUM	.12	Apr 7	.11	Sep 24	.11	Sep 24 2000
INSTANTANEOUS PEAK FLOW			4.4	Dec 2	34	Aug 6 1999
INSTANTANEOUS PEAK STAGE			2.25	Dec 2	3.86	Aug 6 1999
ANNUAL RUNOFF (AC-FT)	738		594		849	
10 PERCENT EXCEEDS	1.5		1.2		1.9	
50 PERCENT EXCEEDS	.77		.76		.95	
90 PERCENT EXCEEDS	.52		.50		.58	

e Estimated.

09362800 LEMON RESERVOIR NEAR DURANGO, CO

LOCATION.--Lat 37°22'57", long 107°39'44", in $SE^1/_4SW^1/_4$ sec.17, T.36 N., R.7 W., LaPlata County, Hydrologic Unit 14080104, in gatehouse at Lemon Dam on Florida River, 2.3 mi upstream from True Creek, and 15 mi northeast of Durango.

DRAINAGE AREA.--68.3 mi^2.

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,948.00 ft above sea level, (levels by U.S. Bureau of Reclamation); gage readings have been reduced to elevations above sea level.

REMARKS.--Reservoir is formed by an earthfill dam. Dam was completed in 1963. Capacity, 40,100 acre-ft, between elevations 7,948.00 ft, sill of outlet gate, and 8,148.00 ft, normal reservoir water surface elevation. Dead storage below elevation 8,005.00 ft, 354 acre-ft. Figures given are total contents.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily mean contents, 40,180 acre-ft, July 3-4, 1997, elevation, 8,148.06 ft; minimum daily mean contents, 5,320 acre-ft, Sept. 13, 1996, elevation, 8,057.55 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily mean contents, 39,910 acre-ft, May 29, daily mean elevation, 8,147.63 ft; minimum daily mean contents, 8,080 acre-ft, Sept. 30, daily mean elevation, 8,071.95 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	8,136.76	33,460	-
Oct. 31	8,132.70	31,180	-2,280
Nov. 30	8,132.93	31,310	+130
Dec. 31	8,131.65	30,600	-710
CAL YR 1999	-	-	+13,590
Jan. 31	8,131.50	30,520	-80
Feb. 29	8,131.60	30,580	+60
Mar. 31	8,132.39	31,010	+430
Apr. 30	8,140.29	35,500	+4,490
May 31	8,147.51	39,840	+4,340
June 30	8,133.13	31,420	-8,420
July 31	8,108.78	19,510	-11,910
Aug. 31	8,085.45	11,430	-8,080
Sept. 30	8,071.73	8,040	-3,390
WTR YR 2000	-	-	-25,420

09365500 LA PLATA RIVER AT HESPERUS, CO

LOCATION.--Lat 37°17'23", long 108°02'24", in NE$^1/_4$SW$^1/_4$ sec.14, T.35 N., R.11 W., La Plata County, Hydrologic Unit 14080105, on right bank at Hesperus, 700 ft downstream from U.S. Highway 160.

DRAINAGE AREA.--37 mi^2, approximately.

PERIOD OF RECORD.--June to August 1904, May 1905 to September 1906, August to November 1910, June 1917 to current year. Monthly discharge only for some periods, published in WSP 1313. Records for Nov. 11 to Dec. 31, 1910, published in WSP 289, have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1243: 1906(M). WSP 1563: 1923 (monthly figures only). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,104.71 ft above sea level. Prior to May 1, 1920, nonrecording gage, and May 1, 1920 to May 24, 1927, water-stage recorder, at several sites about 600 ft downstream at different datums. May 25, 1927 to Sept. 30, 1938, water-stage recorder at site 60 ft downstream and Oct. 1, 1938 to Sept. 30, 1941, at present site at datum 1.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Cherry Creek ditch exports water upstream from station for irrigation of about 2,000 acres in Cherry Creek drainage. The Pine Ridge ditch diverts water upstream from station for irrigation of about 300 acres downstream, and also for irrigation of about 300 acres in each of the Lightner and Basin Creek drainages. The Pine River ditch also diverts up to 1,000 acre-ft for storage in the Lightner Creek drainage.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood observed occurred Oct. 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	7.8	6.7	e5.5	e4.5	5.2	21	133	106	20	6.8	12
2	17	7.6	7.2	e5.5	e5.0	5.3	20	152	93	18	6.8	12
3	17	7.6	7.2	e5.0	e5.5	e5.0	21	179	87	17	6.7	12
4	16	7.6	e6.5	e4.0	e5.0	5.9	24	186	74	15	6.5	11
5	15	7.6	e6.0	e5.0	e5.0	6.2	32	201	57	14	6.2	12
6	15	7.6	e6.0	e4.5	e5.0	6.1	47	182	53	14	5.9	12
7	15	7.6	e6.0	e4.5	e5.0	6.4	65	161	45	13	5.9	11
8	15	7.6	e5.5	e5.0	e5.0	e6.0	88	172	33	13	5.6	11
9	14	7.6	e5.5	e5.0	5.2	e6.0	103	138	39	13	5.4	11
10	14	7.6	5.6	e5.0	5.2	e6.0	126	131	30	12	5.7	11
11	13	7.6	e6.0	e5.0	5.2	e5.5	113	160	24	11	5.7	10
12	12	7.6	e6.0	e5.0	e5.0	6.4	92	145	21	10	5.7	10
13	12	7.6	e6.0	e4.5	e5.0	e7.0	99	116	19	10	6.5	9.7
14	12	7.6	e5.5	e4.5	5.2	e7.0	115	94	22	11	6.1	8.8
15	12	7.6	e6.0	e4.4	e5.0	7.2	100	79	26	11	5.7	8.4
16	11	7.6	e6.0	4.4	e5.0	e7.0	80	87	26	11	6.2	8.0
17	11	7.5	e6.5	4.4	e5.5	7.4	73	94	33	11	6.9	7.3
18	10	7.6	e6.0	4.9	5.4	e7.0	85	74	29	11	8.7	7.2
19	10	7.3	e6.0	4.3	e5.0	e7.0	79	59	30	10	17	6.9
20	9.6	7.2	e6.0	3.8	e5.0	8.2	70	47	26	10	19	6.5
21	9.6	7.2	e5.5	4.4	5.2	9.9	80	61	25	9.4	18	6.4
22	9.6	7.2	e5.0	4.5	5.0	9.0	78	100	23	8.8	17	6.3
23	9.6	e7.0	e5.5	e4.5	e5.0	e9.5	72	146	22	8.3	18	6.3
24	9.6	e7.0	e5.5	4.7	4.9	11	82	179	22	8.1	17	6.4
25	9.3	e7.0	e5.5	4.6	e5.0	13	104	171	22	8.0	16	6.2
26	9.3	6.8	5.6	5.0	e5.0	15	131	127	20	7.8	14	5.7
27	8.9	6.8	e5.5	e4.5	e5.0	17	160	116	20	7.3	14	5.8
28	9.0	6.8	e5.5	e4.0	5.2	20	192	127	19	7.0	14	5.6
29	8.9	6.8	e6.0	e4.0	e5.0	21	177	143	18	6.7	13	5.7
30	8.3	6.8	e6.0	e4.0	---	22	152	141	19	6.9	14	5.6
31	8.0	---	e6.0	e4.5	---	21	---	123	---	7.3	13	---
TOTAL	368.7	220.8	183.8	142.9	147.0	296.2	2681	4024	1083	340.6	317.0	257.8
MEAN	11.9	7.36	5.93	4.61	5.07	9.55	89.4	130	36.1	11.0	10.2	8.59
MAX	18	7.8	7.2	5.5	5.5	22	192	201	106	20	19	12
MIN	8.0	6.8	5.0	3.8	4.5	5.0	20	47	18	6.7	5.4	5.6
AC-FT	731	438	365	283	292	588	5320	7980	2150	676	629	511

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	15.3	10.7	8.25	6.99	7.41	15.7	82.0	171	133	38.2	24.1	20.4
MAX	148	54.3	20.4	15.0	18.0	54.2	203	384	421	154	79.1	124
(WY)	1942	1942	1987	1926	1971	1997	1924	1941	1980	1957	1999	1927
MIN	3.27	3.11	2.94	2.65	3.06	3.83	8.40	19.8	15.6	8.80	6.58	3.73
(WY)	1957	1938	1938	1938	1990	1977	1977	1977	1934	1939	1939	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1918 - 2000	
ANNUAL TOTAL	15657.0		10062.8			
ANNUAL MEAN	42.9		27.5		44.5	
HIGHEST ANNUAL MEAN					90.5	1941
LOWEST ANNUAL MEAN					9.94	1977
HIGHEST DAILY MEAN	224	May 23	201	May 5	934	Jun 28 1927
LOWEST DAILY MEAN	3.9	Jan 18	3.8	Jan 20	1.0	Feb 22 1939
ANNUAL SEVEN-DAY MINIMUM	4.0	Jan 14	4.4	Jan 26	1.9	Oct 13 1917
INSTANTANEOUS PEAK FLOW			224	Apr 27	a1880	Sep 22 1941
INSTANTANEOUS PEAK STAGE			b3.37	Apr 27	c4.30	Sep 22 1941
ANNUAL RUNOFF (AC-FT)	31060		19960		32240	
10 PERCENT EXCEEDS	116		96		127	
50 PERCENT EXCEEDS	20		8.3		13	
90 PERCENT EXCEEDS	5.5		5.0		5.2	

e Estimated.
a Present datum, from rating curve extended above 620 ft^3/s, on basis of slope-area measurement of peak flow.
b Maximum gage height, 3.46 ft, Jan 9, backwater from ice.
c Maximum gage height, for period of record, 5.13 ft, Sep 6, 1970.

09366500 LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE

LOCATION.--Lat 36°59'59", long 108°11'17", in NW$^{1}/_{4}$SE$^{1}/_{4}$ sec.10, T.32 N., R.13 W., La Plata County, CO, Hydrologic Unit 14080105, on right bank at Colorado-New Mexico State line, 0.5 mi downstream from Johnny Pond Arroyo, and 4.9 mi north of La Plata, NM.

DRAINAGE AREA.--331 mi^{2}.

PERIOD OF RECORD.--January 1920 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1313: 1934 (M), 1936 (M).

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,972.03 ft above sea level. See WSP 1713 or 1733 for history of changes prior to Mar. 17, 1934. Mar. 17, 1934 to July 1, 1996, water-stage recorder at same site, and at datum 3.12 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 15,000 acres, mostly upstream from station.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	7.8	11	e12	15	16	69	39	76	4.0	4.0	5.1
2	8.7	7.7	11	e10	15	16	69	45	62	6.3	3.9	5.0
3	8.6	7.7	11	e10	14	16	69	60	63	4.4	3.4	4.7
4	8.2	7.8	e10	e8.0	14	16	83	74	62	3.7	3.2	5.1
5	8.2	7.8	e9.0	e9.0	14	19	93	56	43	3.4	3.0	4.5
6	8.2	7.8	e10	e10	14	19	101	48	37	3.4	2.6	4.5
7	8.2	7.7	e10	e10	13	24	117	62	31	3.2	2.4	4.5
8	8.5	7.3	e10	e10	13	23	141	109	24	3.5	3.0	4.5
9	8.6	7.2	e9.0	e10	15	22	157	96	32	4.4	3.1	4.6
10	8.6	7.3	e10	e10	15	20	179	60	32	3.8	3.3	4.0
11	8.1	7.4	e10	e12	15	19	140	68	22	3.5	3.0	3.8
12	7.9	7.3	e9.0	e12	16	19	107	60	17	2.8	3.1	3.5
13	7.9	7.3	e10	e13	16	19	98	56	12	3.7	4.5	3.4
14	7.8	7.3	e10	e13	15	21	100	73	11	4.2	4.1	3.4
15	8.5	7.2	e8.0	e14	15	28	89	54	10	4.5	3.9	3.3
16	8.9	7.5	e10	14	15	26	67	36	10	4.0	3.8	3.3
17	9.0	7.8	e12	15	16	25	53	33	9.4	3.8	3.7	3.2
18	9.3	7.5	e11	15	16	24	54	36	11	2.8	3.5	3.4
19	9.5	7.0	e12	15	15	22	55	53	9.9	2.2	4.6	4.3
20	9.6	7.0	e12	15	15	25	48	42	10	1.9	4.4	4.1
21	9.5	7.3	e11	15	15	31	46	33	8.1	1.9	4.4	4.0
22	9.1	7.7	e11	15	15	34	47	39	7.4	1.7	4.1	4.1
23	8.7	e9.0	e12	15	16	40	43	57	7.1	2.0	3.9	4.4
24	8.5	e10	e12	14	15	60	40	84	8.5	2.9	3.8	4.6
25	7.7	e10	e12	15	15	58	40	83	8.7	4.8	3.7	4.7
26	7.5	e10	e14	18	15	51	53	52	7.7	4.0	3.9	4.7
27	7.5	e10	e12	17	15	51	77	86	6.8	3.0	3.8	4.6
28	7.3	11	e12	15	16	61	95	79	8.6	3.6	3.9	4.5
29	7.5	11	e12	e14	16	57	69	73	8.2	3.4	4.0	4.5
30	7.3	11	e12	e14	---	56	48	70	6.4	3.6	6.8	4.5
31	7.6	---	e12	14	---	69	---	74	---	4.4	6.8	---
TOTAL	259.6	246.4	337.0	403.0	434	987	2447	1890	661.8	108.8	119.6	126.8
MEAN	8.37	8.21	10.9	13.0	15.0	31.8	81.6	61.0	22.1	3.51	3.86	4.23
MAX	9.6	11	14	18	16	69	179	109	76	6.3	6.8	5.1
MIN	7.3	7.0	8.0	8.0	13	16	40	33	6.4	1.7	2.4	3.2
AC-FT	515	489	668	799	861	1960	4850	3750	1310	216	237	252

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	13.7	12.1	12.3	12.0	17.1	37.5	106	109	67.0	20.2	12.3	11.4
MAX	260	99.2	53.9	38.3	53.9	139	364	506	306	99.4	65.1	126
(WY)	1942	1942	1987	1942	1924	1997	1980	1941	1957	1957	1957	1927
MIN	.097	.98	1.24	.80	2.96	.63	3.06	5.32	1.94	.019	.006	.000
(WY)	1935	1940	1978	1930	1977	1977	1977	1977	1924	1922	1922	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1921 - 2000	
ANNUAL TOTAL	9578.1		8021.0			
ANNUAL MEAN	26.2		21.9		35.8	
HIGHEST ANNUAL MEAN					109	1973
LOWEST ANNUAL MEAN					4.44	1977
HIGHEST DAILY MEAN	123	Aug 4	179	Apr 10	1120	May 4 1941
LOWEST DAILY MEAN	7.0	Nov 19	1.7	Jul 22	a.00	Jul 3 1922
ANNUAL SEVEN-DAY MINIMUM	7.3	Nov 9	2.2	Jul 18	.00	Jul 3 1922
INSTANTANEOUS PEAK FLOW			203	Apr 10	b4750	Aug 24 1927
INSTANTANEOUS PEAK STAGE			c4.40	Apr 10	11.36	Aug 24 1927
ANNUAL RUNOFF (AC-FT)	19000		15910		25970	
10 PERCENT EXCEEDS	69		62		85	
50 PERCENT EXCEEDS	14		10		13	
90 PERCENT EXCEEDS	8.1		3.7		1.8	

e Estimated.
a No flow at times in many years.
b From rating curve extended above 750 ft^{3}/s, on basis of slope-area measurement of peak flow, at datum then in use.
c Maximum gage height, 6.35 ft, Jan 5, backwater from ice.

09371000 MANCOS RIVER NEAR TOWAOC, CO

LOCATION.--Lat 37°01'39", long 108°44'27", Ute Indian Reservation, Montezuma County, Hydrologic Unit 14080107, on left bank 700 ft upstream from bridge on U.S. Highway 666, 2.0 mi north of Colorado-New Mexico State line, 6.0 mi upstream from Aztec Creek, and 12 mi south of Towaoc.

DRAINAGE AREA.--526 mi^2.

PERIOD OF RECORD.--October 1920 to September 1943, February 1951 to current year. Monthly discharge only for some periods, published in WSP 1313. Water-quality data available, August 1969 to June 1972, October 1983 to September 1986. Sediment data available, April to December 1961.

REVISED RECORDS.--WSP 1733: 1924 (monthly figures only). WDR CO-83-3: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,055.98 ft above sea level. See WSP 1713 or 1733 for history of changes prior to Mar. 11, 1954.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 10,000 acres upstream from station. One diversion upstream from station for irrigation of about 100 acres downstream from station. Flow regulated by Jackson Gulch Reservoir, capacity, 10,000 acre-ft since March 1949. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	12	e6.8	e6.2	e12	16	68	180	7.2	.00	.00	5.1
2	43	14	e6.8	e6.2	12	16	63	182	4.6	.00	.00	4.9
3	45	11	e6.6	e6.2	e12	e15	50	185	2.4	.00	.00	4.7
4	43	12	e6.2	e6.2	e13	17	39	207	1.2	.00	.00	4.4
5	44	12	6.0	e6.2	e12	19	39	206	.57	.00	.00	3.8
6	50	12	5.3	e6.2	e11	22	60	197	.22	.00	.00	5.0
7	46	12	e5.6	e6.3	e11	24	81	168	.11	.00	.00	5.3
8	57	12	e5.6	e6.6	e12	43	102	150	.00	.00	.00	5.0
9	60	12	e5.6	e6.6	e12	34	113	173	.00	.00	.00	20
10	60	10	e5.6	e7.0	e13	30	127	123	.00	.00	.00	11
11	60	9.6	e5.6	e7.4	e13	26	128	118	.00	.00	.00	7.4
12	57	9.3	e5.7	e8.5	e14	22	107	127	.00	.00	.00	4.8
13	56	9.0	e5.7	e8.2	e14	25	99	108	.00	.00	.00	3.7
14	54	8.7	e5.7	e8.8	e14	26	122	92	.00	.00	.00	4.3
15	55	8.7	5.7	e9.0	14	28	117	81	.00	.00	3.3	3.2
16	45	8.8	e5.7	e9.0	15	26	97	59	.00	.00	.23	2.0
17	24	8.8	e5.6	e11	e17	22	78	37	.00	.00	.00	.13
18	19	8.6	e5.5	e17	e18	20	85	34	.00	.00	.00	.09
19	21	7.3	e5.6	e22	17	17	93	28	.00	.00	9.9	.00
20	21	e7.6	e5.6	e19	16	17	80	28	.00	.00	7.5	.00
21	20	e7.6	e5.4	e16	e16	25	75	21	.00	.00	2.7	.00
22	19	e6.6	e5.6	e14	e16	35	94	15	.00	.00	4.3	.00
23	18	5.5	6.2	11	e15	43	94	9.1	.00	.00	4.0	.00
24	18	4.4	5.9	e11	e15	45	94	6.3	.00	.00	1.9	.00
25	18	4.0	e5.9	e15	e14	40	112	18	.00	.00	1.3	.00
26	18	e8.2	e6.2	e19	13	33	120	39	.00	.00	4.7	.00
27	16	e7.8	e6.8	e24	11	31	140	18	.00	.00	2.7	.00
28	15	e7.2	e6.6	20	e14	37	190	9.3	.00	.00	1.7	.00
29	15	e6.6	e6.6	15	e15	47	202	5.9	.00	.00	2.3	.00
30	14	e6.6	e6.5	13	---	43	169	8.9	.00	.00	3.6	.00
31	13	---	e6.3	11	---	49	---	9.2	---	.00	9.5	---
TOTAL	1087	269.9	184.5	352.6	401	893	3038	2642.7	16.30	0.00	59.63	94.82
MEAN	35.1	9.00	5.95	11.4	13.8	28.8	101	85.2	.54	.000	1.92	3.16
MAX	60	14	6.8	24	18	49	202	207	7.2	.00	9.9	20
MIN	13	4.0	5.3	6.2	11	15	39	5.9	.00	.00	.00	.00
AC-FT	2160	535	366	699	795	1770	6030	5240	32	.00	118	188

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	27.4	19.9	14.5	13.6	25.5	58.6	125	178	85.1	29.6	28.9	26.6
MAX	459	113	45.5	45.6	92.1	198	330	642	395	185	364	137
(WY)	1942	1987	1942	1942	1993	1993	1980	1922	1957	1921	1921	1970
MIN	.11	1.00	.39	.31	7.24	5.26	.15	.000	.000	.000	.000	.000
(WY)	1978	1935	1960	1960	1977	1977	1977	1959	1951	1939	1922	1922

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1921 - 2000	
ANNUAL TOTAL	17054.5		9039.45			
ANNUAL MEAN	46.7		24.7		52.0	
HIGHEST ANNUAL MEAN					138	1973
LOWEST ANNUAL MEAN					4.28	1959
HIGHEST DAILY MEAN	451	Jul 23	207	May 4	3050	Oct 14 1941
LOWEST DAILY MEAN	3.6	Mar 18	a.00	Jun 8	a.00	Jul 12 1922
ANNUAL SEVEN-DAY MINIMUM	4.1	Mar 17	.00	Jun 8	.00	Jul 12 1922
INSTANTANEOUS PEAK FLOW			244	Apr 28	b5300	Oct 14 1941
INSTANTANEOUS PEAK STAGE			2.98	Apr 28	c7.30	Oct 14 1941
ANNUAL RUNOFF (AC-FT)	33830		17930		37640	
10 PERCENT EXCEEDS	134		80		146	
50 PERCENT EXCEEDS	16		8.9		16	
90 PERCENT EXCEEDS	6.2		.00		.10	

e Estimated.
a No flow at times in most years.
b Present site and datum, from rating curve extended above 200 ft^3/s, on basis of slope-area measurement of peak flow.
c Maximum gage height, 8.50 ft, Sep 6, 1970.

09371492 MUD CREEK AT HIGHWAY 32, NEAR CORTEZ, CO

LOCATION.--Lat 37°18'46", long 108°39'38", in $SW^1/_4SW^1/_4$ sec.6, T.35 N., R.16 W., Montezuma County, Hydrologic Unit 14080202, on left bank 1 mi upstream from mouth and 4.5 mi southwest of Cortez.

DRAINAGE AREA.--33.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1981 to September 1986, August 1993 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,765 ft above sea level, from topographic map. Prior to Aug. 25, 1993, gage at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Some small diversions upstream from station for irrigation. Most of flow is from diversion of water from Dolores River through Dolores Project and Montezuma Valley Irrigation Company.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	1.6	.66	e.49	.77	1.1	3.9	1.5	14	13	17	14
2	16	1.6	.67	e.48	.83	1.0	2.2	1.7	14	10	14	17
3	15	1.3	.69	e.47	.82	1.0	1.6	1.5	14	11	13	14
4	14	1.5	.55	e.47	.82	1.0	1.3	1.9	15	9.2	13	13
5	14	1.1	.45	e.47	.78	1.3	1.3	4.1	13	9.1	12	12
6	13	1.1	e.45	e.48	.79	1.7	1.3	3.5	14	12	11	13
7	14	1.1	e.45	e.49	.72	2.9	1.2	5.0	15	13	11	14
8	16	1.2	e.45	e.50	.70	2.4	1.1	9.4	17	13	12	13
9	16	.67	e.45	e.54	.88	2.1	1.1	13	18	20	12	18
10	13	.51	e.45	e.59	1.1	1.7	1.1	12	17	15	12	15
11	12	.51	e.44	e.60	1.1	1.3	1.1	11	16	11	12	13
12	11	.64	e.43	e.60	1.3	1.3	1.0	13	16	8.6	11	11
13	11	.63	e.43	e.62	2.1	1.2	1.1	17	15	8.5	16	11
14	12	.67	e.43	.62	1.4	1.2	1.1	19	14	9.5	18	12
15	12	.49	e.42	.65	1.2	1.2	1.1	14	12	9.7	16	11
16	12	.49	e.42	.82	1.0	1.2	1.1	14	13	13	18	11
17	10	.52	e.42	1.0	1.5	1.1	1.0	13	12	16	19	11
18	10	.54	e.41	1.3	2.0	1.1	.98	18	13	15	17	12
19	11	.45	e.41	1.1	1.8	1.0	.92	19	17	11	18	13
20	11	.47	e.40	.86	1.3	1.4	.90	18	16	10	19	11
21	10	.54	e.41	.85	1.1	1.6	.96	15	13	12	18	10
22	9.5	.58	e.42	.82	1.1	1.6	1.0	14	15	13	18	11
23	9.8	.70	e.42	.68	1.0	1.6	1.1	14	16	13	18	10
24	9.0	.59	e.42	.67	1.2	1.3	1.1	14	17	13	16	11
25	1.9	.69	e.43	.78	1.1	1.2	.97	14	16	14	16	12
26	1.5	.68	e.45	3.0	.97	1.1	1.2	19	16	15	18	12
27	1.3	.63	e.48	2.6	.99	1.1	1.1	19	17	15	13	12
28	1.4	.60	e.49	1.1	1.0	1.7	1.1	18	17	16	13	11
29	1.7	.57	e.49	e1.0	1.0	2.1	1.2	19	16	15	9.7	11
30	1.5	.60	e.49	.91	---	1.7	1.2	18	20	16	16	13
31	1.5	---	e.49	.77	---	1.8	---	15	---	17	18	---
TOTAL	308.1	23.27	14.47	26.33	32.37	45.0	37.33	388.6	458	396.6	464.7	372
MEAN	9.94	.78	.47	.85	1.12	1.45	1.24	12.5	15.3	12.8	15.0	12.4
MAX	16	1.6	.69	3.0	2.1	2.9	3.9	19	20	20	19	18
MIN	1.3	.45	.40	.47	.70	1.0	.90	1.5	12	8.5	9.7	10
AC-FT	611	46	29	52	64	89	74	771	908	787	922	738

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8.62	3.31	2.73	2.33	2.89	3.43	3.12	10.1	14.3	15.0	15.6	13.1
MAX	17.5	5.94	6.00	3.86	7.99	10.3	5.60	13.1	18.1	18.0	21.5	17.6
(WY)	1994	1994	1985	1997	1983	1983	1994	1982	1985	1986	1983	1986
MIN	5.02	.78	.47	.85	1.12	1.11	1.06	7.48	10.5	12.3	11.8	9.53
(WY)	1996	2000	2000	2000	2000	1998	1998	1986	1994	1994	1995	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1982 - 2000	
ANNUAL TOTAL	2417.44		2566.77			
ANNUAL MEAN	6.62		7.01		7.94	
HIGHEST ANNUAL MEAN					9.47	1985
LOWEST ANNUAL MEAN					6.63	1996
HIGHEST DAILY MEAN	25	Sep 3	20	Jun 30	75	Mar 6 1995
LOWEST DAILY MEAN	e.40	Dec 20	e.40	Dec 20	.40	Dec 20 1999
ANNUAL SEVEN-DAY MINIMUM	.41	Dec 15	.41	Dec 15	.41	Dec 15 1999
INSTANTANEOUS PEAK FLOW			24	May 14	a598	Aug 24 1982
INSTANTANEOUS PEAK STAGE			b2.18	May 14	8.53	Aug 24 1982
ANNUAL RUNOFF (AC-FT)	4790		5090		5750	
10 PERCENT EXCEEDS	16		16		17	
50 PERCENT EXCEEDS	1.8		2.0		5.6	
90 PERCENT EXCEEDS	.55		.49		1.4	

e Estimated.
a From rating curve extended above 26 ft^3/s, on basis of slope-area measurement of peak flow.
b Maximum gage height, 2.19 ft, Aug 30, backwater from bank vegetation.

09371492 MUD CREEK AT HIGHWAY 32, NEAR CORTEZ, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1993 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: September 1993 to current year.
WATER TEMPERATURE: September 1993 to current year.

INSTRUMENTATION.--Water-quality monitor since September 1993.

REMARKS.--Daily records of specific conductance are good except Oct. 22 to Dec. 4, Apr. 21 to July 14, Aug. 29 to Sep. 30 which are fair and Oct. 1-21, Jan. 19, and July 15 to Aug. 28 which are poor. Daily records of water temperature are good. Daily data that are not published are due to probes being isolated by ice.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 12,000 microsiemens, Apr. 25, 1999; minimum, 981 microsiemens, June 8 and 9, 1998.
WATER TEMPERATURE: Maximum, 25.6°C, July 6, 1996; minimum, -0.5°C, Dec. 2, 1995.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 10,100 microsiemens, Jan. 27; minimum, 1,330 microsiemens, July 30.
WATER TEMPERATURE: Maximum, 24.7°C, July 13, 14; minimum, -.3°C, Jan. 28, Feb. 3, 4.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
OCT										
21...	1515	9.5	2000	8.4	8.3	990	213	111	111	2
JAN										
10...	1415	.90	5930	8.2	-.5	2700	437	394	679	6
MAR										
14...	1000	1.2	5590	8.3	2.7	2800	409	437	598	5
APR										
20...	1530	.92	5760	8.2	14.0	2700	412	399	632	5
MAY										
09...	1415	15	2040	8.2	14.7	1000	222	110	112	2
JUN										
13...	1330	15	1550	8.3	18.1	720	171	70.9	67.3	1
27...	1415	16	1510	8.3	20.1	720	173	68.6	64.0	1
JUL										
14...	1445	10	1840	8.3	24.0	870	201	88.6	92.6	1
AUG										
28...	1400	13	1630	8.3	21.0	820	198	78.6	74.8	1

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT									
21...	3.7	260	968	21.1	.3	8.8	1590	2.17	40.9
JAN									
10...	10.2	471	3490	109	.5	13.1	5420	7.37	13.2
MAR									
14...	8.2	400	3310	97.9	.5	7.6	5110	6.95	16.6
APR									
20...	7.1	342	3490	101	.5	7.6	5250	7.15	13.1
MAY									
09...	5.4	226	962	24.0	.3	9.7	1580	2.15	64.9
JUN									
13...	3.5	231	647	13.5	.4	9.2	1120	1.53	46.0
27...	3.5	225	621	13.7	.4	10.5	1090	1.48	48.5
JUL									
14...	4.0	238	804	17.6	.3	12.0	1360	1.85	36.8
AUG									
28...	4.2	232	696	15.9	.3	11.8	1220	1.66	43.4

09371492 MUD CREEK AT HIGHWAY 32, NEAR CORTEZ, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1810	1770	1800	2730	2670	2700	4390	4320	4340	---	---	---
2	1790	1770	1780	2720	2630	2680	4410	4340	4380	---	---	---
3	1790	1770	1780	2920	2670	2830	4410	4380	4400	---	---	---
4	1800	1780	1800	2820	2730	2780	4540	4340	4400	---	---	---
5	1850	1780	1820	2980	2820	2940	---	---	---	---	---	---
6	1870	1850	1860	3040	2980	3010	---	---	---	---	---	---
7	1880	1820	1860	3060	3010	3040	---	---	---	---	---	---
8	1820	1750	1780	3080	3020	3060	---	---	---	---	---	---
9	1750	1730	1740	3540	3050	3320	---	---	---	---	---	---
10	1820	1740	1780	3770	3540	3680	---	---	---	---	---	---
11	1850	1820	1840	3920	3770	3840	---	---	---	---	---	---
12	1860	1840	1860	4020	3610	3860	---	---	---	---	---	---
13	1870	1860	1870	3830	3560	3630	---	---	---	---	---	---
14	1920	1870	1890	4590	3830	4010	---	---	---	---	---	---
15	1900	1880	1890	4250	4020	4190	---	---	---	---	---	---
16	1920	1890	1900	4290	4180	4230	---	---	---	---	---	---
17	1960	1890	1910	4290	4250	4270	---	---	---	---	---	---
18	1990	1960	1980	4320	4270	4300	---	---	---	---	---	---
19	1980	1960	1970	4400	4320	4350	---	---	---	7470	5920	6880
20	1980	1960	1980	4460	4340	4390	---	---	---	7290	5860	6320
21	2060	1970	2010	4490	4360	4410	---	---	---	6900	6000	6380
22	2040	1820	1940	4450	4400	4420	---	---	---	7040	5800	6320
23	1860	1730	1810	4580	3900	4310	---	---	---	6530	5750	6090
24	1860	1650	1700	4140	3890	4000	---	---	---	6320	5810	5970
25	2240	1860	2120	4170	3750	4010	---	---	---	6240	6020	6130
26	2400	2240	2330	3970	3840	3920	---	---	---	9140	5950	7840
27	2590	2400	2530	4100	3970	4080	---	---	---	10100	6930	8150
28	2660	2580	2630	4250	4100	4170	---	---	---	6930	5870	6240
29	2670	2620	2640	4360	4200	4260	---	---	---	6710	5800	6170
30	2660	2610	2630	4390	4250	4310	---	---	---	6410	5680	6000
31	2710	2640	2670	---	---	---	---	---	---	5870	5500	5640
MONTH	2710	1650	2000	4590	2630	3770	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5900	5440	5620	5550	5430	5490	9360	6020	7830	5000	4660	4830
2	6320	5760	6070	5560	5410	5470	7450	5900	6340	4720	3950	4290
3	6650	5700	6120	6280	5380	5560	5900	5680	5770	4610	4070	4390
4	6190	5640	5910	5570	5370	5480	5780	5570	5670	5820	3390	4420
5	6050	5740	5860	5610	5260	5450	5780	5560	5660	3390	2820	3020
6	5990	5720	5860	6780	5480	6190	5750	5530	5630	3800	2940	3350
7	6000	5650	5820	8390	5770	7300	5710	5500	5590	3300	2300	3050
8	5870	5620	5740	8380	6160	7160	5710	5480	5570	2320	2200	2230
9	5820	5640	5710	7820	5920	6340	5730	5490	5590	2350	1970	2160
10	5890	5710	5800	7800	6010	6560	5660	5410	5530	1970	1910	1950
11	5980	5850	5900	6010	5660	5810	5650	5450	5540	2090	1850	2000
12	5890	5350	5720	5800	5590	5680	5660	5450	5560	1880	1770	1850
13	8870	5680	7870	5700	5480	5580	5740	5460	5580	1820	1580	1730
14	6950	6250	6640	5810	5490	5660	5740	5490	5610	1900	1570	1670
15	6350	5900	6100	5850	5670	5760	5710	5510	5600	1750	1680	1710
16	5980	5850	5910	5820	5620	5720	5720	5560	5630	1770	1720	1740
17	8510	5540	5930	5830	5600	5720	5780	5520	5630	2000	1700	1810
18	8710	6670	7450	5830	5620	5720	5810	5610	5730	1740	1640	1680
19	6690	5600	6150	5820	5630	5740	5780	5580	5670	1750	1640	1700
20	5750	5450	5580	5870	5660	5740	5770	5450	5650	1850	1640	1770
21	5750	5650	5700	5940	5670	5760	5890	5660	5750	1780	1630	1710
22	5720	5620	5670	6290	5930	6130	5890	5720	5790	1720	1600	1670
23	5710	5570	5660	7390	6010	6620	5840	5540	5690	1720	1660	1700
24	5710	5600	5650	6190	5870	5970	6710	5600	5810	1860	1650	1730
25	5670	5540	5600	5890	5670	5770	5890	5690	5770	1800	1640	1720
26	5920	5510	5650	5830	5570	5690	6000	5300	5500	1730	1530	1640
27	5840	5490	5590	5760	5550	5640	5690	5390	5540	1560	1460	1510
28	5600	5480	5540	7500	5320	5710	5770	5330	5530	1610	1450	1530
29	5570	5410	5480	8330	6060	7290	5700	4660	5210	1640	1450	1570
30	---	---	---	6730	5670	6060	5390	4730	4980	1510	1440	1470
31	---	---	---	6920	6000	6410	---	---	---	1760	1480	1620
MONTH	8870	5350	5940	8390	5260	5970	9360	4660	5700	5820	1440	2230

09371492 MUD CREEK AT HIGHWAY 32, NEAR CORTEZ, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	1740	1540	1690	1590	1430	1490	1440	1360	1400	1780	1690	1730
2	1720	1540	1640	1720	1550	1660	1540	1410	1480	1720	1610	1670
3	1680	1530	1590	1750	1510	1640	1560	1450	1520	1720	1660	1700
4	1530	1490	1510	1700	1510	1630	1580	1450	1510	1720	1670	1700
5	1560	1450	1530	1710	1540	1660	1560	1420	1510	1790	1690	1740
6	1600	1450	1500	1590	1540	1560	1580	1440	1520	1850	1730	1790
7	1530	1450	1490	1630	1560	1590	1660	1530	1600	1960	1720	1820
8	1510	1430	1470	1780	1530	1600	1610	1560	1590	2360	1770	1860
9	1550	1470	1520	1800	1550	1660	1620	1480	1560	2630	1740	1950
10	1640	1510	1590	1640	1540	1610	1610	1480	1560	1820	1750	1780
11	1660	1500	1570	1810	1600	1730	1590	1510	1550	1830	1760	1790
12	1650	1480	1570	1890	1750	1840	1650	1550	1600	1950	1800	1890
13	1590	1520	1550	1860	1770	1810	1650	1490	1590	1970	1870	1910
14	3220	1580	1690	1930	1760	1830	1670	1570	1620	1950	1870	1910
15	1720	1580	1670	1900	1760	1840	1800	1630	1770	2030	1920	1980
16	1690	1590	1640	2420	1640	1810	1920	1630	1770	2020	1920	1970
17	1690	1600	1660	2380	1510	1770	1750	1540	1620	2040	1840	1940
18	1760	1620	1680	1570	1510	1530	1600	1520	1560	1940	1830	1860
19	1800	1590	1700	1650	1530	1600	1600	1540	1560	2010	1930	1970
20	1670	1590	1640	1700	1560	1610	1570	1540	1560	2100	1940	2030
21	1860	1670	1770	1700	1560	1620	1570	1530	1550	2090	2000	2060
22	1780	1600	1710	1620	1520	1570	1620	1520	1560	2050	1950	2010
23	1730	1600	1680	1560	1470	1520	1640	1560	1590	2040	1950	2010
24	1660	1600	1640	1600	1470	1520	1620	1580	1600	2040	1930	1980
25	1680	1600	1640	1570	1460	1540	1600	1560	1580	2000	1890	1940
26	1660	1570	1620	1460	1410	1430	1590	1540	1570	2010	1940	1980
27	1570	1500	1540	1510	1400	1440	1690	1540	1630	2070	1970	2030
28	1520	1480	1500	1460	1380	1420	1750	1640	1680	2020	1940	1980
29	1600	1480	1550	1410	1360	1380	1860	1720	1780	2060	1960	2030
30	1730	1360	1460	1430	1330	1380	1990	1680	1810	2030	1910	1970
31	---	---	---	1460	1360	1420	1740	1630	1690	---	---	---
MONTH	3220	1360	1600	2420	1330	1600	1990	1360	1600	2630	1610	1900

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	12.9	8.3	10.7	7.4	2.1	4.7	3.1	.3	1.8	---	---	---
2	13.1	8.9	11.2	6.8	2.0	4.5	3.2	1.8	2.5	---	---	---
3	13.3	9.4	11.4	5.8	1.4	3.7	2.2	1.1	1.6	---	---	---
4	12.6	8.3	10.6	6.3	1.1	3.7	1.5	-.1	.7	---	---	---
5	13.0	8.4	10.9	5.3	1.1	3.5	---	---	---	---	---	---
6	13.5	10.9	12.0	5.5	1.4	3.7	---	---	---	---	---	---
7	12.0	10.1	11.1	6.5	2.0	4.3	---	---	---	---	---	---
8	12.7	9.1	10.9	7.9	4.7	6.4	---	---	---	---	---	---
9	12.8	9.3	11.3	6.9	3.6	5.1	---	---	---	---	---	---
10	13.1	8.9	11.1	4.9	1.6	3.4	---	---	---	---	---	---
11	13.1	8.7	10.9	4.5	1.0	2.8	---	---	---	---	---	---
12	12.9	8.5	10.7	4.0	.5	2.3	---	---	---	---	---	---
13	12.7	8.4	10.6	3.5	.0	1.8	---	---	---	---	---	---
14	12.3	8.1	10.2	3.5	-.1	1.8	---	---	---	---	---	---
15	12.0	7.9	10.0	3.3	-.1	1.8	---	---	---	---	---	---
16	10.3	7.6	8.9	3.4	-.1	1.7	---	---	---	---	---	---
17	8.9	5.2	7.2	4.5	.7	2.7	---	---	---	---	---	---
18	8.5	4.8	6.6	4.8	2.2	3.8	---	---	---	1.5	---	---
19	8.8	4.5	6.7	2.2	-.1	1.0	---	---	---	2.0	.1	.9
20	8.9	4.6	6.8	2.5	-.1	1.0	---	---	---	1.7	-.1	.7
21	9.1	4.5	6.8	2.7	-.1	1.3	---	---	---	2.0	.2	1.0
22	9.2	4.5	6.9	2.5	.9	1.7	---	---	---	2.1	-.2	.8
23	9.1	4.4	6.7	.9	-.1	.0	---	---	---	1.3	-.2	.4
24	8.8	4.4	6.6	.0	-.1	-.1	---	---	---	1.7	-.2	.7
25	7.8	2.7	5.3	.0	-.1	-.1	---	---	---	2.6	1.5	2.0
26	7.4	2.8	5.3	.0	-.1	.0	---	---	---	2.1	.9	1.4
27	8.3	3.9	6.1	1.1	-.1	.3	---	---	---	2.1	.1	1.1
28	8.7	3.4	6.0	1.8	-.1	.7	---	---	---	.8	-.3	.1
29	8.6	5.6	7.2	1.9	-.1	.8	---	---	---	-.1	-.2	-.2
30	6.8	2.5	4.7	2.4	-.1	1.0	---	---	---	-.1	-.2	-.2
31	7.0	1.9	4.5	---	---	---	---	---	---	.3	-.2	-.1
MONTH	13.5	1.9	8.6	7.9	-.1	2.3	---	---	---	---	---	---

09371492 MUD CREEK AT HIGHWAY 32, NEAR CORTEZ, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.7	-.2	.1	5.4	3.2	4.1	9.1	3.8	6.3	16.3	7.7	11.8
2	.7	-.2	.0	7.0	2.8	4.6	10.2	3.4	7.0	17.3	7.7	12.4
3	1.6	-.3	.4	6.9	1.0	3.9	11.9	5.4	8.6	18.6	8.5	13.3
4	2.0	-.3	.7	7.8	1.2	4.4	13.4	4.7	8.9	19.4	8.8	14.1
5	2.9	.0	1.5	5.1	3.7	4.5	14.3	5.8	9.9	19.5	10.2	14.7
6	3.5	.3	1.9	4.7	3.0	4.0	14.5	6.4	10.2	18.0	11.0	14.5
7	3.3	-.2	1.5	5.0	3.2	4.1	14.8	6.5	10.5	19.3	10.8	14.4
8	3.4	-.2	1.6	4.5	1.5	3.2	14.1	6.0	10.0	15.4	13.3	14.5
9	4.5	2.0	3.2	6.1	2.2	4.3	15.2	6.5	10.6	18.0	10.8	13.9
10	4.1	2.3	3.2	6.8	2.3	4.5	15.0	6.3	10.6	18.9	13.1	15.8
11	4.4	2.0	3.0	7.1	.8	3.9	12.5	8.1	10.3	17.7	12.7	15.1
12	2.6	1.0	1.7	8.2	2.3	5.1	15.1	5.8	10.1	14.9	10.1	12.7
13	2.8	.7	1.8	8.3	2.4	5.3	15.5	6.2	10.7	14.2	9.6	12.0
14	4.0	2.2	3.0	8.5	1.9	5.3	12.4	6.8	10.0	13.7	10.0	12.2
15	5.1	.7	2.9	6.3	3.6	5.1	11.8	7.6	9.5	16.2	10.7	13.3
16	3.8	1.1	2.8	8.4	2.0	4.9	12.7	5.0	8.9	17.5	12.6	15.0
17	3.6	2.1	2.8	7.6	1.6	4.6	15.4	5.4	10.1	14.4	10.9	12.7
18	4.3	1.7	2.9	7.3	1.9	4.3	13.0	7.6	10.0	14.5	9.7	12.4
19	3.7	.0	2.1	7.6	.1	3.9	12.6	5.9	9.2	15.9	10.9	13.3
20	4.2	.6	2.6	5.5	3.6	4.7	14.6	4.4	9.3	17.3	11.7	14.5
21	5.2	2.5	3.9	4.6	3.0	3.8	12.3	7.6	10.1	18.4	12.1	15.4
22	5.3	3.0	4.3	6.4	3.0	4.5	11.7	7.5	9.5	19.8	13.2	16.6
23	5.1	.5	3.0	10.6	4.9	7.3	16.4	7.1	11.2	21.1	14.6	17.9
24	4.7	2.7	4.1	9.6	4.2	7.1	16.4	7.3	11.4	21.8	16.4	19.0
25	3.2	.8	1.9	11.3	4.4	7.8	16.0	5.5	10.6	19.2	15.4	17.4
26	3.9	-.2	1.4	11.3	4.3	7.8	17.3	6.7	11.8	18.1	13.5	15.8
27	5.3	-.2	2.4	11.6	4.2	8.0	18.4	8.0	13.0	19.5	13.4	16.6
28	5.6	3.1	4.2	8.6	6.8	7.5	17.8	8.9	13.1	20.7	14.8	18.0
29	6.9	2.0	4.2	11.1	4.5	7.9	16.3	10.2	13.0	21.3	16.0	18.8
30	---	---	---	9.5	7.2	8.4	17.0	9.1	12.7	21.3	15.9	18.8
31	---	---	---	7.4	5.5	6.4	---	---	---	21.1	15.4	18.5
MONTH	6.9	-.3	2.4	11.6	.1	5.3	18.4	3.4	10.2	21.8	7.7	15.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.2	14.8	18.3	23.1	17.2	20.1	22.7	18.2	20.6	18.8	16.3	17.2
2	20.9	16.0	18.5	23.1	17.7	20.3	22.9	18.5	20.7	18.7	14.7	16.7
3	21.3	15.4	18.4	23.5	18.0	20.6	22.4	18.2	20.5	18.6	14.9	16.7
4	21.6	15.2	18.4	22.8	16.2	19.5	23.2	18.9	21.1	19.7	14.1	16.8
5	22.4	17.0	19.6	22.9	14.9	18.7	23.0	18.4	20.8	19.3	16.5	17.9
6	22.5	17.2	19.9	22.2	15.5	18.9	22.7	17.5	20.2	17.8	16.3	17.1
7	22.3	16.3	19.6	22.6	17.2	19.7	22.6	17.3	19.8	19.6	15.3	17.5
8	20.8	17.4	19.3	21.9	18.7	20.3	22.7	17.4	19.9	18.5	16.1	17.1
9	20.0	16.4	18.3	22.6	18.3	20.4	21.7	18.0	20.1	18.3	14.0	16.1
10	19.8	14.2	17.2	23.1	18.0	20.7	23.8	19.0	21.1	18.2	13.8	16.1
11	20.4	14.4	17.6	23.6	17.9	20.8	24.1	18.9	21.3	18.4	13.4	15.9
12	19.5	14.4	17.3	24.3	18.7	21.2	23.4	19.1	21.0	18.6	13.2	15.9
13	20.8	14.4	17.6	24.7	19.2	21.5	23.4	19.2	21.1	18.5	12.8	15.7
14	20.9	15.0	18.0	24.7	18.8	21.5	22.9	19.0	21.1	18.9	13.6	16.2
15	21.7	15.3	18.6	23.2	19.3	21.2	23.6	19.8	21.8	19.3	14.1	16.5
16	22.0	15.8	18.9	23.2	18.9	21.1	23.1	19.7	21.4	18.9	13.8	16.4
17	21.2	15.3	18.3	23.2	19.5	21.3	23.2	19.6	21.4	19.0	14.4	16.5
18	20.1	16.6	18.7	23.3	18.2	20.9	22.5	19.5	20.8	18.6	15.9	17.1
19	20.7	16.2	18.6	23.0	16.6	19.9	21.7	18.3	20.0	17.8	13.3	15.7
20	21.6	16.2	18.9	22.9	16.6	19.8	20.9	18.4	19.8	18.2	13.7	15.9
21	21.6	15.0	18.4	23.0	16.6	19.9	20.6	17.5	19.0	17.6	13.6	15.4
22	21.3	16.1	18.8	22.8	16.5	19.7	21.6	17.9	19.7	18.1	14.3	15.9
23	21.7	17.7	19.6	20.6	16.9	19.1	21.6	18.1	20.1	15.8	13.3	14.5
24	22.0	17.7	20.0	21.4	16.6	19.2	22.2	18.1	20.3	13.8	10.3	12.2
25	22.5	17.3	20.2	24.2	19.0	21.3	22.0	18.7	20.3	13.2	8.6	11.0
26	21.6	18.3	20.1	24.0	19.2	21.7	21.6	17.8	19.7	13.6	8.6	11.3
27	21.6	17.8	20.0	22.8	19.2	21.2	22.4	17.7	19.9	15.8	11.5	13.6
28	20.9	17.7	19.7	23.0	17.4	20.4	22.4	17.8	20.0	17.0	12.5	14.5
29	22.2	17.2	19.8	23.3	19.2	21.3	21.2	17.2	19.3	17.6	14.1	15.7
30	20.8	17.7	19.6	22.3	18.6	20.5	21.2	18.0	19.4	16.8	13.6	15.3
31	---	---	---	22.4	17.5	20.1	20.6	17.2	18.8	---	---	---
MONTH	22.5	14.2	18.9	24.7	14.9	20.4	24.1	17.2	20.4	19.7	8.6	15.7

09371520 McELMO CREEK ABOVE TRAIL CANYON, NEAR CORTEZ, CO

LOCATION.--Lat 37°19'36", long 108°42'00", in NE$^1/_4$NE$^1/_4$ sec.3, T.35 N., R.17 W., Montezuma County, Hydrologic Unit 14080202, on left bank adjacent to abandoned gravel pit 1.5 mi downstream from Mud Creek, 1.9 mi upstream from Trail Canyon, and 5.5 mi south of Cortez.

DRAINAGE AREA.--234 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1993 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,690 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. A few small diversions upstream from station. Most of flow comes from diversions through the Dolores Project and Montezuma Valley Irrigation Company (water imported from Dolores River Basin).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 9, 1927 at location 1.5 mi upstream was determined to be 5,560 ft^3/s, gage height, 5.72 ft, site and datum then in use. Feb. 20, 1993, 890 ft^3/s, gage height, 7.57 ft, present datum, on basis of slope-area measurement at site 1 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	79	35	e26	47	35	53	35	70	93	97	120
2	106	76	34	e26	50	29	54	35	75	82	84	135
3	109	73	34	e26	43	27	35	35	76	77	75	122
4	109	76	31	e26	40	28	24	33	78	66	71	122
5	112	74	28	e26	37	36	21	37	78	63	72	112
6	113	69	e27	e27	35	39	19	53	79	63	70	122
7	113	73	e27	e28	32	58	18	54	80	64	71	127
8	125	79	e27	e29	32	55	17	63	84	65	75	123
9	114	75	e27	e30	34	40	17	74	94	97	77	147
10	111	74	e26	e33	37	41	15	78	97	93	74	126
11	98	70	e26	e35	39	31	14	66	94	78	78	119
12	93	67	e26	e37	39	27	16	60	100	71	81	102
13	96	66	e26	e38	45	24	15	73	99	70	102	87
14	102	66	e25	e40	42	23	15	80	86	72	97	76
15	101	68	e25	e42	50	21	16	76	77	72	94	71
16	108	68	e24	e45	53	20	16	73	78	79	104	71
17	100	68	e24	e50	51	19	18	69	68	90	101	75
18	104	68	e23	e45	56	18	16	85	68	80	108	81
19	89	66	e24	e41	60	19	14	84	82	73	119	84
20	80	62	e24	e40	57	23	15	85	76	67	110	78
21	81	64	e24	e38	54	25	17	83	62	65	110	74
22	76	63	e24	40	50	31	18	86	59	67	101	74
23	76	50	e24	37	45	36	21	82	58	73	100	71
24	76	42	e25	35	43	30	19	76	59	77	97	77
25	76	44	e25	36	41	23	34	84	58	71	96	79
26	76	52	e27	75	35	22	24	93	57	72	107	82
27	74	39	e28	81	37	20	23	91	59	68	103	78
28	77	37	e28	58	36	23	33	89	66	70	103	72
29	80	37	e28	43	34	39	39	92	69	73	93	74
30	75	35	e27	42	---	29	38	78	87	78	141	89
31	79	---	e26	57	---	32	---	70	---	90	135	---
TOTAL	2935	1880	829	1232	1254	923	694	2172	2273	2319	2946	2870
MEAN	94.7	62.7	26.7	39.7	43.2	29.8	23.1	70.1	75.8	74.8	95.0	95.7
MAX	125	79	35	81	60	58	54	93	100	97	141	147
MIN	74	35	23	26	32	18	14	33	57	63	70	71
AC-FT	5820	3730	1640	2440	2490	1830	1380	4310	4510	4600	5840	5690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	90.1	57.3	35.9	37.1	41.5	44.3	36.3	65.4	83.4	94.8	108	106
MAX	125	89.1	42.9	58.8	62.5	87.4	82.8	83.0	100	108	125	126
(WY)	1994	1999	1999	1997	1994	1995	1997	1998	1997	1997	1995	1997
MIN	68.1	37.1	26.7	23.4	26.7	19.9	22.6	50.7	59.0	74.8	94.2	80.4
(WY)	1995	1997	2000	1996	1996	1996	1996	1996	1994	2000	1996	1996

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1993 - 2000	
ANNUAL TOTAL	22999		22327			
ANNUAL MEAN	63.0		61.0		66.7	
HIGHEST ANNUAL MEAN					78.8	1997
LOWEST ANNUAL MEAN					54.2	1996
HIGHEST DAILY MEAN	197	Sep 3	147	Sep 9	757	Mar 6 1995
LOWEST DAILY MEAN	11	Apr 20	14	Apr 11	11	Apr 9 1996
ANNUAL SEVEN-DAY MINIMUM	15	Apr 15	15	Apr 10	13	Apr 6 1996
INSTANTANEOUS PEAK FLOW			168	Aug 30	1080	Mar 6 1995
INSTANTANEOUS PEAK STAGE			a3.47	Aug 30	8.42	Mar 6 1995
ANNUAL RUNOFF (AC-FT)	45620		44290		48350	
10 PERCENT EXCEEDS	115		101		115	
50 PERCENT EXCEEDS	62		66		59	
90 PERCENT EXCEEDS	22		24		26	

e Estimated.
a Maximum gage height, 7.56 ft, Jan 4, backwater from ice.

09371520 McELMO CREEK ABOVE TRAIL CANYON, NEAR CORTEZ, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1990 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1990 to current year.
WATER TEMPERATURES: October 1990 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1990.

REMARKS.--Daily water temperature data are good. Daily specific conductance data are good except Oct. 1-21, Jan. 20 to Mar. 14 which are fair and June 28 to July 14, Aug. 29 to Sep. 30 which are poor.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 3,820 microsiemens, Jan. 22, 1999; minimum, 947 microsiemens, June 20, 2000.
WATER TEMPERATURE: Maximum, 26.3°C, July 5-6, 1996; minimum, -0.4°C during winter months most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 3,430 microsiemens, Apr. 1; minimum, 947 microsiemens, June 20.
WATER TEMPERATURE: Maximum, 25.1°C, July 13, 25, 26; minimum, -.1°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
OCT										
21...	1400	80	1620	8.4	8.0	840	197	85.4	66.4	1
JAN										
10...	1315	31	2760	8.3	.0	1500	317	166	157	2
MAR										
14...	1215	22	2870	8.4	7.9	1500	297	189	189	2
APR										
20...	1245	15	2910	8.4	12.5	1500	287	188	198	2
MAY										
09...	1300	73	1790	8.3	15.0	830	183	89.7	96.4	1
JUN										
13...	1145	102	1140	8.4	16.8	520	128	49.5	42.1	.8
27...	1230	61	1320	8.4	20.3	630	153	59.8	51.5	.9
JUL										
14...	1300	74	1310	8.4	22.8	620	152	58.5	50.4	.9
AUG										
28...	1230	106	1300	8.4	20.2	670	167	61.7	48.1	.8

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT									
21...	3.7	226	732	16.2	.3	9.2	1250	1.69	267
JAN									
10...	4.5	329	1460	33.0	.3	12.5	2350	3.20	198
MAR									
14...	5.1	235	1570	37.5	.3	5.2	2440	3.31	147
APR									
20...	4.4	210	1590	37.4	.3	4.7	2430	3.31	100
MAY									
09...	5.4	195	815	20.9	.4	8.9	1340	1.82	262
JUN									
13...	3.5	187	428	10.4	.3	9.6	784	1.07	216
27...	3.7	221	504	12.6	.4	11.2	928	1.26	154
JUL									
14...	3.9	230	497	11.7	.3	13.3	926	1.26	185
AUG									
28...	3.8	222	499	11.7	.3	12.5	937	1.27	268

09371520 McELMO CREEK ABOVE TRAIL CANYON, NEAR CORTEZ, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1580	1550	1570	1660	1620	1640	2390	2320	2360	2480	2360	2410
2	1580	1550	1560	1700	1650	1670	2450	2390	2430	2380	2340	2360
3	1560	1480	1520	1720	1670	1690	2480	2430	2450	2540	2380	2460
4	1480	1440	1450	1710	1660	1700	2530	2370	2450	2620	2430	2550
5	1500	1450	1460	1730	1670	1710	2680	2310	2430	2620	2530	2570
6	1540	1490	1510	1780	1720	1760	2660	2320	2480	2540	2510	2520
7	1540	1420	1480	1770	1670	1710	2620	2320	2500	2800	2530	2640
8	1420	1380	1400	1690	1640	1670	2580	2340	2450	2760	2710	2740
9	1490	1420	1460	1710	1660	1690	2620	2340	2460	2750	2670	2720
10	1500	1440	1460	1720	1640	1680	2580	2340	2470	2700	2560	2640
11	1530	1500	1520	1740	1680	1720	2520	2280	2420	2640	2490	2570
12	1640	1520	1550	1810	1730	1770	2570	2330	2480	2570	2410	2520
13	1640	1590	1620	1790	1730	1770	2620	2330	2510	2590	2450	2510
14	1640	1510	1570	1740	1700	1720	2670	2370	2520	2620	2540	2580
15	1540	1470	1500	1860	1690	1730	2710	2390	2610	2640	2550	2590
16	1480	1410	1450	1740	1690	1720	2650	2420	2570	2760	2560	2650
17	1460	1410	1430	1780	1690	1720	2520	2310	2440	2910	2620	2740
18	1490	1450	1470	1840	1730	1780	2410	2310	2380	2850	2650	2760
19	1630	1470	1570	1810	1740	1760	2430	2330	2390	2930	2730	2820
20	1690	1630	1670	1780	1690	1740	2440	2320	2400	2940	2780	2850
21	1700	1620	1650	1850	1760	1790	2450	2360	2410	2930	2790	2850
22	1730	1700	1710	1850	1810	1830	2470	2340	2400	2920	2800	2860
23	1700	1680	1690	2030	1830	1890	2500	2360	2430	2930	2830	2870
24	1690	1650	1670	2150	1880	2000	2430	2360	2400	2930	2760	2820
25	1680	1620	1660	2270	1900	2120	2450	2330	2390	2890	2720	2820
26	1690	1640	1660	2320	2030	2150	2360	2290	2320	3160	2630	2860
27	1710	1680	1690	2300	2160	2210	2380	2290	2330	3290	3110	3150
28	1690	1640	1660	2360	2200	2260	2470	2270	2410	3180	2810	2980
29	1680	1620	1660	2370	2240	2300	2460	2310	2400	3110	2630	2860
30	1720	1660	1690	2390	2260	2320	2510	2330	2440	2950	2500	2770
31	1670	1620	1640	---	---	---	2570	2330	2490	2770	2460	2560
MONTH	1730	1380	1570	2390	1620	1840	2710	2270	2440	3290	2340	2700

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2580	2360	2470	3120	3020	3070	3430	2940	3170	1830	1730	1780
2	2930	2370	2570	3190	2920	3030	3110	2840	2930	1960	1830	1910
3	3090	2430	2630	3110	2940	2980	2890	2620	2760	1900	1830	1870
4	2920	2590	2700	3080	2990	3030	2740	2550	2680	1910	1710	1820
5	2860	2640	2780	3230	2680	2870	2800	2550	2710	1990	1730	1840
6	2870	2780	2830	3030	2700	2830	2830	2650	2750	1920	1610	1710
7	3000	2820	2890	3260	2960	3110	2840	2570	2710	1750	1530	1590
8	3010	2830	2940	3140	3020	3090	2770	2600	2670	1660	1470	1550
9	3060	2890	2980	3120	2960	3030	2730	2580	2650	1790	1540	1670
10	3080	2950	3000	3020	2940	2990	2760	2630	2670	1580	1410	1480
11	3050	2930	2980	3040	2850	2960	2850	2680	2750	1460	1350	1410
12	3040	2880	2960	2870	2660	2760	3230	2760	2960	1420	1370	1400
13	3360	2910	3140	2880	2640	2700	3170	2980	3040	1390	1330	1360
14	3210	3080	3150	2960	2860	2900	3130	2970	3030	1440	1330	1360
15	3160	3010	3070	2960	2880	2910	3030	2870	2940	1400	1330	1350
16	3060	2910	2980	3010	2890	2940	3020	2890	2930	1450	1400	1420
17	3150	2880	2970	3070	2920	3000	2920	2670	2840	1500	1410	1470
18	3240	2900	3040	3130	2990	3050	2670	2510	2590	1410	1330	1370
19	3150	3010	3080	3060	2980	3010	2900	2670	2780	1470	1370	1430
20	3140	3020	3080	3000	2610	2790	2940	2770	2870	1490	1440	1460
21	3140	2960	3040	2720	2590	2670	2880	2730	2810	1450	1400	1420
22	3120	2950	3020	2930	2710	2840	2820	2600	2680	1440	1400	1420
23	3100	2980	3010	3110	2800	2970	2700	2560	2620	1450	1410	1430
24	3100	3020	3060	3220	2910	3060	2770	2680	2730	1510	1430	1460
25	3130	2890	2970	3030	2880	2960	2850	1640	2170	1460	1350	1390
26	3220	2790	2930	3170	2890	3020	2290	1890	2190	1360	1320	1340
27	3110	2820	2930	2900	2770	2840	2410	2260	2330	1580	1280	1330
28	3000	2820	2930	2820	2630	2720	2450	1780	1980	1350	1290	1310
29	3060	2920	3010	2830	2540	2660	2000	1810	1860	1310	1280	1300
30	---	---	---	2920	2660	2760	2030	1740	1870	1340	1300	1310
31	---	---	---	2980	2800	2920	---	---	---	1390	1330	1350
MONTH	3360	2360	2940	3260	2540	2920	3430	1640	2660	1990	1280	1490

09371520 McELMO CREEK ABOVE TRAIL CANYON, NEAR CORTEZ, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	1370	1330	1350	1230	1080	1120	1250	1170	1190	1310	1290	1300
2	1340	1300	1320	1160	1090	1110	1200	1170	1180	1300	1220	1260
3	1320	1280	1300	1240	1060	1140	1280	1170	1210	1270	1260	1270
4	1310	1280	1300	1180	1140	1150	1320	1250	1270	1260	1200	1230
5	1290	1260	1270	1190	1090	1120	1320	1240	1280	1280	1240	1260
6	1290	1250	1260	1220	1160	1190	1290	1210	1240	1300	1250	1270
7	1300	1250	1290	1270	1200	1240	1240	1210	1220	1290	1270	1280
8	1250	1230	1240	1240	1240	1240	1250	1210	1220	1280	1210	1250
9	1270	1220	1240	1240	1140	1240	1250	1210	1240	1460	1170	1290
10	1240	1180	1210	1340	1140	1200	1240	1200	1210	1170	1090	1130
11	1240	1190	1210	1340	1340	1340	1220	1120	1200	1090	1060	1070
12	1260	1190	1210	1440	1340	1360	1260	1170	1230	1150	1090	1130
13	1200	1150	1170	1340	1240	1300	1370	1230	1310	1200	1150	1170
14	1230	1180	1210	1350	1240	1310	1360	1330	1340	1270	1200	1230
15	1210	1160	1180	1340	1310	1320	1360	1260	1330	1430	1270	1360
16	1200	1140	1170	1420	1320	1340	1350	1280	1300	1500	1430	1460
17	1170	1120	1140	1440	1330	1370	1350	1300	1320	1490	1420	1450
18	1150	1030	1080	1360	1310	1340	1330	1250	1280	1440	1410	1420
19	1040	993	1010	1360	1280	1300	1410	1240	1290	1500	1430	1460
20	1230	947	1040	1340	1300	1320	1390	1290	1300	1450	1370	1390
21	1260	1230	1250	1370	1320	1340	1290	1230	1240	1380	1360	1370
22	1290	1230	1270	1370	1300	1340	1320	1250	1280	1380	1350	1370
23	1240	1160	1200	1310	1230	1250	1330	1280	1300	1370	1340	1350
24	1320	1140	1210	1250	1200	1220	1300	1280	1280	1340	1310	1320
25	1370	1310	1340	1300	1250	1270	1330	1280	1300	1330	1300	1320
26	1370	1320	1350	1320	1240	1270	1320	1290	1300	1330	1300	1320
27	1380	1310	1340	1280	1230	1260	1320	1300	1300	1360	1310	1320
28	1840	1330	1420	1280	1210	1240	1350	1300	1320	1370	1320	1340
29	1460	1280	1350	1290	1190	1230	1360	1310	1330	1380	1330	1350
30	1420	1230	1300	1240	1180	1210	1440	1300	1360	1360	1300	1330
31	---	---	---	1270	1230	1250	1400	1300	1330	---	---	---
MONTH	1840	947	1240	1440	1060	1260	1440	1120	1270	1500	1060	1300
YEAR	3430	947	1970									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.6	8.8	11.2	8.0	4.4	6.3	4.8	1.6	3.4	.0	.0	.0
2	13.8	9.4	11.7	7.5	4.2	5.9	4.7	2.5	3.7	.0	.0	.0
3	13.9	9.7	11.8	7.1	3.6	5.4	3.3	1.7	2.4	.0	-.1	.0
4	13.1	8.7	11.0	7.2	3.5	5.4	2.7	-.1	1.1	.0	.0	.0
5	13.7	8.8	11.4	7.3	3.5	5.4	.3	-.1	.0	.0	.0	.0
6	13.8	11.2	12.5	7.6	3.8	5.7	.1	-.1	.0	.0	.0	.0
7	12.4	10.4	11.5	7.9	4.3	6.1	.0	-.1	.0	.0	.0	.0
8	13.5	9.4	11.4	9.5	6.1	7.7	.0	-.1	.0	.0	.0	.0
9	13.5	9.6	11.7	8.4	5.5	7.0	.0	.0	.0	.0	.0	.0
10	13.5	9.4	11.5	7.2	4.1	5.8	.0	.0	.0	.0	.0	.0
11	13.4	9.1	11.3	7.0	3.6	5.3	.0	.0	.0	.0	.0	.0
12	13.2	9.0	11.2	6.6	3.2	4.9	.0	.0	.0	.0	.0	.0
13	13.0	8.8	11.0	6.0	2.6	4.4	.0	-.1	.0	.0	.0	.0
14	12.6	8.6	10.7	5.8	2.4	4.1	.0	-.1	.0	.0	.0	.0
15	12.3	8.4	10.4	5.8	2.4	4.1	.0	.0	.0	.0	.0	.0
16	10.6	7.9	9.3	6.0	2.6	4.3	.0	-.1	.0	.0	.0	.0
17	9.1	5.6	7.5	6.8	3.4	5.2	.0	.0	.0	.0	.0	.0
18	9.0	5.3	7.2	6.6	4.0	5.6	.0	.0	.0	.1	.0	.0
19	9.1	5.3	7.3	4.0	1.5	3.0	.0	.0	.0	.2	.0	.0
20	9.1	5.2	7.2	4.4	1.4	2.9	.0	.0	.0	1.2	.0	.4
21	9.2	5.1	7.3	3.8	1.9	2.9	.0	.0	.0	2.5	.2	1.1
22	9.4	5.3	7.4	3.8	1.8	2.8	.0	.0	.0	3.7	-.1	1.3
23	9.4	5.2	7.3	2.2	.0	1.0	.0	.0	.0	3.2	-.1	1.2
24	9.1	5.1	7.2	1.2	-.1	.2	.0	.0	.0	2.6	.3	1.4
25	9.3	5.1	7.3	.2	.0	.0	.0	.0	.0	3.8	2.2	2.9
26	9.1	5.1	7.2	1.5	.0	.4	.0	.0	.0	3.9	2.1	2.9
27	9.7	5.8	7.8	3.4	-.1	1.6	.0	.0	.0	3.1	1.0	2.0
28	9.0	5.7	7.6	4.1	.5	2.5	.0	.0	.0	2.6	-.1	.9
29	9.4	6.6	8.2	4.2	.9	2.6	.0	.0	.0	1.0	-.1	.2
30	7.7	4.3	6.1	4.5	.8	2.7	.0	-.1	.0	.1	-.1	.0
31	7.8	4.0	6.0	---	---	---	.0	.0	.0	.1	.0	.0
MONTH	13.9	4.0	9.3	9.5	-.1	4.0	4.8	-.1	.3	3.9	-.1	.5

09371520 McELMO CREEK ABOVE TRAIL CANYON, NEAR CORTEZ, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.5	-.1	.3	6.0	3.8	4.9	10.1	4.6	7.0	18.4	9.9	13.9
2	1.9	.0	.4	9.5	3.4	6.1	11.7	4.8	8.1	19.5	10.0	14.7
3	3.0	-.1	.9	9.3	2.4	5.8	13.5	6.4	9.8	20.4	10.9	15.7
4	3.3	-.1	1.4	10.3	2.8	6.5	15.4	6.2	10.7	21.0	11.4	16.2
5	4.4	.4	2.3	7.1	4.0	5.4	16.8	7.8	12.2	20.7	11.7	16.2
6	4.9	.9	2.9	5.4	3.3	4.3	16.7	8.4	12.5	18.5	12.8	15.5
7	5.2	.3	2.7	5.8	3.5	4.5	17.2	8.4	12.7	18.8	12.4	15.4
8	5.2	.4	2.8	5.2	2.1	3.7	16.5	8.0	12.2	16.4	13.4	14.9
9	5.9	2.9	4.3	6.4	2.5	4.6	17.7	8.5	12.9	17.9	10.6	14.3
10	5.6	3.6	4.4	7.1	2.7	4.9	18.1	8.5	13.2	19.6	12.9	16.0
11	5.6	2.8	4.0	8.5	1.8	5.1	14.4	9.9	12.2	18.3	13.0	15.3
12	3.7	1.9	2.6	9.8	3.3	6.6	17.7	7.9	12.6	15.9	9.4	12.5
13	3.3	1.2	2.3	10.6	3.7	7.1	18.4	8.8	13.5	15.5	8.9	12.1
14	5.0	2.6	3.6	10.8	3.4	7.2	14.7	9.4	12.3	14.0	9.7	12.1
15	6.8	1.8	4.2	7.7	4.8	6.4	14.2	9.0	11.3	17.1	10.4	13.6
16	5.1	2.3	3.9	10.3	2.3	6.1	15.2	7.2	11.3	18.6	12.6	15.3
17	4.3	2.1	3.2	9.8	3.1	6.3	17.9	7.6	12.4	14.1	11.0	12.6
18	6.4	2.5	4.1	9.3	2.6	5.8	15.1	9.6	12.1	14.4	9.8	12.3
19	5.1	1.2	3.2	9.9	1.5	5.8	14.5	7.7	11.0	16.4	10.8	13.5
20	5.3	1.6	3.5	7.1	4.2	5.5	17.2	6.6	11.8	18.2	11.5	14.8
21	6.6	3.3	4.9	5.7	3.3	4.4	14.2	9.8	12.2	18.9	12.0	15.5
22	7.2	4.3	5.6	7.3	3.5	5.3	13.2	9.1	10.8	20.4	13.2	16.8
23	6.8	2.0	4.6	12.3	5.4	8.4	18.2	8.5	12.9	21.8	14.7	18.2
24	5.6	3.0	4.8	12.7	5.9	9.4	18.6	9.4	13.6	21.7	16.5	19.2
25	4.7	1.2	2.7	14.1	6.7	10.3	17.0	7.8	12.6	19.1	15.6	17.1
26	5.8	.0	2.3	14.3	6.4	10.2	19.6	9.3	14.3	18.4	13.5	15.9
27	7.1	.0	3.6	13.7	5.8	9.9	20.6	10.9	15.8	20.5	13.3	16.9
28	6.7	3.6	5.0	10.2	7.6	8.7	19.9	11.7	15.7	21.8	14.7	18.3
29	7.3	2.4	4.9	12.8	5.4	9.1	18.1	12.1	14.9	22.2	16.0	19.1
30	---	---	---	11.1	8.0	9.4	18.4	10.4	14.2	22.5	16.0	19.2
31	---	---	---	8.1	6.3	7.2	---	---	---	22.2	15.4	18.8
MONTH	7.3	-.1	3.3	14.3	1.5	6.6	20.6	4.6	12.3	22.5	8.9	15.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.2	15.0	18.7	23.8	17.4	20.5	23.4	18.1	20.8	18.8	16.4	17.2
2	21.7	16.0	18.9	22.7	18.3	20.7	23.5	18.7	21.1	19.1	14.8	16.9
3	22.3	15.5	18.8	23.9	18.2	20.9	22.6	18.4	20.8	18.6	14.9	16.8
4	22.4	15.2	18.9	23.3	16.8	20.0	24.4	19.1	21.7	20.0	14.5	17.2
5	23.0	16.7	19.7	23.3	15.9	19.5	24.0	18.5	21.3	19.9	16.8	18.4
6	23.1	17.1	20.1	23.3	15.9	19.5	23.0	17.5	20.5	18.4	16.8	17.6
7	23.2	16.4	19.8	23.1	17.2	19.9	23.6	17.3	20.3	20.0	15.7	17.8
8	20.7	17.5	19.3	22.9	18.6	20.6	23.2	17.4	20.3	18.6	16.4	17.5
9	20.6	16.3	18.2	22.9	18.4	20.3	23.1	18.2	20.6	18.6	14.2	16.4
10	20.7	14.0	17.4	23.5	18.4	20.8	24.8	19.2	21.7	18.6	14.1	16.4
11	21.3	14.5	17.8	24.2	18.7	21.5	25.0	18.9	21.6	18.6	13.9	16.4
12	20.1	14.5	17.5	25.0	19.3	21.8	24.4	19.4	21.6	18.8	13.9	16.4
13	21.3	14.4	17.7	25.1	19.4	21.7	24.7	19.1	21.7	19.3	13.7	16.5
14	21.4	15.0	18.2	24.3	19.2	21.8	23.5	19.1	21.4	19.6	14.1	16.8
15	22.3	15.5	18.9	23.1	19.5	21.4	23.6	19.8	21.8	20.0	14.4	17.1
16	22.1	15.8	18.9	23.8	19.4	21.5	24.2	19.8	21.8	19.9	14.3	17.0
17	21.1	14.9	18.2	24.2	19.5	21.6	24.4	19.7	21.8	19.3	14.7	17.0
18	20.0	16.2	18.4	24.1	18.3	21.2	22.4	19.6	20.8	19.1	16.1	17.4
19	21.3	15.9	18.5	23.6	16.7	20.2	22.5	18.3	20.3	18.4	13.7	16.1
20	22.2	15.7	18.9	24.0	16.9	20.4	21.4	18.4	19.9	18.7	13.9	16.3
21	22.1	14.6	18.3	23.9	16.6	20.3	20.9	17.3	19.1	17.0	14.0	15.6
22	21.9	15.5	18.7	23.6	16.3	20.0	22.4	17.9	20.0	18.7	14.6	16.3
23	21.6	17.5	19.4	21.6	16.9	19.4	22.6	18.1	20.4	16.1	13.6	14.8
24	23.1	17.7	20.2	23.0	16.6	19.8	22.7	18.2	20.4	14.2	10.5	12.4
25	24.3	17.0	20.5	25.1	19.1	21.8	21.7	18.5	20.2	13.9	8.7	11.3
26	22.4	18.1	20.1	25.1	19.4	22.1	21.0	17.8	19.5	14.4	8.9	11.7
27	22.8	17.3	20.1	23.6	19.2	21.4	22.3	17.8	20.0	16.5	11.8	14.0
28	21.2	17.5	19.6	24.4	17.4	20.9	23.0	18.2	20.4	17.0	12.7	14.8
29	23.2	16.7	19.8	23.8	19.0	21.4	21.7	18.1	19.9	18.3	14.2	16.2
30	21.5	17.5	19.7	23.6	18.6	20.9	20.9	17.9	19.4	17.7	13.8	15.8
31	---	---	---	23.7	17.7	20.6	20.4	17.1	18.8	---	---	---
MONTH	24.3	14.0	19.0	25.1	15.9	20.8	25.0	17.1	20.6	20.0	8.7	16.1
YEAR	25.1	-.1	10.7									

09372000 McELMO CREEK NEAR COLORADO-UTAH STATE LINE

LOCATION.--Lat 37°19'27", long 109°00'54", in NE$^1/_4$ sec.2, T.35 N., R.20 W., Montezuma County, Hydrologic Unit 14080202, on right bank 1.5 mi upstream from Colorado-Utah State line, 2.0 mi upstream from Yellowjacket Creek, and 2.0 mi west of former town of McElmo.

DRAINAGE AREA.--346 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1951 to current year.

REVISED RECORDS.--WSP 1925: 1951-52 (M), 1957 (M). WRD CO-1972: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,890 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 1,780 acres upstream from station. One diversion upstream from station for irrigation of about 60 acres downstream from station. Part of flow is return water from irrigated lands of Montezuma Irrigation District (water imported from Dolores River basin).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	90	45	e32	35	26	56	32	47	70	72	103
2	113	86	47	e32	31	27	60	29	49	68	72	105
3	110	84	46	e26	33	26	48	30	60	65	69	102
4	107	84	44	24	34	25	35	29	60	48	59	96
5	109	84	40	e24	31	30	29	25	53	45	50	103
6	111	80	36	e24	30	34	26	28	56	40	46	95
7	113	75	e34	e22	28	40	24	35	58	37	48	103
8	118	82	e34	e24	27	54	22	36	63	e44	52	102
9	122	83	e34	e26	27	50	21	48	67	e68	53	123
10	118	75	e32	e26	29	42	20	49	73	e66	52	129
11	110	76	e32	e28	30	39	20	42	72	e60	51	111
12	105	72	e31	e32	30	34	19	35	71	e52	82	96
13	100	69	e31	33	34	31	19	41	71	e50	69	77
14	97	69	e31	33	32	29	19	56	67	e56	75	67
15	103	71	31	35	34	28	20	51	53	57	68	58
16	105	74	e30	35	37	27	20	50	52	59	67	53
17	109	76	e28	36	37	24	21	43	44	66	74	56
18	106	77	e27	41	39	23	20	45	45	64	73	58
19	106	75	e27	45	40	22	19	49	52	56	82	63
20	98	76	e27	39	39	25	18	49	56	52	81	64
21	93	75	e26	35	38	32	18	45	46	47	80	60
22	93	76	e27	34	37	33	22	48	41	43	81	60
23	95	68	e27	32	36	39	19	45	43	48	76	61
24	94	e50	e27	30	33	36	22	37	46	48	73	61
25	95	e44	e27	30	33	31	21	37	38	50	72	67
26	98	52	e29	44	30	28	28	51	36	49	77	69
27	95	54	31	70	28	26	18	57	37	40	86	69
28	96	49	33	e46	28	28	19	55	39	46	85	64
29	99	47	e32	e34	27	38	25	58	44	46	80	63
30	94	46	e32	33	---	40	33	47	60	56	102	71
31	94	---	32	35	---	36	---	43	---	60	134	---
TOTAL	3221	2119	1010	1040	947	1003	761	1325	1599	1656	2241	2409
MEAN	104	70.6	32.6	33.5	32.7	32.4	25.4	42.7	53.3	53.4	72.3	80.3
MAX	122	90	47	70	40	54	60	58	73	70	134	129
MIN	93	44	26	22	27	22	18	25	36	37	46	53
AC-FT	6390	4200	2000	2060	1880	1990	1510	2630	3170	3280	4450	4780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	60.7	51.6	39.7	33.9	48.7	58.6	41.2	47.8	56.0	54.1	65.8	62.1
MAX	161	122	95.4	68.4	192	197	148	108	105	132	160	226
(WY)	1973	1988	1966	1969	1993	1973	1973	1992	1969	1957	1967	1986
MIN	1.84	14.0	13.5	16.1	17.9	15.7	2.23	6.79	2.60	1.19	2.69	.43
(WY)	1957	1957	1978	1978	1964	1951	1977	1977	1977	1951	1972	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1951 - 2000	
ANNUAL TOTAL	21831.0		19331			
ANNUAL MEAN	59.8		52.8		52.1	
HIGHEST ANNUAL MEAN					94.6	1973
LOWEST ANNUAL MEAN					16.2	1977
HIGHEST DAILY MEAN	188	Sep 3	134	Aug 31	1200	Aug 7 1967
LOWEST DAILY MEAN	3.9	May 19	18	Apr 20	.08	Sep 9 1977
ANNUAL SEVEN-DAY MINIMUM	6.1	May 14	19	Apr 15	.14	Sep 21 1956
INSTANTANEOUS PEAK FLOW			248	Aug 11	a3040	Aug 7 1967
INSTANTANEOUS PEAK STAGE			4.38	Aug 11	b,c7.58	Aug 7 1967
ANNUAL RUNOFF (AC-FT)	43300		38340		37760	
10 PERCENT EXCEEDS	116		95		99	
50 PERCENT EXCEEDS	45		46		39	
90 PERCENT EXCEEDS	19		26		14	

e Estimated.
a From rating curve extended above 2100 ft^3/s.
b From floodmark in gage well.
c Maximum gage height, 8.21 ft, Sep 21, 1997.

09372000 McELMO CREEK NEAR COLORADO-UTAH STATE LINE, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1977 to September 1981, August 1987 to current year.

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
OCT										
21...	1130	94	1730	8.4	7.6	860	192	91.5	76.9	1
JAN										
10...	1045	26	2870	8.4	.0	1500	315	174	173	2
MAR										
14...	1430	29	2890	8.5	12.5	1500	279	188	195	2
APR										
20...	1430	18	2750	8.3	18.2	1300	254	170	191	2
MAY										
09...	1100	56	1690	8.3	14.5	780	176	83.8	88.5	1
JUN										
13...	0945	76	1380	8.3	16.4	640	149	64.5	59.5	1
27...	1015	40	1710	8.3	19.9	800	181	84.5	81.8	1
JUL										
14...	1015	61	1540	8.4	21.6	720	166	74.3	71.4	1
AUG										
28...	1045	87	1460	8.4	20.0	740	176	73.0	64.1	1

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT									
21...	3.6	240	790	18.2	.4	9.5	1330	1.80	338
JAN									
10...	4.9	332	1540	36.2	.4	14.8	2450	3.34	176
MAR									
14...	5.3	226	1570	39.4	.3	4.7	2420	3.29	190
APR									
20...	5.6	214	1440	37.4	.3	3.8	2230	3.03	111
MAY									
09...	4.8	206	738	19.5	.4	9.5	1240	1.69	189
JUN									
13...	4.3	216	546	13.0	.4	11.3	977	1.33	201
27...	4.7	261	732	17.3	.4	13.1	1270	1.73	138
JUL									
14...	4.6	232	620	14.8	.3	13.0	1100	1.50	183
AUG									
28...	4.1	228	576	13.6	.4	13.6	1060	1.44	248

Following is a list of Transmountain Diversions no longer being published in this report. Diversions, in acre-feet, for these sites are available from the State of Colorado, Division of Water Resources.

TO PLATTE RIVER BASIN

09010000 Grand River Ditch
09012000 Eureka Ditch
09013000 Alva B. Adams Tunnel
09021500 Berthoud Pass Ditch
09022500 Moffat Water Tunnel
09046000 Boreas Pass Ditch
09047300 Vidler Tunnel
09050590 Harold D. Roberts Tunnel

TO ARKANSAS RIVER BASIN

09042000 Hoosier Pass Tunnel
09061500 Columbine Ditch
09062500 Wurtz Ditch
09063700 Homestake Tunnel
09073000 Twin Lakes Tunnel
09077160 Charles H. Boustead Tunnel
09077500 Busk-Ivanhoe Tunnel
09115000 Larkspur Ditch

TO RIO GRANDE RIVER BASIN

09118200 Tarbell Ditch
09121000 Tabor Ditch
09341000 Treasure Pass Ditch
09347000 Don LaFont Ditches 1 & 2
09348000 Williams Creek Squaw Pass Ditch
09351000 Pine River-Weminuche Pass Ditch
09351500 Weminuche Pass

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations.

LOW-FLOW PARTIAL-RECORD STATIONS

Measurements of streamflow in the area covered by this report made at low-flow, partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

DISCHARGE MEASUREMENTS MADE AT LOW-FLOW PARTIAL-RECORD STATIONS DURING WATER YEAR 2000

PINEY RIVER BASIN

Station no	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
*09058900	Moniger Creek near Minturn, CO	Lat 39°43'37", long 106°28'50", in Eagle County, on left bank 1.5 mi upstream from mouth, 7.5 mi north of Minturn.	0.76	1965-2000	10-14-99	0.05
					6-15-00	0.84
					7-19-00	0.09
					8-21-00	0.02

*-Also a crest-stage partial-record station. Several measurements of specific conductance and water temperature were obtained and are published in the "Supplemental Water-Quality Data For Gaging Stations" section of this report.

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or flood-flow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at crest-stage partial-record stations are presented in the following table. Discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

CREST-STAGE PARTIAL-RECORD STATIONS

The following table contains annual maximum discharge for crest-stage stations. A crest-stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS

			Water year 2000 maximum			Period of record maximum		
Station name and number	Location and drainage area	Period of record	Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			PINEY RIVER BASIN					
*Moniger Creek near Minturn, CO (09058900)	Lat 39°43'37", long 106°28'50", in Eagle County, on left bank 1.5 mi upstream from mouth, 7.5 mi north of Minturn. Drainage area is 0.76 mi^2.	1965-2000	5-26-00	1.64	6.43	5-21-89	2.05	29

*-Also a low-flow partial-record station.

375546107412000 IRONTON METEOROLOGICAL STATION NEAR OURAY, CO

LOCATION.--Lat 37°55'46", long 107°41'20", Ouray County, Hydrologic Unit 14020006, 0.8 mi southwest of Ironton, and 1.2 mi north of Red Mountain No. 2.

PERIOD OF RECORD.--July 1992 to current year.

GAGE.--Weighing-bucket rain gage with satellite telemetry. Elevation of gage is 10,020 ft above sea level, from topographic map.

REMARKS.--Unpublished air-temperature and rainfall data for water years 1992 and 1993 are available in district office. Daily record for air temperature is good. Daily record for precipitation is good.

EXTREMES FOR PERIOD OF RECORD.--
AIR TEMPERATURE: Maximum, 29.7°C, Oct. 9, 1997; minimum, -32.4°C, Dec. 17, 18, 1996.
PRECIPITATION: Maximum daily, 2.3 inches, Oct. 3, 1996.

EXTREMES FOR CURRENT YEAR.--
AIR TEMPERATURE: Maximum, 23.8°C, Aug. 2; minimum, -23.6°C, Jan. 6.
PRECIPITATION: Maximum daily, 0.9 inches, Feb. 29.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.6	.0	7.0	11.3	-4.6	1.0	4.9	-6.0	-.1	-4.2	-10.1	-6.9
2	13.1	-1.4	6.1	9.5	-4.9	.2	.7	-7.9	-5.0	-6.0	-14.9	-10.1
3	13.1	-1.7	5.5	10.6	-6.0	.0	-6.8	-11.3	-9.1	-13.7	-22.6	-17.1
4	14.6	-3.1	4.3	12.1	-4.6	1.3	-7.1	-17.0	-12.5	-.3	-22.6	-10.5
5	15.0	-1.4	7.7	13.5	-3.5	2.6	1.4	-16.6	-9.2	-4.2	-17.9	-10.6
6	10.2	2.1	6.7	13.9	-3.5	2.8	-1.0	-14.1	-9.1	-6.4	-23.6	-16.8
7	5.7	-1.7	.2	11.7	-2.8	2.8	-.3	-10.9	-5.4	-1.4	-15.7	-10.2
8	11.0	-3.1	2.4	11.0	-2.8	3.1	-5.3	-17.0	-9.7	-1.4	-17.9	-9.4
9	15.4	-1.4	5.3	8.8	-4.2	.8	2.5	-17.4	-8.6	-8.3	-12.1	-9.8
10	16.5	-1.0	6.2	14.6	-2.8	4.3	-3.5	-8.6	-6.6	-1.7	-9.4	-4.5
11	16.5	-1.0	6.5	12.4	-2.4	2.8	-5.3	-17.0	-11.9	4.9	-8.6	-1.2
12	16.1	-.7	6.1	13.9	-2.4	3.3	-2.1	-17.4	-10.2	.7	-7.1	-1.7
13	18.1	-1.4	6.2	13.1	-2.8	2.3	-.7	-14.1	-7.1	4.9	-9.8	-3.0
14	15.0	-1.0	5.8	15.4	-1.7	4.2	-12.1	-22.1	-17.4	8.8	-6.4	-.8
15	12.1	-1.7	4.8	13.1	-2.8	2.5	-4.2	-22.1	-14.3	8.1	-6.8	-.1
16	1.8	-8.6	-2.8	13.5	-3.1	2.9	1.1	-14.5	-7.7	8.5	-1.4	3.2
17	2.8	-11.7	-5.2	11.3	-2.1	4.0	-3.1	-14.1	-7.8	2.5	-2.1	-.2
18	6.7	-7.1	-.9	3.2	-9.4	-3.7	.7	-11.3	-5.6	3.2	-1.7	.8
19	7.8	-7.5	-1.0	7.1	-9.4	-1.9	-7.5	-19.3	-12.8	5.3	-8.3	-.1
20	9.9	-5.7	.5	5.7	-4.9	.0	-9.4	-19.3	-12.8	5.3	-8.6	-2.2
21	12.1	-4.6	1.8	.0	-9.0	-4.9	-8.6	-19.7	-14.5	1.8	-6.8	-2.6
22	13.9	-2.8	3.5	-7.1	-14.9	-10.3	-7.5	-21.1	-15.5	-2.4	-7.9	-5.8
23	14.3	-2.8	3.5	-2.8	-19.7	-13.0	6.0	-14.9	-9.3	-1.0	-17.0	-8.9
24	12.4	-2.8	3.7	-5.7	-18.3	-14.0	6.7	-11.7	-6.8	-.7	-7.5	-3.8
25	12.8	-4.6	2.3	-.3	-17.4	-8.8	5.7	-10.5	-3.5	.7	-4.6	-2.3
26	14.6	-2.4	4.1	6.7	-8.3	-2.1	4.6	-10.5	-4.5	.4	-5.7	-3.2
27	11.7	-2.1	3.1	6.7	-6.4	-.6	5.7	-11.7	-6.3	-5.7	-14.9	-8.8
28	12.4	-2.1	5.2	8.8	-5.7	.1	8.1	-8.3	-3.2	-8.3	-21.1	-15.4
29	3.9	-10.5	-3.5	10.2	-4.2	.9	4.2	-10.9	-3.6	-7.1	-22.6	-16.2
30	7.4	-11.3	-3.2	10.6	-2.8	2.6	4.9	-12.5	-6.6	-3.5	-18.8	-12.0
31	13.1	-2.8	2.8	---	---	---	2.8	-11.3	-4.8	-4.2	-12.5	-8.2
MONTH	18.1	-11.7	3.1	15.4	-19.7	-.5	8.1	-22.1	-8.4	8.8	-23.6	-6.4

375546107412000 IRONTON METEOROLOGICAL STATION NEAR OURAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	-.7	-15.3	-9.9	.4	-7.9	-3.8	-1.4	-13.3	-6.7	11.7	-4.9	2.9
2	6.4	-12.9	-4.1	-1.0	-12.9	-6.0	.4	-13.7	-6.2	15.8	-2.1	6.5
3	9.2	-9.0	-2.0	6.0	-13.7	-4.6	1.8	-10.5	-4.0	16.5	-.7	8.0
4	4.9	-7.9	-2.3	8.8	-6.8	.4	12.1	-8.6	1.5	17.7	.7	9.0
5	3.5	-10.1	-4.1	-1.7	-7.5	-4.4	10.2	-3.8	2.7	16.5	1.1	9.1
6	2.8	-11.3	-5.3	-2.1	-7.1	-4.5	9.9	-2.8	4.1	14.3	-.7	7.2
7	3.9	-12.5	-5.3	-1.0	-8.6	-4.4	7.4	-4.6	2.0	13.1	.7	6.7
8	9.5	-7.9	-.6	.0	-13.7	-6.5	11.3	-6.0	2.6	3.9	-.7	.9
9	1.1	-3.5	-1.3	-4.9	-10.9	-7.4	10.2	-3.1	4.3	11.3	-4.6	4.1
10	-.3	-4.6	-2.8	-4.2	-17.0	-10.3	8.8	-4.2	2.5	14.6	.0	9.2
11	.4	-10.5	-5.2	3.2	-17.9	-7.0	6.4	-4.9	-.3	11.3	-4.2	6.4
12	-3.8	-9.0	-5.9	1.1	-11.3	-4.2	9.5	-6.8	1.3	1.4	-7.9	-3.4
13	-4.2	-9.8	-6.8	3.5	-12.9	-5.2	11.0	-2.8	4.2	8.5	-7.1	2.1
14	5.3	-5.7	-1.2	4.9	-12.1	-3.3	7.1	-2.8	2.1	12.4	-2.1	4.9
15	2.5	-8.6	-3.0	2.1	-10.1	-3.1	-.7	-6.0	-3.3	15.0	1.8	8.8
16	3.9	-9.8	-4.0	.7	-15.3	-6.3	8.5	-8.3	1.2	12.1	3.5	8.5
17	-4.2	-11.3	-6.2	3.5	-13.7	-4.9	12.1	-2.1	5.2	4.6	-5.3	.0
18	-2.4	-15.7	-8.0	-7.1	-17.4	-12.0	7.1	-4.6	1.6	6.4	-4.6	.6
19	2.5	-16.2	-7.2	6.4	-17.0	-3.8	-1.0	-8.3	-4.7	8.1	-3.5	2.7
20	5.3	-9.4	-1.7	-1.4	-9.0	-4.3	11.0	-8.6	1.3	12.4	-1.4	5.4
21	4.6	-3.1	.5	2.5	-9.0	-4.1	11.3	-1.7	4.4	14.3	-1.0	7.1
22	-1.7	-9.8	-4.8	4.2	-8.6	-2.2	4.2	-1.7	.9	17.7	.0	9.7
23	4.6	-14.5	-4.4	3.9	-10.5	-2.6	8.1	-1.4	2.4	19.3	4.9	11.8
24	-3.8	-13.7	-6.6	6.0	-7.5	-.9	7.4	-3.8	2.7	16.9	3.9	9.7
25	-10.9	-13.7	-12.6	7.4	-7.1	-.1	12.1	-4.9	3.7	13.9	1.1	7.1
26	-.7	-20.7	-9.3	6.0	-4.6	.6	14.3	-1.0	6.3	10.2	.4	5.1
27	7.1	-9.8	-1.6	8.8	-7.9	.7	15.8	-1.0	7.2	16.1	.4	8.0
28	-.3	-9.8	-4.0	3.5	-3.8	-.8	13.1	.7	6.9	20.5	3.2	12.1
29	2.8	-9.8	-4.3	3.2	-7.5	-2.4	9.2	-.7	4.0	21.3	5.7	14.1
30	---	---	---	3.9	-8.3	-3.5	6.0	-2.4	.4	21.3	6.0	14.5
31	---	---	---	-1.7	-8.6	-6.0	---	---	---	19.7	5.3	13.6
MONTH	9.5	-20.7	-4.6	8.8	-17.9	-4.1	15.8	-13.7	1.7	21.3	-7.9	6.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	20.1	2.1	11.6	19.7	5.7	12.0	23.3	7.1	15.4	13.9	3.9	8.5
2	18.5	4.2	11.2	19.3	5.3	12.1	23.8	7.8	14.5	14.3	2.8	7.7
3	18.9	2.8	11.4	18.9	5.7	13.2	22.1	8.5	14.1	16.9	3.9	9.4
4	19.7	2.5	11.6	19.7	7.1	13.1	20.9	8.1	14.2	18.9	6.4	11.9
5	18.1	3.9	10.1	20.5	3.5	13.0	19.7	6.0	12.9	17.3	4.6	9.9
6	20.5	2.8	12.3	22.5	4.9	14.4	20.9	5.3	13.2	14.6	4.9	8.4
7	21.7	3.9	13.0	19.3	6.7	11.9	21.7	5.7	13.4	17.3	4.2	9.6
8	18.5	5.3	12.3	19.3	5.7	12.2	22.1	6.4	14.6	12.4	4.2	7.6
9	13.5	1.8	8.0	15.8	6.0	10.3	23.3	8.5	15.1	16.1	1.4	7.6
10	15.8	-.3	8.0	18.5	4.2	11.9	20.9	7.1	13.3	18.1	.4	8.6
11	17.7	1.8	9.8	20.5	6.0	11.8	20.5	6.4	13.0	16.9	.7	7.9
12	19.3	2.5	11.4	18.9	5.7	12.5	18.5	7.4	12.2	18.5	.7	8.7
13	16.5	3.9	11.5	20.9	6.7	14.5	20.1	5.7	11.0	20.1	2.5	10.3
14	17.7	-1.0	8.9	20.1	7.8	12.8	18.9	6.4	12.1	22.1	3.9	12.4
15	20.5	2.5	12.2	21.3	5.7	12.2	20.9	6.4	11.4	20.1	3.9	11.6
16	17.3	3.2	10.8	20.1	6.0	12.2	18.9	6.4	11.8	20.9	4.2	11.8
17	16.5	-2.1	7.6	18.5	7.1	11.4	18.1	5.7	10.6	19.3	4.9	10.8
18	13.5	3.5	8.8	22.1	4.6	13.2	15.0	5.7	9.0	13.9	1.1	7.0
19	16.1	4.2	9.6	22.5	3.9	13.8	16.5	5.7	10.0	16.9	.7	8.1
20	16.1	2.5	9.6	21.3	6.4	13.9	16.5	6.0	10.7	15.0	1.1	7.3
21	18.9	-.7	9.7	22.9	6.0	14.3	18.1	4.2	9.8	14.6	4.2	9.2
22	18.5	2.8	10.9	22.5	5.3	14.2	17.3	4.6	10.8	15.4	3.9	9.5
23	12.8	4.2	8.6	22.9	6.4	14.6	18.5	4.2	10.2	8.1	-3.1	3.6
24	16.5	3.2	9.4	21.3	8.1	14.4	18.9	6.0	10.5	3.2	-6.4	-2.9
25	17.7	3.2	10.8	21.3	5.7	13.6	18.1	6.4	11.2	12.8	-5.7	2.6
26	16.9	4.2	9.2	21.7	6.4	14.0	14.6	4.2	8.8	14.3	-2.4	5.5
27	15.4	3.2	8.6	21.7	8.1	13.9	18.5	4.2	10.2	15.0	-.3	6.4
28	18.5	3.2	10.5	21.7	6.7	14.6	20.5	4.9	11.3	15.4	2.1	8.1
29	17.7	6.0	12.0	22.5	7.8	15.5	18.1	7.1	12.1	12.4	2.5	6.5
30	19.3	3.9	11.2	21.7	6.7	13.6	15.4	6.0	9.7	15.4	2.1	7.3
31	---	---	---	21.7	4.9	13.6	14.3	3.2	8.3	---	---	---
MONTH	21.7	-2.1	10.4	22.9	3.5	13.2	23.8	3.2	11.8	22.1	-6.4	8.0
YEAR	23.8	-23.6	2.6									

375546107412000 IRONTON METEOROLOGICAL STATION NEAR OURAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.1
2	.0	.0	.4	.3	.0	.0	.1	.0	.0	.1	.1	.2
3	.0	.0	.3	.1	.0	.0	.1	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.1
6	.1	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.3
7	.2	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.3	.1	.3	.0	.1	.0	.4
9	.0	.0	.0	.0	.0	.3	.0	.1	.0	.2	.0	.0
10	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.1	.0
11	.0	.0	.0	.0	.1	.0	.0	.1	.0	.2	.0	.0
12	.0	.0	.0	.0	.3	.2	.0	.0	.0	.0	.6	.0
13	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.1	.0
14	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.1	.0	.0	.0	.4	.3	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17	.0	.0	.2	.0	.4	.0	.0	.0	.0	.1	.2	.0
18	.0	.0	.1	.3	.0	.3	.8	.0	.2	.0	.8	.3
19	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.1	.0	.0	.8	.0	.0	.0	.0	.1	.0
21	.0	.3	.2	.3	.0	.2	.0	.0	.0	.0	.1	.3
22	.0	.1	.0	.2	.1	.1	.0	.0	.1	.0	.1	.1
23	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.1	.1
24	.0	.0	.0	.4	.3	.0	.0	.0	.0	.0	.1	.3
25	.0	.0	.0	.6	.2	.0	.0	.0	.0	.0	.1	.0
26	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.2	.0
27	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.1	.0
28	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.4	.0
29	.2	.0	.0	.0	.9	.0	.0	.0	.0	.0	.1	.3
30	.0	.0	.0	.0	---	.0	.0	.0	.0	.0	.2	.1
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	0.5	0.4	1.8	3.0	2.8	4.5	1.1	0.5	0.4	1.1	3.9	2.6

CAL YR 1999 TOTAL 24.9
WTR YR 2000 TOTAL 22.6

375852107455200 GOVERNOR BASIN METEOROLOGICAL STATION NEAR TELLURIDE, CO

LOCATION.--Lat 37°58'52", long 107°45'52", Ouray County, Hydrologic Unit 14020006, 0.4 mi east of Stony Mountain, and 4.5 mi north of Telluride.

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Weighing-bucket rain gage with satellite telemetry. Elevation of gage is 11,150 ft above sea level, from topographic map.

REMARKS.--Unpublished air-temperature and rainfall data for water year 1993 are available in district office. Daily record for air temperature is good. Daily record for accumulated rainfall is good.

EXTREMES FOR PERIOD OF RECORD.--
AIR TEMPERATURE: Maximum recorded, 21.3°C, June 26, 1994, June 29, 1998; minimum recorded, -31.7°C, Dec. 17, 18, 1996.
PRECIPITATION: Maximum daily, 2.7 inches, Oct. 3, 1996.

EXTREMES FOR CURRENT YEAR.--
AIR TEMPERATURE: Maximum recorded, 20.1°C, July 22; minimum, -23.1°C, Jan. 3.
PRECIPITATION: Maximum daily, 2.0 inches, May 8.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	12.1	2.5	6.8	7.4	-3.5	1.0	2.5	-7.5	-1.2	-3.5	-11.7	-8.4
2	10.2	.4	5.6	7.1	-3.5	.8	-4.2	-11.7	-7.6	-8.3	-16.6	-11.9
3	9.9	.0	5.2	7.4	-4.2	-.3	-8.6	-12.5	-11.0	-16.6	-23.1	-19.2
4	11.3	-.7	4.6	8.8	-2.4	1.7	-9.4	-19.3	-14.4	-4.2	-20.7	-9.3
5	12.1	1.8	7.3	9.5	-1.7	2.4	-2.8	-12.1	-7.7	-6.0	-20.7	-12.6
6	8.1	2.5	5.5	9.5	-.7	2.8	-2.4	-13.3	-7.5	-11.3	-21.1	-16.6
7	3.5	-2.4	-.5	9.2	-.3	3.3	-5.3	-10.9	-6.9	-4.6	-13.3	-10.3
8	8.1	-3.8	2.4	7.1	-.7	3.0	-7.5	-17.0	-11.8	-6.8	-17.4	-11.7
9	13.1	.7	5.9	5.3	-3.8	-.3	-1.0	-16.6	-7.8	-10.5	-14.5	-12.5
10	15.0	1.8	6.8	11.3	.0	3.8	-5.3	-9.4	-7.7	-4.6	-10.5	-7.0
11	13.1	2.5	6.6	10.2	.4	3.8	-9.4	-17.0	-14.2	.4	-7.5	-2.8
12	13.1	2.1	6.8	12.4	1.1	4.3	-6.0	-15.7	-10.4	-3.1	-9.0	-4.4
13	13.9	2.1	6.7	9.5	1.1	3.4	-4.9	-16.6	-8.3	1.4	-9.8	-4.8
14	12.1	1.8	6.1	11.0	1.8	4.4	-16.6	-21.1	-19.4	2.5	-4.2	-1.6
15	8.5	.7	4.5	10.6	.0	3.0	-8.6	-21.1	-14.5	3.5	-3.1	.7
16	1.1	-10.5	-3.9	10.6	-.7	3.1	-1.7	-13.7	-7.2	2.8	-3.1	.6
17	-.3	-12.1	-6.2	6.7	-.7	2.5	-4.2	-12.9	-8.3	.0	-3.5	-1.8
18	3.5	-6.0	-1.7	.4	-9.0	-4.8	-1.7	-11.7	-5.9	.4	-2.1	-1.0
19	5.3	-7.9	-1.6	5.3	-7.5	-1.2	-11.7	-17.4	-14.0	.0	-6.0	-1.9
20	7.4	-4.6	.6	1.8	-6.0	-1.5	-10.9	-17.9	-13.8	2.5	-5.3	-2.0
21	8.1	-1.0	2.6	-3.8	-9.0	-5.8	-10.9	-18.8	-15.2	-2.1	-7.5	-4.5
22	11.3	.0	4.1	-9.0	-15.7	-11.6	-10.5	-19.7	-15.3	-6.0	-11.3	-8.1
23	11.7	-.3	3.7	-7.9	-19.3	-14.5	-4.2	-13.7	-9.3	-6.4	-13.7	-9.3
24	10.6	-1.0	3.5	-9.0	-17.4	-15.0	-2.8	-8.6	-6.8	-2.1	-6.8	-4.5
25	9.2	-2.4	2.4	-.7	-17.0	-7.6	1.1	-7.9	-4.0	-1.0	-4.9	-3.3
26	11.7	.4	4.2	3.2	-7.9	-2.3	-.7	-9.0	-6.2	-2.4	-7.1	-4.8
27	9.2	-.3	3.2	2.8	-4.2	-1.3	-1.7	-10.1	-6.3	-7.1	-18.3	-11.7
28	8.5	1.1	4.9	4.2	-4.2	-1.0	1.8	-4.6	-1.9	-11.3	-20.7	-17.1
29	1.8	-11.7	-5.6	5.7	-2.4	.2	.4	-7.9	-4.1	-9.8	-20.7	-15.9
30	4.6	-12.1	-2.9	6.7	-1.7	1.6	-2.8	-10.9	-7.1	-7.9	-17.0	-12.2
31	10.6	-.3	3.5	---	---	---	-.3	-7.1	-4.3	-5.7	-12.9	-9.3
MONTH	15.0	-12.1	2.9	12.4	-19.3	-.7	2.5	-21.1	-9.0	3.5	-23.1	-7.7

375852107455200 GOVERNOR BASIN METEOROLOGICAL STATION NEAR TELLURIDE, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	-7.9	-17.0	-12.0	-2.4	-7.9	-5.3	-4.6	-13.3	-8.9	8.5	-4.9	1.8
2	3.5	-8.3	-2.5	-3.8	-12.1	-7.9	-1.0	-13.3	-6.6	11.3	.4	5.9
3	3.5	-4.9	-1.7	2.5	-12.5	-4.9	.4	-10.9	-4.8	12.1	1.4	7.4
4	2.5	-6.8	-3.1	6.4	-4.9	.5	9.2	-6.0	1.8	14.3	3.9	8.1
5	.7	-7.1	-3.5	-.7	-9.8	-5.6	7.4	-2.1	2.5	13.1	3.2	8.3
6	-.3	-10.1	-5.8	-3.5	-10.1	-6.0	6.4	-1.4	2.5	11.7	1.1	6.6
7	1.1	-10.5	-5.2	-3.5	-10.1	-5.7	5.7	-5.3	.9	9.5	.0	5.4
8	5.3	-4.2	-.4	-4.2	-14.5	-8.4	8.8	-5.3	1.4	1.1	-1.7	-.3
9	.4	-4.9	-3.4	-7.5	-11.7	-9.4	7.8	-1.4	3.1	8.1	-6.8	2.6
10	-3.5	-6.0	-4.8	-7.1	-16.2	-11.9	5.3	-4.2	.6	11.3	2.8	7.8
11	-3.8	-10.1	-6.7	-1.0	-17.0	-7.7	3.9	-4.9	-2.3	7.1	-6.4	3.5
12	-4.9	-9.8	-7.5	-2.8	-10.5	-6.0	6.0	-6.0	.4	-.3	-9.4	-5.4
13	-6.8	-11.7	-9.0	1.1	-10.9	-5.4	8.1	-1.4	3.4	5.7	-7.1	.2
14	1.1	-6.8	-2.5	2.1	-7.5	-2.5	3.2	-3.1	.8	9.2	-1.4	3.4
15	-1.0	-8.3	-4.4	-.7	-12.9	-5.1	-2.4	-8.3	-4.8	11.7	1.8	8.2
16	.7	-9.0	-4.5	1.8	-14.5	-6.8	5.7	-6.8	.1	8.8	2.5	7.3
17	-4.6	-11.3	-8.1	2.1	-12.9	-5.1	9.2	.7	5.0	2.5	-7.1	-2.5
18	-4.6	-14.9	-9.4	-9.4	-16.2	-12.7	3.2	-7.9	-.3	4.6	-5.3	-1.0
19	-.3	-14.9	-6.8	2.5	-15.3	-4.0	-2.8	-9.8	-6.5	6.0	-3.5	1.4
20	2.5	-6.8	-1.9	-3.1	-9.8	-5.8	7.8	-7.5	.6	11.0	-.3	4.5
21	.4	-4.2	-1.5	-2.1	-10.1	-6.1	7.4	.4	3.8	12.1	.0	6.1
22	-3.5	-13.3	-7.0	1.1	-8.3	-3.7	3.9	-3.5	-.5	14.3	2.1	8.4
23	.7	-14.5	-5.0	.7	-9.4	-4.1	4.9	-1.7	.6	16.1	8.1	11.6
24	-4.9	-14.5	-8.3	2.1	-8.3	-2.7	4.6	-4.2	.9	14.6	5.3	8.5
25	-12.9	-15.3	-14.6	4.2	-5.7	-1.0	8.1	-3.1	2.7	12.4	1.8	6.4
26	-5.7	-20.2	-10.2	2.8	-3.8	-.6	10.6	1.8	5.9	7.1	1.8	4.9
27	5.3	-8.3	-1.6	7.1	-5.7	.1	12.1	1.8	6.8	12.4	-.3	6.9
28	-.7	-11.3	-6.0	1.8	-5.3	-2.4	9.9	1.8	6.3	17.3	5.3	11.4
29	.4	-11.3	-6.9	1.4	-10.9	-5.0	6.7	-2.4	2.2	17.7	7.4	12.2
30	---	---	---	-1.0	-10.5	-5.6	2.5	-4.2	-1.3	17.3	5.7	11.9
31	---	---	---	-3.5	-9.8	-7.8	---	---	---	16.5	6.4	11.4
MONTH	5.3	-20.2	-5.7	7.1	-17.0	-5.3	12.1	-13.3	.5	17.7	-9.4	5.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.5	4.6	10.9	15.8	6.7	11.0	---	---	---	10.2	4.6	7.7
2	15.0	5.3	10.3	15.8	6.7	11.1	---	---	---	11.3	2.5	7.3
3	14.6	6.0	10.4	15.8	5.3	11.3	---	---	---	12.4	4.2	8.4
4	16.5	4.9	11.0	15.4	3.5	10.4	---	---	---	15.8	7.1	11.5
5	16.5	5.3	9.4	17.7	4.6	11.9	---	---	---	13.9	6.0	9.7
6	17.3	4.9	11.5	18.1	5.7	12.9	---	---	---	9.9	4.2	7.4
7	18.1	7.1	12.3	16.5	7.8	10.5	---	---	---	12.8	4.2	8.6
8	14.3	4.2	10.0	15.4	6.4	10.1	---	---	---	10.2	2.5	6.3
9	10.2	2.8	6.9	13.9	5.3	9.0	19.7	8.8	13.7	13.1	2.8	7.2
10	11.7	.7	7.0	16.1	5.7	10.5	17.3	8.1	11.5	14.6	3.5	8.4
11	13.1	2.8	8.4	16.5	7.4	11.1	15.8	7.1	11.2	13.1	3.5	7.7
12	15.4	3.5	10.0	15.8	7.8	11.8	15.8	6.4	10.9	15.4	3.2	8.8
13	12.8	5.7	9.8	18.1	7.4	12.8	16.5	6.4	10.7	16.5	4.9	10.4
14	14.6	-.7	7.9	16.1	7.1	11.4	15.8	7.1	11.2	18.1	7.1	12.2
15	16.9	4.2	11.9	17.7	6.4	11.1	16.9	7.8	10.6	16.9	6.4	11.5
16	13.9	3.9	9.5	15.0	6.4	10.6	16.1	5.7	9.9	18.1	6.7	11.8
17	14.3	-1.7	7.1	14.6	6.7	9.9	16.1	5.7	9.7	15.0	4.9	10.6
18	11.7	4.2	7.7	18.5	6.7	12.7	12.1	5.3	7.8	9.2	1.1	5.0
19	12.8	3.5	8.5	19.7	6.4	13.0	13.1	4.2	9.0	15.0	1.4	7.8
20	13.5	3.5	8.8	18.9	7.1	13.2	14.3	7.1	10.2	12.4	.7	7.2
21	16.5	1.4	9.2	19.3	7.1	13.6	13.5	5.3	8.0	10.6	5.3	8.1
22	15.8	4.9	10.1	20.1	7.8	13.9	14.3	4.6	8.8	13.1	5.7	8.3
23	11.0	4.6	7.4	---	---	---	14.3	5.3	8.7	7.4	-4.9	1.5
24	12.8	3.9	6.7	---	---	---	15.8	6.0	9.0	2.1	-7.9	-4.6
25	13.9	4.6	9.3	---	---	---	14.3	6.4	9.7	12.4	-3.8	3.4
26	13.1	6.4	8.5	---	---	---	11.3	4.9	8.4	11.3	.7	5.7
27	12.1	4.2	7.6	---	---	---	13.9	5.3	9.3	11.3	1.8	5.9
28	14.6	4.2	9.3	---	---	---	16.1	5.3	10.0	12.1	3.9	7.2
29	14.6	7.1	10.8	---	---	---	13.5	6.4	10.0	10.6	.7	5.7
30	15.0	5.3	10.0	---	---	---	12.1	3.5	7.9	11.0	3.5	6.5
31	---	---	---	---	---	---	11.0	2.8	6.7	---	---	---
MONTH	18.1	-1.7	9.3	20.1	3.5	11.5	19.7	2.8	9.7	18.1	-7.9	7.4
YEAR	20.1	-23.1	1.1									

375852107455200 GOVERNOR BASIN METEOROLOGICAL STATION NEAR TELLURIDE, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.6	.0	.1	.2	.0	.0	.0	---	.0
2	.0	.0	.5	.6	.0	.2	.4	.0	.0	.1	---	.1
3	.0	.0	.4	.2	.0	.0	.1	.0	.0	.0	---	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	---	.0
5	.0	.0	.0	.2	.0	.3	.0	.0	.0	.0	---	.1
6	.1	.0	.0	.0	.0	.3	.0	.0	.0	.0	---	.5
7	.4	.0	.0	.0	.0	.6	.0	.1	.0	.0	---	.1
8	.0	.0	.2	.0	.0	.0	.0	2.0	.1	.3	---	.5
9	.0	.0	.0	.1	.2	.3	.0	.1	.0	.2	.0	.0
10	.0	.0	.3	.0	.8	.2	.0	.0	.0	.0	.3	.0
11	.0	.0	.0	.0	.5	.0	.2	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.3	.2	.0	.0	.0	.0	.3	.0
13	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0
15	.0	.0	.0	.0	.0	.2	.7	.0	.0	.4	.2	.0
16	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.5	.0
17	.0	.0	.2	.3	.3	.0	.0	.1	.0	.1	.1	.0
18	.0	.0	.1	.8	.1	.2	.0	.2	.3	.0	.9	.5
19	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
20	.0	.0	.2	.0	.0	.7	.0	.0	.0	.0	.1	.0
21	.0	.3	.2	.3	.0	.2	.0	.0	.0	.0	.4	.1
22	.0	.1	.0	.2	.3	.0	.0	.0	.0	.0	.3	.0
23	.0	.0	.0	.0	.0	.3	.0	.0	.3	---	.2	.1
24	.0	.0	.0	.4	.3	.0	.0	.0	.3	---	.5	.3
25	.0	.0	.0	1.2	.2	.0	.0	.0	.0	---	.2	.3
26	.0	.0	.0	.5	.0	.0	.0	.0	.0	---	.1	.0
27	.0	.0	.0	.2	.0	.0	.0	.0	.2	---	.1	.0
28	.0	.0	.0	.0	.3	.4	.0	.0	.0	---	.2	.0
29	.2	.0	.0	.0	.0	.0	.0	.0	.0	---	.1	.5
30	.0	.0	.0	.0	---	.5	.1	.0	.0	---	.3	.0
31	.0	---	.0	.3	---	.3	---	.0	---	---	.1	---
TOTAL	0.7	0.4	2.6	5.9	3.7	5.1	1.8	2.5	1.2	1.2	4.9	3.1

CAL YR 1999 TOTAL 31.7
WTR YR 2000 TOTAL 33.1

380102107402200 OURAY METEOROLOGICAL STATION AT OURAY, CO

LOCATION.--Lat 38°01'02", long 107°40'22", in SW$^1/_4$ sec.31,T.43 N, R.7 W., Ouray County, Hydrologic Unit 14020006, 0.4 mi southwest of post office in Ouray.

PERIOD OF RECORD.--December 1992 to current year.

GAGE.--Weighing-bucket rain gage with satellite telemetry. Elevation of gage is 7,960 ft above sea level, from topographic map.

REMARKS.--Unpublished air-temperature and rainfall data for water year 1993 are available in district office. Daily record for air temperature is good. Daily record for precipitation is good.

EXTREMES FOR PERIOD OF RECORD.--
AIR TEMPERATURE: Maximum recorded, 31.1°C, June 29, 1998; minimum recorded, -24.1°C, Dec. 17, 18, 1996.
PRECIPITATION: Maximum daily, 2.2 inches, Oct. 3, 1996.

EXTREMES FOR CURRENT YEAR.--
AIR TEMPERATURE: Maximum, 29.7°C, July 6, Aug. 1, 2; minimum, -16.6°C, Dec. 14.
PRECIPITATION: Maximum daily, 1.3 inches, May 8.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.9	7.4	13.0	13.1	1.8	5.9	10.2	-2.4	6.1	1.8	-7.1	-2.5
2	19.3	5.3	12.0	14.3	.7	5.8	1.1	-3.8	-2.0	-1.4	-10.5	-6.1
3	18.1	5.3	10.9	14.3	1.1	5.9	-2.1	-6.8	-5.2	-9.4	-16.2	-12.4
4	19.7	5.3	11.1	16.1	1.8	7.5	-2.8	-11.3	-7.9	-2.4	-15.7	-8.1
5	21.7	7.8	14.7	16.9	2.1	8.4	1.1	-12.5	-6.4	-3.8	-12.1	-6.9
6	16.5	7.8	12.5	17.3	4.2	9.4	2.1	-9.0	-4.8	-6.4	-15.3	-12.2
7	7.8	3.2	5.0	16.9	6.4	11.5	2.1	-6.0	-2.0	-.3	-13.3	-7.4
8	15.0	1.1	6.9	16.9	7.4	10.8	-3.5	-10.1	-5.8	-1.0	-12.5	-6.1
9	19.7	3.2	10.9	12.4	1.4	6.1	-1.0	-13.7	-6.9	-2.4	-6.8	-4.8
10	21.3	6.4	12.4	15.8	.0	6.4	.4	-6.8	-3.7	3.9	-2.4	.8
11	22.1	7.8	13.5	16.5	3.5	8.2	-5.7	-11.7	-8.1	10.2	.4	4.8
12	20.9	9.2	13.8	17.3	4.6	9.2	-2.1	-11.7	-7.3	5.7	-1.7	1.7
13	22.1	7.4	13.0	15.4	3.2	7.5	3.2	-10.1	-4.5	7.1	-1.4	1.8
14	20.1	7.1	12.0	17.7	.4	8.2	-7.9	-16.6	-12.4	8.8	.7	5.0
15	17.7	7.4	11.5	16.5	5.3	9.3	-.7	-14.9	-8.8	11.3	-.3	5.4
16	9.2	-3.1	2.1	18.1	4.2	9.6	.4	-9.8	-4.5	11.7	1.4	7.5
17	6.0	-7.1	-1.1	16.1	5.7	10.5	1.8	-8.6	-2.9	7.1	1.4	4.5
18	9.9	-2.4	3.0	9.5	-4.6	.8	3.5	-5.7	-1.3	5.7	1.8	3.5
19	11.7	-2.1	3.7	9.9	-6.0	.8	-3.1	-10.5	-6.6	8.1	-1.4	3.4
20	14.3	.0	5.9	10.2	-1.4	4.4	-5.3	-10.9	-7.4	7.4	-.7	2.3
21	15.4	.7	7.0	3.9	-2.8	-.7	-6.4	-11.7	-9.0	6.7	-2.4	2.5
22	17.3	2.1	8.4	-2.8	-8.6	-5.8	-3.8	-14.1	-9.5	1.4	-6.4	-2.7
23	17.7	4.6	9.5	-2.4	-12.5	-8.2	.7	-11.7	-6.1	.7	-9.0	-4.8
24	16.5	2.8	8.3	-3.5	-12.1	-8.8	3.2	-9.0	-3.9	2.5	-4.2	-.2
25	16.1	2.5	8.1	1.4	-9.4	-4.0	3.9	-7.9	-2.8	2.1	-1.0	.2
26	18.1	4.2	9.4	10.6	-3.8	2.5	3.9	-6.4	-2.5	1.4	-2.4	-.5
27	16.1	4.2	9.2	9.9	-.3	4.7	3.5	-6.8	-2.8	-2.4	-10.5	-5.0
28	18.5	3.2	10.2	11.7	-.3	4.0	6.4	-6.8	-1.0	-6.0	-12.5	-9.7
29	6.4	-3.5	.9	13.1	1.1	5.9	7.1	-3.8	.0	-3.5	-14.9	-10.0
30	9.2	-4.2	1.3	13.5	3.9	9.6	3.9	-5.7	-2.3	1.1	-12.9	-7.7
31	16.5	-.7	6.4	---	---	---	4.9	-6.4	-1.6	.0	-9.8	-4.6
MONTH	22.1	-7.1	8.6	18.1	-12.5	4.8	10.2	-16.6	-4.6	11.7	-16.2	-2.2

380102107402200 OURAY METEOROLOGICAL STATION AT OURAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	.4	-9.4	-5.6	4.9	-2.1	1.8	2.1	-5.3	-2.3	16.5	.4	8.3
2	8.5	-7.9	.1	.7	-5.7	-2.0	4.6	-5.7	-.9	22.5	4.9	12.9
3	11.3	-1.4	3.1	6.7	-7.9	-1.4	6.4	-4.9	.4	22.9	6.7	14.8
4	9.2	-2.1	2.5	12.1	-2.8	4.6	---	-1.4	---	23.8	10.2	16.7
5	6.7	-2.8	1.2	7.1	-1.0	1.8	16.5	3.5	9.1	22.9	10.6	16.9
6	6.7	-3.8	.3	3.2	-1.0	.6	15.4	4.9	9.8	20.5	10.2	15.5
7	7.4	-4.2	.3	1.1	-3.8	-1.4	12.4	2.1	7.5	20.1	5.7	14.2
8	10.2	-1.4	3.3	2.1	-7.1	-2.7	15.0	-.3	7.6	6.7	1.1	4.5
9	6.4	.0	2.7	1.4	-4.9	-2.2	16.9	4.9	10.7	17.7	.7	9.2
10	5.7	-.7	.7	.0	-7.9	-4.7	13.5	1.1	7.0	21.3	9.9	15.9
11	5.7	-2.4	.5	6.0	-9.4	-1.6	10.6	1.8	5.7	17.7	.4	11.9
12	2.5	-2.8	.0	3.5	-3.5	.2	14.3	.4	7.1	7.4	-2.4	2.0
13	.0	-3.8	-2.5	7.1	-4.9	.6	16.9	3.9	10.4	14.3	-1.0	6.9
14	7.8	-1.4	3.4	8.5	-3.5	2.3	12.8	1.8	8.5	18.1	4.2	10.7
15	6.4	-1.7	3.1	7.8	-4.9	1.1	2.8	-2.4	.2	21.7	7.4	15.5
16	7.8	-.7	3.3	4.2	-7.1	-2.1	13.9	-1.4	6.5	18.1	12.1	15.6
17	2.1	-5.7	-1.6	6.7	-6.0	-.2	18.1	4.9	11.7	12.1	.0	5.6
18	.4	-6.0	-2.6	-1.4	-8.3	-5.5	13.1	1.1	8.5	10.2	.4	4.6
19	4.2	-9.4	-3.3	10.6	-9.0	1.6	4.6	-2.1	1.2	13.9	1.4	7.1
20	9.5	-2.1	5.2	4.6	-5.7	-1.4	16.1	-1.7	6.6	17.3	5.3	10.7
21	8.8	1.1	6.2	3.5	-6.8	-2.7	17.7	7.4	11.7	20.9	4.9	12.9
22	2.1	-3.5	-.3	6.4	-3.1	.2	11.0	3.2	6.4	23.3	7.4	15.4
23	6.4	-6.4	.4	8.1	-3.1	2.2	13.1	3.2	7.3	25.5	12.1	18.2
24	2.8	-7.1	-.8	10.2	-1.4	3.8	12.1	2.8	7.5	22.1	11.7	15.9
25	-4.9	-7.9	-7.0	11.3	1.1	5.6	18.1	.7	9.5	19.3	7.8	12.7
26	3.5	-11.7	-3.8	10.2	1.1	5.0	19.7	6.0	12.4	13.9	7.1	10.2
27	11.0	-4.2	3.0	12.8	-.7	6.0	23.3	6.7	14.3	22.1	5.7	13.2
28	6.4	-4.9	1.5	6.7	-.3	3.3	18.9	8.1	13.8	26.4	10.6	18.5
29	4.6	-4.9	-.8	7.8	-2.4	2.1	14.3	3.9	10.7	27.3	13.5	21.0
30	---	---	---	6.7	-3.1	.0	12.8	1.8	5.6	26.9	12.8	21.1
31	---	---	---	-1.4	-4.9	-3.2	---	---	---	26.4	11.3	19.3
MONTH	11.3	-11.7	.4	12.8	-9.4	.4	23.3	-5.7	7.4	27.3	-2.4	12.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.1	8.1	16.8	25.1	11.7	18.7	29.7	18.1	22.9	19.7	8.5	13.4
2	24.6	12.1	18.2	24.2	12.8	18.6	29.7	16.5	22.1	20.9	8.1	14.8
3	25.1	12.8	18.4	25.1	15.0	20.4	28.2	15.8	21.2	22.1	12.1	16.5
4	25.5	11.0	18.1	26.0	10.2	19.1	26.4	15.4	21.0	24.2	14.6	18.8
5	23.3	13.9	17.6	26.4	13.9	20.4	26.9	13.9	19.9	25.1	12.8	17.2
6	26.4	14.3	19.8	29.7	15.8	21.5	26.9	13.9	20.0	18.9	10.2	14.5
7	28.2	15.8	20.7	24.2	15.8	18.8	28.2	15.4	21.3	19.3	7.4	14.0
8	23.8	10.6	18.6	24.2	11.7	17.9	28.2	15.8	21.7	18.5	8.1	12.5
9	20.5	10.2	15.1	21.7	9.9	14.6	26.0	18.1	21.7	20.9	7.8	13.8
10	21.3	7.4	15.1	24.2	11.0	17.5	26.4	17.3	20.7	24.2	9.2	16.5
11	24.2	9.9	16.6	26.4	12.4	18.5	26.9	15.0	19.8	21.3	9.5	14.8
12	24.2	10.2	18.0	25.1	13.9	19.9	23.8	12.4	18.2	23.3	8.5	15.3
13	22.5	11.0	16.5	27.3	16.5	21.7	26.0	11.7	18.2	24.6	10.2	16.8
14	22.5	5.7	14.9	26.9	11.7	18.8	24.2	13.9	18.0	26.9	12.1	18.1
15	26.0	11.0	19.1	26.4	11.0	17.5	24.6	13.1	17.6	26.0	13.5	19.2
16	23.3	8.5	16.5	24.6	10.6	16.7	23.8	11.3	16.9	27.8	14.3	19.5
17	21.7	4.2	13.4	22.9	12.4	16.7	21.3	12.8	16.9	25.5	12.1	19.1
18	18.5	9.5	14.8	27.8	12.4	20.4	19.3	9.5	13.7	19.3	7.1	11.9
19	22.1	8.8	14.4	28.7	12.4	20.9	22.1	10.2	14.3	20.9	7.4	13.4
20	21.7	9.5	15.4	26.9	15.8	21.1	22.1	12.1	16.8	18.1	6.4	12.1
21	24.2	7.4	15.8	27.8	13.5	21.3	18.1	11.7	15.0	19.7	8.5	14.2
22	24.6	11.7	18.3	28.2	15.4	21.6	22.1	11.7	16.0	21.3	9.5	15.4
23	19.7	11.7	15.6	29.2	15.8	22.6	22.1	12.4	16.7	15.4	-.3	8.8
24	23.3	10.2	15.3	26.0	17.3	21.1	24.6	13.5	17.2	5.7	-2.4	.6
25	21.7	10.2	15.0	27.3	14.3	20.7	23.3	12.4	16.9	15.8	-2.4	5.6
26	18.5	9.5	13.1	26.9	15.0	20.6	19.7	10.6	14.6	18.5	2.8	10.2
27	19.7	7.8	12.6	26.4	---	---	23.3	11.7	15.7	18.5	7.1	12.5
28	24.6	9.9	16.8	29.2	16.5	22.1	22.5	9.9	15.6	20.1	9.5	14.0
29	23.3	13.9	18.5	28.7	16.1	22.2	21.3	12.8	17.0	16.9	7.8	11.8
30	24.6	11.7	17.4	27.3	15.4	20.7	18.1	9.5	13.9	19.3	7.8	12.6
31	---	---	---	27.8	12.8	20.6	18.1	8.5	11.7	---	---	---
MONTH	28.2	4.2	16.5	29.7	9.9	19.8	29.7	8.5	17.8	27.8	-2.4	13.9
YEAR	29.7	-16.6	8.0									

380102107402200 OURAY METEOROLOGICAL STATION AT OURAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0
2	.0	.0	.5	.5	.0	.3	.2	.0	.0	.0	.0	.1
3	.0	.0	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
7	.3	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.1
9	.0	.0	.0	.0	.0	.1	.0	.1	.0	.1	.0	.0
10	.0	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
13	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
15	.0	.0	.0	.0	.0	.5	.2	.0	.0	.4	.1	.0
16	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0
17	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.0
18	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	.4	.5
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
20	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0
21	.0	.1	.2	.3	.0	.3	.0	.0	.0	.0	.2	.2
22	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
24	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2
25	.0	.0	.0	.2	.0	.0	.0	.0	.2	.0	.0	.0
26	.0	.0	.0	.5	.0	.0	.0	.0	.1	.0	.1	.0
27	.0	.0	.0	.4	.0	.0	.0	.0	.2	.0	.2	.0
28	.0	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0
29	.1	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.3
30	.0	.0	.0	.0	---	.0	.1	.0	.0	.0	.1	.0
31	.0	---	.0	.0	---	.4	---	.0	---	.0	.1	---
TOTAL	0.4	0.4	1.7	2.3	0.8	3.5	0.6	1.4	0.6	0.8	1.9	1.8

CAL YR 1999 TOTAL 22.3
WTR YR 2000 TOTAL 16.2

380251107513000 WEST FORK DALLAS CREEK METEOROLOGICAL STATION NEAR RIDGWAY, CO

LOCATION.--Lat 38°02'51", long 107°51'30", Ouray County, Hydrologic Unit 14020006, 5.2 mi north of Mears Peak.

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Weighing-bucket rain gage with satellite telemetry. Elevation of gage is 9,260 ft above sea level, from topographic map.

REMARKS.--Unpublished air-temperature and rainfall data for water year 1993 are available in district office. Daily record for air temperature is good. Daily record for precipitation is good.

EXTREMES FOR PERIOD OF RECORD.--
AIR TEMPERATURE: Maximum, 26.9°C, June 26, 1994, July 29, 1995, June 30, 1998, Aug. 2, 2000: minimum, -29.8°C, Dec. 18, 1996.
PRECIPITATION: Maximum daily, 2.8 inches, Oct. 3, 1996.

EXTREMES FOR CURRENT YEAR.--
AIR TEMPERATURE: Maximum, 26.9°C, Aug. 2; minimum, -21.6°C, Jan. 6.
PRECIPITATION: Maximum daily, 1.7 inches, Dec. 3.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.9	.0	7.6	12.8	-3.1	1.7	8.8	-2.8	3.2	-1.7	-7.5	-4.3
2	16.5	-.7	7.9	11.7	-3.8	1.0	1.1	-6.0	-3.3	-4.9	-12.1	-8.2
3	15.0	-.7	6.2	13.1	-3.5	1.2	-3.8	-8.3	-6.2	-11.7	-21.1	-15.3
4	---	---	---	13.9	-2.8	2.1	-4.9	-17.0	-10.8	3.5	-21.1	-10.3
5	---	---	---	15.8	-3.1	2.4	4.6	-17.9	-10.6	-2.4	-16.2	-8.3
6	---	---	---	15.0	-2.8	2.8	3.5	-13.7	-9.5	-6.4	-21.6	-16.2
7	---	---	---	15.0	-1.7	3.5	-1.4	-12.1	-5.0	1.1	-17.4	-10.6
8	12.4	-1.4	3.5	13.9	-1.0	7.5	-6.0	-15.3	-8.3	-1.4	-16.2	-8.8
9	17.3	-1.7	5.1	9.9	-2.4	2.4	-1.7	-17.9	-10.6	-4.2	-12.5	-7.4
10	18.9	-.7	6.2	15.4	-4.6	1.8	-3.5	-8.6	-6.1	1.1	-4.2	-1.7
11	18.5	.4	6.8	17.3	-3.5	2.2	-5.3	-16.6	-10.2	6.7	-1.0	2.4
12	18.5	-1.0	7.0	17.3	-3.5	2.5	-1.0	-15.7	-11.1	3.2	-5.3	.2
13	19.3	.0	6.6	15.8	-3.5	1.3	-2.4	-13.7	-7.4	8.5	-6.4	-2.0
14	17.3	-1.0	5.6	16.9	-3.8	2.3	-8.6	-20.7	-15.5	8.5	-6.4	-1.5
15	13.9	1.8	8.1	15.0	-2.4	2.4	-3.1	-19.7	-13.8	10.2	-2.1	3.8
16	3.2	-6.4	-1.2	16.1	-2.4	2.8	.4	-13.3	-7.5	7.8	.0	5.1
17	4.9	-10.1	-4.1	12.1	-1.4	6.4	-1.4	-13.3	-6.2	5.3	-.3	2.2
18	9.5	-5.7	.3	5.7	-8.6	-1.5	3.9	-11.3	-3.4	4.9	.7	2.6
19	9.9	-4.2	.2	10.6	-9.8	-2.2	-4.9	-14.5	-9.5	7.4	-6.0	1.7
20	13.1	-4.6	1.2	6.4	-3.1	1.8	-7.5	-14.9	-10.4	6.7	-6.4	-.7
21	14.6	-3.8	2.0	1.4	-4.6	-1.5	-6.8	-15.7	-10.9	3.9	-3.8	.3
22	16.1	-3.8	2.7	-4.6	-10.5	-7.1	-4.2	-18.3	-12.8	.4	-5.7	-2.8
23	15.8	-2.4	3.5	-1.4	-16.2	-10.2	2.8	-13.7	-9.5	.0	-12.1	-6.7
24	15.4	-2.8	3.1	-2.8	-17.0	-12.4	5.7	-12.9	-7.8	1.8	-3.5	-.8
25	15.0	-2.8	2.8	1.1	-14.5	-7.2	5.3	-12.1	-7.4	1.1	-2.4	-.4
26	16.1	-2.8	3.3	8.8	-7.1	-2.0	4.6	-12.1	-7.3	.7	-3.1	-1.3
27	14.6	-1.7	4.0	8.5	-3.8	1.6	4.6	-12.1	-7.5	-3.1	-13.7	-6.8
28	14.6	-3.1	5.3	10.6	-4.6	.3	6.7	-9.8	-5.2	-7.1	-17.4	-12.5
29	7.1	-5.7	-.6	12.4	-4.6	-.1	6.4	-10.1	-5.1	-3.5	-19.3	-14.4
30	9.2	-6.8	-1.3	13.1	-3.5	3.1	4.9	-12.1	-7.6	1.4	-19.7	-13.1
31	15.0	-3.8	2.3	---	---	---	2.8	-13.7	-7.0	-1.4	-16.2	-7.6
MONTH	19.3	-10.1	3.5	17.3	-17.0	.3	8.8	-20.7	-8.1	10.2	-21.6	-4.6

380251107513000 WEST FORK DALLAS CREEK METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	-1.4	-12.1	-8.2	2.1	-5.7	-1.5	-.7	-10.1	-4.8	13.9	-2.4	4.7
2	7.4	-12.5	-4.3	.0	-9.4	-3.3	4.2	-10.1	-3.1	18.1	-.7	7.5
3	9.5	-8.3	-2.4	5.7	-12.5	-5.4	4.2	-7.9	-2.1	20.1	.0	8.6
4	6.7	-8.3	-2.4	9.9	-9.4	-1.6	15.0	-6.4	2.7	20.1	2.1	10.5
5	5.7	-6.0	-1.0	3.5	-4.6	-1.7	13.5	3.2	7.0	20.1	1.8	11.3
6	5.7	-8.3	-3.3	3.2	-9.4	-2.7	12.1	2.8	7.4	17.7	2.8	11.9
7	7.4	-10.9	-4.5	.7	-7.1	-2.4	11.0	-1.7	4.7	16.5	4.6	10.6
8	12.4	-9.8	-.8	.7	-12.5	-5.6	13.9	-5.3	4.0	4.6	1.1	2.5
9	3.2	-1.4	1.5	-1.7	-7.5	-4.8	13.5	1.1	6.9	13.5	-1.4	5.8
10	2.1	-2.4	-.4	-2.4	-14.5	-7.8	11.3	-2.8	3.3	18.1	7.4	12.9
11	3.2	-7.1	-2.3	4.6	-15.7	-5.4	7.1	-2.8	1.6	13.5	-1.7	8.5
12	-.3	-4.9	-2.5	3.2	-7.9	-1.2	11.0	-3.1	3.0	4.6	-6.0	-1.0
13	-1.4	-7.1	-4.0	6.4	-11.3	-3.8	13.9	-2.1	5.7	11.7	-4.2	4.2
14	6.4	-4.6	1.9	8.5	-9.8	-1.4	9.2	.0	5.4	15.4	.4	7.5
15	5.3	-6.0	.7	5.3	-6.4	-.4	2.8	-3.8	-1.1	17.7	2.5	12.5
16	6.0	-7.9	-.3	2.1	-8.3	-4.6	11.0	-4.2	3.3	16.5	7.8	12.8
17	.4	-7.9	-3.7	4.9	-10.9	-4.2	15.4	4.2	9.1	7.8	-1.7	2.6
18	1.4	-12.5	-5.6	-2.8	-14.1	-8.5	9.5	-1.4	4.8	7.1	-3.1	1.6
19	3.2	-16.6	-7.8	9.2	-14.5	-2.4	2.8	-3.5	-.9	9.9	-1.7	3.2
20	9.2	-9.8	-.3	2.5	-6.8	-2.6	13.1	-6.4	2.3	15.8	-.3	6.8
21	8.1	-.3	3.6	3.5	-8.6	-3.0	13.5	-1.7	6.6	17.3	-.3	8.7
22	.0	-8.3	-2.7	4.2	-5.3	-1.0	7.1	1.4	3.2	20.5	2.5	11.3
23	6.7	-11.7	-2.4	6.7	-6.8	-.7	11.7	.4	4.5	22.5	4.9	13.4
24	.7	-9.8	-3.3	9.2	-4.2	1.0	9.9	-2.1	5.3	19.3	5.7	11.4
25	-8.3	-12.1	-10.0	9.5	-5.3	2.3	15.0	-3.8	5.2	16.9	2.8	9.5
26	2.1	-18.8	-7.6	9.2	-2.8	2.0	16.9	1.4	9.6	13.5	3.2	8.2
27	9.9	-10.1	-.9	12.1	-4.9	2.2	19.7	-.3	7.7	18.9	1.1	9.5
28	4.2	-6.4	-.7	4.6	-1.4	.7	15.4	1.1	8.8	24.2	4.6	14.9
29	2.8	-6.4	-3.1	5.3	-5.7	-.6	12.1	2.1	7.6	24.2	10.2	17.9
30	---	---	---	4.2	-4.9	-1.5	8.1	-.3	2.9	24.6	12.1	18.2
31	---	---	---	-2.4	-6.4	-4.6	---	---	---	23.3	8.1	17.1
MONTH	12.4	-18.8	-2.6	12.1	-15.7	-2.4	19.7	-10.1	4.0	24.6	-6.0	9.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.5	2.1	12.4	22.1	8.5	14.5	26.0	8.1	17.2	15.0	4.9	9.9
2	21.7	4.2	13.2	20.9	6.7	14.2	26.9	9.5	17.4	16.9	6.7	11.4
3	22.1	4.9	13.3	22.5	11.3	17.0	25.1	11.3	15.3	18.1	6.4	12.1
4	22.9	3.9	13.1	22.1	8.8	15.9	23.8	11.0	16.9	20.5	6.7	12.6
5	21.7	6.4	12.9	24.6	6.0	15.6	23.3	7.8	15.4	19.3	7.1	11.0
6	23.8	5.7	15.5	25.1	6.0	15.5	24.2	7.4	15.2	16.5	7.1	10.6
7	23.3	5.7	14.5	22.5	9.2	14.9	24.2	7.1	15.4	16.5	3.9	9.5
8	20.5	7.8	14.2	19.7	8.8	13.5	25.5	7.8	16.3	14.6	5.7	8.7
9	16.5	5.7	12.5	18.5	6.7	12.2	24.2	9.2	15.9	17.3	4.6	9.4
10	19.7	1.4	10.6	21.3	6.7	13.7	22.5	9.5	15.2	19.3	4.2	10.9
11	20.5	3.5	12.0	22.5	7.8	14.6	20.9	7.4	11.9	18.9	4.6	10.6
12	22.1	3.2	13.5	21.3	8.1	14.8	20.9	8.1	12.9	19.7	2.8	9.7
13	19.3	6.0	13.8	24.6	7.8	15.3	22.5	7.1	12.5	20.9	3.5	10.6
14	19.7	.7	10.2	22.1	7.8	14.6	21.7	6.7	12.7	21.7	4.2	12.1
15	22.9	3.9	14.8	22.9	7.8	14.8	17.7	7.8	11.4	21.7	6.0	13.3
16	20.9	4.9	13.0	22.5	7.8	12.4	21.3	8.5	13.5	23.8	5.3	12.1
17	19.3	.0	9.3	19.3	7.4	11.7	18.9	7.8	11.8	21.7	5.3	12.0
18	16.5	6.0	12.2	24.2	6.4	14.7	14.3	8.1	10.8	13.5	3.9	8.0
19	18.9	6.7	13.0	25.5	5.3	14.8	18.5	7.8	12.0	19.3	2.5	9.6
20	19.3	4.6	13.2	23.8	6.7	15.1	18.1	8.1	11.9	15.8	1.8	7.8
21	22.1	1.1	11.1	26.0	5.7	15.3	18.9	6.7	10.6	16.1	6.0	12.6
22	22.5	4.2	12.2	26.0	6.4	15.2	17.3	6.7	10.7	16.9	10.2	13.1
23	16.1	7.4	11.8	26.4	7.4	15.8	17.7	5.7	10.3	11.3	-2.1	5.9
24	19.7	5.3	10.4	23.3	9.5	16.7	16.1	7.1	9.9	1.4	-4.2	-1.7
25	20.1	4.9	11.7	25.1	8.1	15.5	14.6	7.1	10.4	12.4	-6.0	1.0
26	16.9	6.0	10.9	23.3	8.1	15.4	13.5	6.7	10.0	15.8	-2.8	4.5
27	15.0	4.2	9.6	23.3	7.8	15.7	18.1	6.4	10.6	17.3	.4	7.2
28	20.1	4.6	12.1	25.5	8.1	16.8	18.5	7.4	11.3	18.5	2.1	8.7
29	20.1	6.7	13.4	25.5	8.1	16.6	19.7	8.1	12.3	13.9	4.9	8.1
30	19.3	5.7	11.5	25.1	7.4	15.5	15.4	5.3	10.5	15.4	3.5	7.8
31	---	---	---	24.2	6.7	15.0	16.1	4.2	9.1	---	---	---
MONTH	23.8	.0	12.4	26.4	5.3	14.9	26.9	4.2	12.8	23.8	-6.0	9.3
YEAR	26.9	-21.6	4.1									

380251107513000 WEST FORK DALLAS CREEK METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.1	.0	.1	.5	.2	.0	.0	.0	.0	.0
2	.0	.0	.4	.0	.0	.4	.3	.0	.0	.0	.0	.0
3	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	---	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	---	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.4
6	---	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.4
7	---	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.1
8	.0	.0	.0	.0	.0	.0	.0	1.5	.1	.7	.0	.6
9	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0
10	.0	.0	.1	.0	.3	.1	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.0
12	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.6	.0
13	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0
14	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.2	.0
15	.0	.0	.0	.0	.0	.5	.4	.0	.0	.1	.0	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0
17	.0	.0	.0	.0	.3	.0	.0	.0	.0	.5	.1	.0
18	.0	.0	.0	.2	.0	.1	.0	.0	.2	.0	.5	.5
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
20	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.1	.0
21	.0	.1	.0	.2	.0	.3	.0	.0	.0	.0	.2	.0
22	.0	.3	.0	.0	.2	.0	.0	.0	.0	.0	.3	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
24	.0	.0	.0	.1	.2	.0	.0	.0	.1	.0	.3	.4
25	.0	.0	.0	.5	.1	.0	.0	.0	.1	.0	.3	.1
26	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.3	.0
27	.0	.0	.0	.3	.0	.0	.0	.0	.2	.0	.1	.0
28	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.2	.0
29	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.4
30	.0	.0	.0	.0	---	.3	.0	.0	.1	.0	.2	.0
31	.0	---	.0	.1	---	.5	---	.0	---	.0	.1	---
TOTAL	0.0	0.4	2.3	3.0	1.7	5.1	0.9	1.5	0.9	1.6	4.0	3.0

CAL YR 1999 TOTAL 27.6
WTR YR 2000 TOTAL 24.4

380324107444500 WHITEHOUSE CREEK METEOROLOGICAL STATION NEAR OURAY, CO

LOCATION.--Lat 38°03'24", long 107°44'45", in $NW^1/_4NW^1/_4$ sec.21, T.44 N, R.8 W., Ouray County, Hydrologic Unit 14020006, 3.0 mi north of Whitehouse Mountain, and 4.7 mi northwest of Ouray.

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Weighing-bucket rain gage with satellite telemetry. Elevation of gage is 9,480 ft above sea level, from topographic map.

REMARKS.--Unpublished air-temperature and rainfall data for water year 1993 are available in district office. Daily record for air temperature is good. Daily record for precipitation is good.

EXTREMES FOR PERIOD OF RECORD.--
AIR TEMPERATURE: Maximum recorded, 27.3°C, June 29, 1998; minimum recorded, -29.8°C, Dec. 17, 18, 1996.
PRECIPITATION: Maximum daily, 2.5 inches, Oct. 3, 1996.

EXTREMES FOR CURRENT YEAR.--
AIR TEMPERATURE: Maximum, 26.4°C, July 21, 23, Aug. 1, 2; minimum, -20.7°C, Jan. 3, 6.
PRECIPITATION: Maximum daily, 1.2 inches, Dec. 3, May 8.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.1	1.8	8.5	12.8	-3.5	1.9	7.1	-4.6	.3	-3.5	-12.5	-6.0
2	15.8	.7	8.5	12.1	-3.5	1.5	1.4	-6.8	-4.2	-4.2	-13.3	-9.8
3	14.6	.4	6.9	12.8	-3.5	1.4	-4.6	-9.8	-7.7	-10.1	-20.7	-15.6
4	16.5	-1.0	5.9	14.6	-2.4	2.7	-5.7	-15.3	-11.1	2.1	-20.2	-9.1
5	18.5	.0	7.9	14.3	-2.8	2.9	-.3	-15.3	-9.7	-4.6	-17.4	-9.8
6	12.4	2.8	8.5	15.8	-2.1	3.6	-.3	-13.7	-9.1	-6.8	-20.7	-15.3
7	3.9	-.7	.9	14.6	-1.0	4.4	-.3	-11.3	-5.4	1.1	-14.9	-9.9
8	12.1	-2.1	3.5	12.8	-.3	5.0	-7.5	-15.3	-9.5	-3.1	-15.7	-8.9
9	17.3	-.7	6.1	9.5	-3.5	1.6	-2.1	-16.6	-9.6	-6.4	-12.9	-8.9
10	18.5	.4	7.1	15.0	-3.8	2.7	-3.5	-8.6	-6.7	2.8	-7.5	-1.6
11	18.9	1.4	8.0	15.8	-1.7	3.3	-4.9	-15.7	-11.2	7.4	-2.8	2.8
12	18.1	1.1	7.6	16.9	-1.7	3.8	-2.8	-15.3	-10.8	4.2	-5.7	-.7
13	18.9	1.1	7.6	16.5	-1.7	3.1	-.3	-12.9	-7.5	6.0	-7.1	-3.1
14	18.1	.0	6.7	17.3	-1.7	4.2	-9.4	-19.7	-16.0	9.2	-6.4	-2.0
15	13.9	2.1	7.5	15.4	-1.4	3.4	-3.1	-19.3	-12.9	9.9	-4.6	2.7
16	3.2	-7.1	-1.8	15.8	-2.1	4.1	.4	-12.5	-6.8	9.2	-1.4	4.3
17	4.2	-9.8	-4.0	12.8	-.3	5.8	-.3	-12.5	-6.4	4.2	-1.4	.9
18	7.1	-4.9	.0	3.5	-7.9	-2.7	1.4	-10.5	-5.5	4.9	-.3	2.3
19	9.5	-4.9	.4	8.8	-8.6	-1.5	-5.7	-14.9	-10.3	6.4	-6.0	.3
20	12.1	-3.8	1.6	8.5	-4.6	.5	-8.3	-16.2	-11.1	4.2	-6.4	-1.7
21	13.9	-3.5	2.6	-.3	-5.7	-3.6	-8.6	-17.0	-12.4	4.9	-4.6	-1.0
22	15.8	-2.4	4.0	-5.7	-11.3	-8.6	-5.7	-18.8	-13.2	-.3	-6.8	-4.0
23	15.8	-1.7	4.1	-1.4	-17.0	-10.9	.0	-12.9	-8.6	.0	-13.3	-7.7
24	14.6	-2.4	3.5	-1.4	-17.0	-12.6	4.9	-11.3	-7.2	-.3	-6.8	-2.6
25	13.9	-2.8	3.2	-.7	-15.3	-7.7	3.9	-10.1	-4.2	.7	-3.5	-1.7
26	16.9	-1.4	4.4	7.1	-6.8	-2.1	2.1	-10.5	-5.6	1.1	-4.6	-2.8
27	14.3	-1.0	4.1	7.8	-4.9	-.5	2.5	-10.5	-6.1	-4.6	-14.5	-7.8
28	13.9	-2.4	5.6	10.6	-5.7	-.8	5.3	-7.1	-3.1	-9.0	-17.4	-13.2
29	5.7	-7.5	-2.4	12.4	-4.2	-.5	4.9	-9.0	-4.0	-1.7	-19.3	-14.6
30	9.2	-7.9	-1.4	12.8	-2.8	1.2	3.5	-10.5	-6.6	-1.4	-17.9	-12.4
31	15.8	-2.1	3.1	---	---	---	3.2	-11.7	-6.2	-2.8	-15.3	-8.0
MONTH	18.9	-9.8	4.1	17.3	-17.0	.2	7.1	-19.7	-8.0	9.9	-20.7	-5.3

380324107444500 WHITEHOUSE CREEK METEOROLOGICAL STATION NEAR OURAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	-.3	-12.5	-8.5	2.8	-7.9	-3.0	-.7	-10.9	-5.5	13.5	-2.8	4.5
2	6.7	-10.5	-3.9	-.7	-10.9	-4.8	4.6	-10.9	-3.8	18.9	-.3	7.9
3	9.9	-7.9	-2.0	5.7	-13.3	-5.0	4.6	-9.4	-2.2	19.7	.7	9.2
4	6.0	-8.3	-2.7	10.6	-8.3	-.2	14.3	-6.0	3.1	20.1	2.1	10.2
5	6.7	-8.6	-3.2	2.1	-10.1	-3.1	13.5	-1.0	6.8	19.3	1.1	9.7
6	4.9	-9.0	-4.1	1.1	-10.9	-4.0	12.8	1.8	7.2	16.9	1.1	9.8
7	7.1	-10.1	-4.2	-1.0	-7.1	-3.7	9.2	-2.8	4.5	16.5	3.2	10.3
8	11.3	-8.3	-.9	-.7	-12.5	-6.6	11.7	-5.3	3.0	5.3	.0	1.9
9	1.8	-2.1	-.4	-1.4	-9.0	-5.6	14.3	-.7	6.6	13.9	-2.4	6.1
10	2.1	-5.7	-1.8	-3.5	-14.9	-9.0	9.2	-3.1	2.9	17.3	2.5	11.7
11	2.8	-8.6	-3.4	4.9	-15.7	-5.5	7.1	-3.1	1.1	13.1	-3.5	8.0
12	-1.7	-8.6	-4.2	1.8	-9.0	-2.9	11.3	-4.2	3.0	4.9	-6.4	-1.8
13	-3.5	-7.1	-5.4	5.3	-10.9	-3.7	14.6	-1.7	5.7	10.2	-4.6	3.2
14	6.7	-5.3	.2	7.1	-9.0	-1.7	9.2	-.7	5.5	15.0	-.3	6.4
15	5.3	-6.8	.3	4.2	-7.5	-1.8	2.5	-5.7	-2.0	17.3	2.8	10.6
16	6.4	-7.9	-1.2	2.1	-9.0	-4.9	11.0	-5.7	2.7	15.0	6.7	11.2
17	.0	-10.1	-4.1	6.7	-11.3	-4.7	15.0	-1.7	7.2	7.4	-2.8	2.4
18	-1.7	-12.5	-6.9	-1.7	-14.5	-9.3	8.5	-2.8	4.7	6.4	-2.4	.9
19	2.5	-15.7	-7.5	8.5	-14.5	-2.2	1.1	-5.3	-2.1	11.3	-2.4	3.4
20	8.8	-8.6	.3	1.4	-8.3	-3.5	12.4	-5.3	2.5	14.3	.7	6.7
21	8.5	-1.7	3.0	3.9	-9.8	-3.6	13.1	-.7	6.7	16.9	.4	8.7
22	-1.0	-7.9	-3.5	3.5	-5.7	-1.5	7.1	.0	2.8	20.5	2.5	11.1
23	6.0	-11.7	-3.3	5.7	-7.1	-1.0	10.6	.0	3.9	22.5	5.7	13.9
24	.0	-10.5	-3.9	7.4	-5.7	.5	10.2	-2.1	4.3	18.1	5.7	11.0
25	-8.3	-12.9	-10.9	8.8	-5.7	1.0	14.6	-3.5	5.0	16.5	2.8	8.4
26	.7	-17.9	-7.6	7.4	-3.1	2.1	16.1	1.1	7.8	11.7	2.5	6.7
27	9.5	-9.4	.3	10.6	-5.3	2.1	18.1	.4	8.2	17.7	1.1	9.4
28	2.5	-7.5	-1.9	3.5	-2.8	-.2	15.4	2.1	8.4	22.5	5.7	14.0
29	2.5	-7.5	-3.8	4.6	-7.5	-.9	11.0	.4	6.4	23.3	9.2	17.1
30	---	---	---	3.9	-6.4	-2.7	7.8	-1.7	1.8	24.2	7.8	16.6
31	---	---	---	-1.7	-7.5	-5.5	---	---	---	22.5	6.7	14.5
MONTH	11.3	-17.9	-3.3	10.6	-15.7	-3.1	18.1	-10.9	3.5	24.2	-6.4	8.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	20.1	3.5	12.4	21.3	7.8	13.7	26.4	9.9	17.3	14.3	5.7	10.0
2	20.5	5.7	13.0	19.3	8.5	13.6	26.4	11.0	18.0	16.1	5.7	10.2
3	21.7	6.7	13.3	20.1	11.3	15.5	23.8	11.3	16.4	19.3	5.3	11.8
4	21.3	5.3	13.2	21.7	6.0	14.0	22.1	10.2	15.0	22.5	7.1	14.3
5	20.1	7.1	11.8	23.3	6.0	14.4	22.9	8.5	15.0	21.3	8.5	12.6
6	22.5	6.4	14.2	23.3	7.4	15.1	23.8	8.5	15.1	17.7	7.1	11.0
7	24.2	7.8	14.8	20.1	9.5	13.0	25.1	8.8	15.7	17.7	4.6	9.9
8	18.9	7.1	13.3	17.7	8.5	12.1	25.5	9.5	15.9	17.3	5.3	9.4
9	16.5	4.9	11.3	16.5	7.4	11.5	23.3	10.6	16.2	18.1	4.9	10.3
10	18.5	2.5	10.3	19.7	6.7	12.4	22.9	10.2	14.0	19.7	4.9	11.1
11	18.9	4.2	11.3	19.7	8.5	14.0	20.9	9.2	12.1	18.9	4.2	10.5
12	19.7	4.9	13.0	22.1	8.8	14.3	20.9	8.5	13.4	20.1	4.6	10.9
13	19.7	7.1	13.2	22.1	8.8	15.0	21.7	8.5	13.7	22.1	5.7	12.0
14	17.3	1.8	10.0	22.5	9.2	14.2	20.5	8.5	12.7	23.8	7.1	13.2
15	22.5	5.7	14.5	23.3	7.8	14.2	20.9	8.8	12.9	20.9	7.8	13.5
16	19.3	5.3	12.5	20.1	7.8	12.7	21.7	8.8	13.3	22.1	7.4	13.7
17	16.9	.0	9.1	19.3	8.5	12.5	16.5	8.5	11.2	20.1	8.5	13.7
18	16.1	7.1	10.4	24.2	7.8	15.1	15.0	7.8	10.4	13.1	4.2	7.9
19	17.3	6.0	11.8	25.5	7.1	15.5	18.5	6.7	11.3	17.7	3.5	9.7
20	18.5	5.3	12.3	23.3	8.5	15.6	18.5	8.5	11.8	15.4	2.8	8.7
21	20.9	2.5	11.3	26.4	8.5	16.2	15.0	7.8	10.6	16.9	5.3	12.5
22	19.3	6.0	12.3	25.1	8.5	16.2	18.5	6.4	10.4	17.7	6.4	11.9
23	15.8	6.4	10.3	26.4	9.5	16.9	18.1	6.0	10.4	11.3	-2.8	5.4
24	17.3	5.3	9.7	21.7	11.0	15.7	16.1	8.5	10.8	1.4	-5.3	-2.4
25	18.5	4.9	10.8	25.1	8.8	15.7	16.9	8.5	11.3	12.4	-4.6	1.2
26	14.3	5.7	9.6	22.1	9.2	15.1	15.4	6.4	10.4	15.4	-1.4	5.2
27	14.6	4.6	8.8	23.8	9.9	15.6	18.5	7.4	11.4	17.7	1.8	7.5
28	18.9	4.9	11.2	25.5	9.9	16.7	19.3	7.8	11.8	17.7	3.5	8.9
29	18.9	7.1	12.8	25.5	10.2	17.4	16.5	8.5	11.9	15.4	4.2	8.1
30	19.7	6.7	11.8	23.3	9.5	16.0	14.6	6.4	10.6	16.1	3.5	8.5
31	---	---	---	22.9	8.5	15.7	13.9	4.9	8.6	---	---	---
MONTH	24.2	.0	11.8	26.4	6.0	14.7	26.4	4.9	12.9	23.8	-5.3	9.7
YEAR	26.4	-20.7	3.8									

380324107444500 WHITEHOUSE CREEK METEOROLOGICAL STATION NEAR OURAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.2	.1	.1	.3	.2	.0	.0	.0	.0	.0
2	.0	.0	.5	.4	.0	.4	.3	.0	.0	.0	.0	.1
3	.0	.0	1.2	.4	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
6	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.2
7	.1	.0	.0	.0	.0	.8	.0	.1	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.2	.0	.3
9	.0	.0	.0	.0	.0	.1	.0	.0	.0	.5	.0	.0
10	.0	.0	.2	.0	.3	.1	.0	.0	.0	.0	.1	.0
11	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.1	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
13	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.7	.4	.0	.0	.1	.0	.0
16	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	.0
17	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.1	.0
18	.0	.0	.0	.1	.0	.1	.0	.3	.1	.0	.2	.6
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
20	.0	.0	.1	.0	.0	.6	.0	.0	.0	.0	.0	.0
21	.0	.4	.2	.3	.0	.2	.0	.0	.0	.0	.2	.1
22	.0	.5	.0	.0	.3	.0	.0	.0	.0	.0	.3	.1
23	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2
24	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.1	.3
25	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
26	.0	.0	.0	.7	.0	.0	.0	.0	.3	.0	.1	.0
27	.0	.0	.0	.6	.0	.0	.0	.0	.2	.0	.0	.0
28	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	.1	.0
29	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.4
30	.0	.0	.0	.0	---	.5	.0	.0	.0	.0	.1	.0
31	.0	---	.0	.1	---	.5	---	.0	---	.0	.0	---
TOTAL	0.5	0.9	2.7	3.2	1.5	4.8	0.9	1.6	0.8	0.9	2.3	2.7

CAL YR 1999 TOTAL 26.5
WTR YR 2000 TOTAL 22.8

380436107411500 PORTLAND METEOROLOGICAL STATION NEAR OURAY, CO

LOCATION.--Lat 38°04'36", long 107°41'15", in SE$^1/_4$NW$^1/_4$ sec.12, T.44 N, R.8 W., Ouray County, Hydrologic Unit 14020006, 4 mi north of Ouray, and 8.6 mi east of Black Lake.

PERIOD OF RECORD.--May 1992 to current year.

GAGE.--Weighing-bucket rain gage with satellite telemetry. Elevation of gage is 8,080 ft above sea level, from topographic map.

REMARKS.--Unpublished air-temperature and precipitation data for water years 1992 and 1993 are available in district office. Daily record for air temperature is good. Daily record for precipitation is good.

EXTREMES FOR PERIOD OF RECORD.--
AIR TEMPERATURE: Maximum, 31.1°C, June 26, 1994; minimum, -23.6°C, Dec. 17, 18, 1996.
PRECIPITATION: Maximum daily, 2.3 inches, Oct. 3, 1996.

EXTREMES FOR CURRENT YEAR.--
AIR TEMPERATURE: Maximum, 30.6°C, July 23, Aug. 1; minimum, -14.9°C, Dec. 14, Jan. 4, 6.
PRECIPITATION: Maximum daily, 1.2 inches, May 8.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.5	8.5	13.9	13.1	2.8	7.3	11.3	-2.8	5.5	.0	-7.1	-2.6
2	19.3	6.4	13.0	14.3	1.1	7.0	1.1	-4.9	-1.8	-2.8	-10.9	-6.4
3	18.9	6.0	11.8	14.6	3.5	7.8	-3.8	-7.1	-5.4	-8.6	-14.5	-12.2
4	20.1	6.4	12.4	16.5	4.6	9.5	-3.1	-11.3	-7.7	-1.0	-14.9	-7.5
5	21.7	8.5	14.8	17.3	4.9	10.3	3.9	-11.3	-4.5	-3.1	-12.1	-6.9
6	18.1	8.1	12.9	17.3	6.4	10.7	2.5	-7.9	-2.8	-6.0	-14.9	-11.3
7	8.1	2.8	5.0	18.5	8.8	12.9	2.8	-6.0	-1.4	1.1	-12.5	-6.5
8	16.1	2.1	7.8	16.1	7.8	11.5	-4.2	-9.0	-6.3	-1.0	-11.7	-6.0
9	20.5	5.3	12.2	12.1	3.2	7.0	-.7	-12.1	-6.5	-1.7	-7.5	-5.0
10	21.7	8.8	14.2	15.4	2.8	7.9	-1.0	-7.1	-4.4	4.2	-1.7	1.2
11	22.1	9.9	15.0	16.5	5.3	9.9	-2.8	-11.3	-8.0	11.0	1.8	5.8
12	21.3	9.5	15.0	17.3	5.7	10.1	-.7	-10.9	-6.2	5.3	-.7	2.2
13	22.5	8.8	14.2	15.4	4.6	8.7	1.4	-10.9	-3.8	7.8	-1.4	2.5
14	20.1	8.8	13.7	17.3	3.9	9.6	-7.5	-14.9	-12.0	10.6	.7	4.5
15	17.7	8.8	13.0	16.9	6.7	10.6	-1.7	-14.5	-8.0	12.4	1.8	7.0
16	8.8	-3.8	2.1	18.1	6.4	11.0	1.1	-8.3	-3.8	12.8	1.8	7.3
17	6.0	-7.9	-1.2	17.7	8.5	11.4	2.1	-6.0	-1.8	7.1	1.8	4.6
18	9.5	-2.4	3.3	8.8	-4.2	.5	3.9	-5.3	-1.1	8.1	1.8	4.9
19	12.1	-1.4	4.4	9.5	-4.9	1.7	-3.1	-8.6	-6.3	9.2	.4	5.4
20	14.3	1.8	6.8	12.1	.0	4.8	-4.9	-10.5	-7.0	7.1	.4	3.3
21	16.1	3.2	8.4	4.2	-3.1	-.4	-4.9	-12.1	-8.5	9.2	-2.4	2.8
22	17.3	4.6	9.8	-3.1	-9.0	-5.9	-3.1	-13.3	-8.6	.4	-4.2	-2.1
23	17.7	5.7	10.4	-2.8	-12.1	-7.9	.0	-10.1	-5.1	1.1	-7.9	-3.5
24	17.3	6.0	9.9	-3.8	-11.7	-8.5	2.5	-6.8	-2.7	2.1	-2.8	-.3
25	16.1	4.6	9.3	1.4	-9.0	-3.3	3.5	-4.9	-1.8	2.5	-1.0	.3
26	18.5	6.7	10.9	11.3	-1.7	4.7	3.9	-5.7	-1.5	2.5	-2.4	-.4
27	16.1	6.4	10.3	9.5	2.5	5.7	2.8	-5.7	-1.6	-1.0	-9.8	-4.9
28	18.5	6.0	11.0	12.1	1.4	5.2	6.0	-3.8	1.0	-4.9	-11.7	-9.4
29	8.5	-2.4	.8	13.1	3.2	7.0	7.4	-2.8	1.6	-3.5	-13.7	-9.3
30	8.5	-2.4	2.5	14.3	4.9	8.2	3.5	-3.5	-1.0	.0	-11.7	-6.6
31	16.1	1.4	7.9	---	---	---	6.0	-3.5	.0	-1.0	-8.3	-4.4
MONTH	22.5	-7.9	9.5	18.5	-12.1	5.8	11.3	-14.9	-3.9	12.8	-14.9	-1.7

380436107411500 PORTLAND METEOROLOGICAL STATION NEAR OURAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	-7.5	-5.5	5.3	-2.4	.9	3.9	-5.7	-1.6	18.1	1.1	9.2
2	8.8	-7.1	1.6	.7	-4.2	-2.0	6.7	-4.2	.0	22.5	7.4	14.6
3	12.4	1.1	5.7	7.4	-6.0	.5	8.1	-5.3	.9	23.8	10.2	16.8
4	8.1	-.3	3.4	12.8	-.7	6.0	16.9	1.8	9.1	25.1	12.8	18.1
5	7.4	-1.7	1.9	6.7	-3.1	2.1	17.3	7.1	11.5	23.8	12.1	17.8
6	7.1	-1.7	1.5	4.6	-4.9	-.1	15.4	8.1	11.3	22.1	9.2	15.6
7	7.4	-2.4	1.3	.7	-3.5	-1.6	12.8	3.9	8.8	22.5	5.3	14.3
8	10.2	-1.0	4.4	1.1	-5.7	-2.3	15.0	.7	8.3	7.4	2.5	4.4
9	5.7	-.3	2.4	1.4	-4.9	-2.5	17.3	7.4	12.2	18.5	.7	9.4
10	6.4	-.7	1.5	.0	-6.8	-4.5	13.5	2.5	7.4	21.7	10.2	16.4
11	4.2	-2.4	.5	6.7	-7.5	-.6	11.0	2.1	5.9	18.1	-.3	11.9
12	2.8	-3.1	.3	4.9	-2.8	.5	15.4	1.8	8.4	8.5	-3.8	2.0
13	.0	-3.5	-2.1	7.8	-2.8	2.2	18.1	6.0	11.6	14.6	-.7	7.0
14	6.7	-1.0	3.4	9.2	-1.4	3.8	14.3	1.1	8.8	17.7	6.0	11.9
15	6.4	-1.0	3.5	7.8	-5.3	1.8	4.6	-2.4	.7	21.7	9.9	15.6
16	8.8	-1.7	3.5	4.9	-6.8	-2.2	15.0	.7	8.0	19.3	10.6	16.3
17	2.5	-5.3	-1.2	7.4	-4.6	.4	18.9	5.7	12.1	10.6	.4	6.1
18	1.1	-5.7	-2.5	.7	-7.5	-4.4	13.9	.7	8.8	10.6	1.8	4.6
19	4.2	-8.6	-2.4	9.9	-6.4	2.5	3.9	-2.8	1.1	15.4	1.1	7.8
20	11.7	-3.1	4.2	4.6	-6.0	-1.8	16.1	-1.7	7.0	18.1	7.1	11.9
21	10.6	1.1	6.6	3.2	-7.1	-2.8	17.3	6.7	11.5	21.3	8.1	14.2
22	2.1	-2.8	-.4	7.4	-3.8	.2	10.2	2.8	6.7	24.2	9.9	17.1
23	6.4	-6.8	.4	8.5	-2.4	3.1	13.9	2.8	7.7	26.4	14.3	20.0
24	3.2	-8.3	-1.2	9.2	.7	4.6	13.5	3.9	8.6	20.9	12.1	16.5
25	-5.7	-8.3	-7.3	11.3	1.8	6.4	18.5	2.8	10.5	20.5	9.5	13.0
26	2.5	-11.7	-3.9	11.3	2.8	6.3	20.1	8.5	14.1	16.5	8.5	11.7
27	12.4	-3.5	3.9	13.1	1.4	7.6	23.3	9.2	15.8	22.5	6.7	14.6
28	6.7	-5.3	1.5	7.1	-.7	3.6	20.1	12.8	15.9	27.3	13.5	20.3
29	6.0	-5.3	-.4	7.1	-4.2	2.2	16.1	3.9	11.0	28.2	18.1	22.9
30	---	---	---	7.1	-3.5	.2	13.1	1.4	5.6	28.7	15.4	22.3
31	---	---	---	.4	-5.3	-3.1	---	---	---	27.3	15.0	20.7
MONTH	12.4	-11.7	.8	13.1	-7.5	.9	23.3	-5.7	8.3	28.7	-3.8	13.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.0	9.5	17.7	25.5	12.8	18.9	30.6	15.8	22.9	18.1	9.9	13.6
2	25.1	13.5	19.4	23.8	13.5	18.3	29.7	16.9	22.7	22.1	8.5	15.3
3	24.6	13.5	19.3	26.4	15.0	20.4	28.7	16.9	21.6	24.6	11.3	16.7
4	26.4	12.1	19.3	26.0	11.7	18.9	28.7	15.8	20.1	26.0	13.1	18.9
5	23.8	16.1	18.4	28.2	12.8	20.4	27.8	13.9	20.2	26.4	13.9	18.2
6	26.9	15.0	20.8	29.2	14.6	21.2	28.2	13.9	20.8	18.1	9.2	14.2
7	27.8	14.3	20.8	25.1	15.4	18.7	28.7	16.9	21.9	21.7	8.1	13.9
8	24.6	10.6	18.7	22.5	11.3	16.8	29.7	15.8	21.9	20.5	7.4	13.3
9	22.1	10.6	15.3	19.7	9.5	14.0	28.2	17.7	21.8	22.1	9.9	15.1
10	22.5	7.4	15.3	23.3	10.6	17.0	27.3	16.1	20.7	25.1	12.4	17.1
11	23.8	11.0	16.9	26.4	14.3	19.4	25.5	15.8	19.1	22.1	11.7	16.2
12	25.5	12.4	18.4	25.5	16.1	20.5	25.5	12.4	18.7	24.2	11.3	16.7
13	23.8	12.4	17.5	27.8	14.6	21.4	26.4	12.4	18.8	26.4	11.3	17.9
14	22.5	5.7	14.7	27.3	12.1	18.5	25.1	13.5	18.1	27.3	12.4	19.1
15	26.0	12.1	19.3	26.4	12.1	18.0	24.6	13.1	18.3	27.3	15.8	20.2
16	23.8	9.2	16.6	23.8	10.6	16.6	25.1	11.7	17.9	27.8	15.0	20.4
17	22.1	3.9	13.1	22.1	12.4	16.9	22.1	14.3	17.2	25.5	13.9	19.6
18	18.9	9.5	14.4	28.2	14.6	21.3	19.7	11.0	14.0	19.3	7.4	12.5
19	21.7	8.8	14.3	28.7	13.5	21.5	23.3	11.7	16.1	22.5	8.8	15.1
20	22.9	8.8	16.0	28.2	16.1	21.7	22.1	12.8	16.9	19.3	7.1	13.0
21	25.5	7.8	16.2	29.7	15.4	22.4	21.3	12.4	16.1	22.1	7.8	15.7
22	24.6	13.1	18.4	29.2	15.0	22.4	22.5	12.1	15.8	22.5	11.3	16.5
23	20.1	11.3	16.1	30.6	18.1	23.6	23.8	11.3	17.0	15.0	-.7	8.8
24	22.9	9.9	14.7	27.3	16.9	21.6	23.3	13.5	17.7	4.9	-2.8	.2
25	22.5	11.0	15.7	28.7	14.3	20.6	24.2	12.8	17.2	16.1	-2.8	6.1
26	18.9	9.9	13.6	28.2	14.3	20.5	19.3	12.4	15.9	19.3	5.3	11.5
27	21.3	8.5	13.0	27.8	15.4	21.5	23.8	11.7	15.9	20.5	8.8	13.7
28	23.8	10.2	16.8	30.1	16.9	23.0	23.3	11.0	15.9	20.9	10.2	14.8
29	24.2	13.9	18.4	29.7	15.8	22.5	20.9	13.1	16.7	18.9	8.1	12.0
30	24.2	12.4	17.5	28.2	14.6	21.0	18.1	9.2	13.7	20.5	9.5	14.1
31	---	---	---	28.2	13.5	21.0	17.7	8.1	12.1	---	---	---
MONTH	27.8	3.9	16.9	30.6	9.5	20.0	30.6	8.1	18.2	27.8	-2.8	14.7
YEAR	30.6	-14.9	8.6									

380436107411500 PORTLAND METEOROLOGICAL STATION NEAR OURAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.2	.1	.0	.0	.2	.0	.0	.0	.0	.0
2	.0	.0	.5	.2	.0	.3	.1	.0	.0	.3	.0	.0
3	.0	.0	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.1	.0	.0	.0	.0	.7	.0	.1	.0	.0	.0	.1
8	.0	.0	.0	.0	.0	.0	.0	1.2	.1	.2	.0	.1
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0
10	.0	.0	.2	.0	.3	.1	.0	.0	.0	.0	.0	.0
11	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
13	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
15	.0	.0	.0	.0	.0	.6	.0	.0	.0	.3	.1	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.3	.5
19	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
20	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.1	.0
21	.0	.3	.2	.3	.0	.2	.0	.0	.0	.0	.1	.0
22	.0	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
25	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.5	.0	.0	.0	.0	.1	.0	.1	.0
27	.0	.0	.0	.4	.0	.0	.0	.0	.3	.0	.2	.0
28	.0	.0	.0	.0	.0	.2	.0	.0	.1	.0	.2	.0
29	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3
30	.0	.0	.0	.0	---	.4	.0	.0	.0	.0	.1	.0
31	.0	---	.0	.0	---	.4	---	.0	---	.0	.3	---
TOTAL	0.2	0.5	2.3	2.1	0.8	3.4	0.3	1.7	0.8	1.8	2.1	1.4

CAL YR 1999 TOTAL 23.7
WTR YR 2000 TOTAL 17.4

380844107512200 PLEASANT VALLEY METEOROLOGICAL STATION NEAR RIDGWAY, CO

LOCATION.--Lat 38°08'44", long 107°51'22", in $SE^1/_4SE^1/_4$ sec.16, T.45 N, R.9 W., Ouray County, Hydrologic Unit 14020006, 5.3 mi west of Ridgway.

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Weighing-bucket rain gage with satellite telemetry. Elevation of gage is 7,530 ft above sea level, from topographic map.

REMARKS.--Daily record for air temperature is good. Daily record for precipitation is good.

EXTREMES FOR PERIOD OF RECORD.--
AIR TEMPERATURE: Maximum recorded, 30.6°C, Aug. 13, 1996, and June 29, 30, and July 20, 1998; minimum recorded,-25.7°C, Dec. 18, 1996.
PRECIPITATION: Maximum daily, 3.1 inches, July 31, 1999.

EXTREMES FOR CURRENT YEAR.--
AIR TEMPERATURE: Maximum, 30.1°C, Aug. 9; minimum, -19.7°C, Dec. 14.
PRECIPITATION: Maximum daily, 1.3 inches, May 8.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.9	6.4	13.9	14.6	-2.4	5.4	13.1	-.3	6.5	1.8	-4.2	-1.7
2	19.7	2.1	11.9	14.6	-3.8	4.7	2.5	-3.1	-.5	-1.7	-9.0	-5.1
3	18.1	2.1	11.0	15.0	-3.1	4.9	-2.8	-5.7	-4.3	-6.0	-18.8	-12.2
4	20.1	-.3	9.7	17.3	-1.0	6.9	-3.1	-14.9	-8.4	-.3	-18.8	-9.2
5	22.1	2.1	12.3	17.7	-.7	7.7	3.5	-15.7	-7.8	-2.1	-14.1	-7.0
6	18.5	8.1	13.2	18.1	.0	7.6	3.5	-11.7	-4.4	-3.1	-17.4	-11.5
7	8.8	1.4	5.6	19.7	.7	9.1	3.5	-7.9	-1.6	1.4	-15.7	-7.7
8	16.1	-.3	7.0	16.9	3.9	9.3	-2.8	-10.5	-5.3	-.3	-14.5	-6.4
9	20.5	1.1	10.2	13.9	-2.8	6.0	-1.0	-15.3	-7.1	-1.7	-7.5	-4.0
10	21.7	3.2	11.9	17.7	-2.8	5.8	.4	-6.4	-4.3	4.6	-2.1	1.9
11	22.1	3.2	12.5	18.1	-1.7	6.7	-1.7	-14.9	-7.7	10.2	1.4	6.3
12	21.7	4.6	12.7	18.9	-1.4	6.5	2.5	-15.3	-7.5	6.7	-3.8	2.3
13	22.5	3.2	11.6	16.9	-2.4	5.3	1.8	-11.7	-4.5	8.8	-4.2	1.0
14	20.9	3.2	11.7	19.3	-2.8	6.3	-7.5	-19.7	-12.6	11.0	-4.6	2.2
15	18.5	5.3	12.3	18.9	.4	7.4	1.1	-19.3	-10.4	12.1	-1.7	4.5
16	6.0	-4.2	2.3	19.3	-1.7	8.3	1.1	-11.3	-5.3	11.3	2.8	7.2
17	7.4	-7.5	-.5	18.5	1.4	9.9	3.2	-9.0	-2.5	8.1	2.5	4.9
18	11.7	-5.7	2.5	8.8	-7.1	.4	4.9	-7.5	-1.4	8.8	1.8	5.0
19	12.4	-4.2	3.2	11.3	-9.8	.2	-2.1	-12.1	-7.0	9.5	-1.7	5.2
20	14.6	-3.8	4.6	11.0	-3.8	3.4	-4.2	-14.5	-8.0	9.2	-2.1	2.6
21	16.9	-3.1	6.2	5.7	-3.8	.2	-3.5	-15.3	-8.6	8.1	-3.1	2.1
22	18.5	-1.7	7.2	-1.7	-7.1	-4.7	-1.4	-16.2	-9.6	2.1	-5.3	-1.3
23	18.9	-1.0	7.5	-2.1	-12.5	-7.2	2.5	-14.5	-7.3	3.9	-9.8	-3.9
24	17.7	-.7	7.3	-.7	-14.5	-8.9	3.9	-12.1	-5.5	3.2	-4.6	.3
25	17.7	-1.4	7.2	3.9	-12.5	-4.6	5.7	-10.1	-3.8	3.2	-1.0	.4
26	20.1	-.7	8.4	12.8	-4.9	3.1	6.4	-8.3	-2.5	3.5	-1.4	.7
27	17.3	1.8	8.2	11.7	-1.0	5.2	6.7	-8.6	-3.9	-1.0	-7.9	-3.6
28	17.7	-1.4	9.5	13.1	-2.8	4.0	7.8	-9.0	-2.2	-3.1	-12.9	-7.5
29	11.7	-5.7	2.0	14.6	-2.1	4.7	7.8	-5.3	.1	-2.8	-16.6	-10.0
30	9.9	-6.8	.7	18.1	-.7	6.0	7.1	-8.3	-3.1	1.8	-14.9	-7.6
31	17.7	-3.1	5.8	---	---	---	5.7	-8.6	-2.1	.4	-10.9	-4.3
MONTH	22.5	-7.5	8.1	19.7	-14.5	4.0	13.1	-19.7	-4.9	12.1	-18.8	-1.8

380844107512200 PLEASANT VALLEY METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	-9.0	-5.0	5.7	-3.1	.5	3.2	-6.0	-1.2	17.3	-1.4	8.3
2	8.5	-9.8	-1.5	1.8	-6.8	-1.2	6.0	-6.0	.2	21.7	1.8	12.9
3	11.7	-4.6	3.2	8.1	-9.8	-.8	8.1	-3.8	1.3	23.3	4.9	15.4
4	8.5	-3.5	2.5	13.1	-3.8	4.1	16.5	-2.4	7.4	23.8	7.8	16.3
5	8.1	-3.8	1.6	6.0	-4.6	1.0	16.1	3.5	10.1	22.9	7.4	16.0
6	8.1	-5.3	.6	7.4	-5.3	1.1	15.8	6.4	11.5	21.3	8.1	15.8
7	8.1	-6.4	.3	2.5	-2.8	-.1	13.5	.7	8.7	20.1	6.7	14.9
8	11.7	-4.9	2.7	2.1	-6.8	-1.6	15.8	-3.1	7.0	9.9	3.2	5.9
9	6.0	-1.0	2.5	1.4	-4.2	-1.4	16.5	3.2	10.5	17.3	-.3	9.5
10	5.7	-.7	2.1	2.8	-9.8	-4.3	15.0	-1.0	7.5	21.3	12.1	17.2
11	4.9	-3.8	1.1	7.1	-10.9	-1.0	11.3	.0	5.9	16.9	1.4	12.2
12	3.9	-3.8	.3	6.4	-3.1	1.4	15.0	.4	8.4	8.5	-3.5	2.5
13	1.4	-2.4	-.9	8.8	-5.7	1.4	17.7	3.9	11.0	15.8	-3.1	7.0
14	8.1	-.3	3.8	9.5	-4.2	3.7	14.6	2.5	10.3	18.9	1.8	10.2
15	6.0	-2.8	3.5	9.9	-3.8	2.2	6.4	-1.4	1.9	20.9	5.3	14.9
16	9.9	-3.8	2.7	4.9	-5.3	-1.8	14.6	-2.4	6.8	19.7	10.2	16.5
17	2.5	-3.5	-.6	7.4	-4.9	.2	18.5	2.1	11.3	10.2	2.5	6.6
18	1.8	-6.8	-1.6	1.4	-8.6	-3.4	14.6	1.8	9.2	11.0	-1.0	4.8
19	5.7	-9.8	-2.8	11.0	-8.6	2.6	4.6	-1.7	2.1	16.1	-.3	7.4
20	12.1	-5.7	2.9	7.4	-4.9	-.2	15.8	-4.6	6.3	17.7	3.5	11.2
21	11.0	2.1	6.6	3.5	-6.4	-1.8	18.1	2.1	9.2	20.9	2.5	12.9
22	2.5	-4.6	-.2	7.4	-2.4	1.4	9.5	4.6	7.1	23.8	4.9	15.7
23	7.1	-7.9	.5	8.1	-2.1	3.2	14.3	3.2	8.2	26.0	10.2	18.4
24	7.1	-5.7	.4	10.2	-.3	4.9	13.9	.7	7.3	22.5	10.2	15.9
25	-3.8	-7.5	-6.3	12.8	-1.7	6.1	18.5	-2.4	9.0	20.9	5.7	13.3
26	3.5	-14.5	-4.0	12.8	.4	6.6	20.1	3.9	12.9	16.9	6.4	12.0
27	13.1	-5.3	4.0	13.1	-1.7	6.4	22.5	3.5	14.2	22.5	4.6	13.6
28	9.2	-3.5	2.9	7.1	.7	4.4	20.5	4.9	14.0	26.4	8.1	18.3
29	6.7	-6.4	-.2	8.1	-3.5	2.9	16.1	5.3	11.5	26.9	12.1	21.0
30	---	---	---	8.5	-2.4	1.2	12.8	3.2	7.2	26.9	12.1	21.3
31	---	---	---	1.1	-3.5	-1.8	---	---	---	25.1	11.7	19.7
MONTH	13.1	-14.5	.7	13.1	-10.9	1.2	22.5	-6.0	7.9	26.9	-3.5	13.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.0	4.9	16.7	26.4	12.4	18.9	29.7	13.9	22.2	18.5	7.8	13.8
2	25.1	7.1	17.6	26.4	10.2	19.0	29.7	14.3	22.2	20.9	9.9	15.4
3	25.1	9.5	18.0	25.5	13.9	20.3	28.7	15.4	20.9	22.1	8.8	15.3
4	26.0	7.8	17.6	24.2	9.2	18.6	27.3	15.4	21.7	25.5	9.5	17.7
5	25.1	9.5	16.2	27.3	9.5	19.2	26.4	11.0	19.9	24.2	11.3	16.2
6	26.9	8.8	18.6	27.3	10.6	20.1	27.3	11.0	19.4	20.9	9.9	14.3
7	27.8	9.5	19.3	26.4	12.1	18.7	27.8	10.6	19.9	20.9	6.7	14.3
8	23.3	10.6	18.1	24.6	12.1	17.5	29.7	12.8	21.5	19.3	6.7	11.2
9	20.5	8.5	15.3	20.9	8.8	15.4	30.1	12.8	21.0	20.9	6.0	13.3
10	22.1	4.9	14.5	25.5	8.8	17.8	27.8	13.9	20.4	22.5	7.4	15.2
11	24.6	7.1	16.4	27.3	11.0	19.5	26.0	12.8	18.3	22.1	8.1	15.1
12	24.2	6.4	17.2	26.9	11.7	19.2	26.0	12.1	18.6	23.8	5.7	14.6
13	22.9	10.2	17.9	28.2	11.7	20.1	26.0	10.2	17.8	25.1	7.1	15.7
14	---	---	---	27.3	13.5	19.3	25.5	12.8	17.9	27.8	8.1	17.7
15	---	---	---	27.8	11.0	18.5	26.4	10.6	17.5	26.4	11.0	18.0
16	---	---	---	25.5	10.2	16.3	25.5	12.1	18.2	26.9	9.5	18.1
17	---	---	---	22.5	11.7	16.3	23.3	11.3	17.0	24.2	9.9	17.6
18	---	---	---	27.3	11.3	19.9	17.3	11.0	14.0	18.9	7.1	12.4
19	---	---	---	28.7	8.1	19.6	23.3	11.0	16.3	21.3	6.0	13.7
20	---	---	---	27.8	9.9	19.8	23.8	11.0	16.5	19.3	6.4	12.7
21	---	---	---	28.7	10.6	20.3	22.5	10.2	15.0	20.9	7.1	14.9
22	---	---	---	29.2	10.2	20.1	22.5	10.2	15.4	21.7	13.5	17.3
23	---	---	---	29.7	11.3	20.9	23.3	9.5	16.3	15.4	.4	10.2
24	23.3	8.1	14.6	27.8	16.5	22.1	24.2	11.0	15.8	6.0	-2.1	1.3
25	22.5	8.5	15.7	27.8	11.7	20.2	23.8	10.6	16.8	16.1	-4.6	5.4
26	19.7	8.8	13.9	26.4	12.4	20.5	20.9	10.2	15.7	18.9	-.3	9.7
27	22.9	6.4	13.1	27.8	12.1	20.6	23.3	10.2	15.2	20.9	4.6	12.4
28	23.3	6.7	15.8	29.2	13.5	21.6	22.9	10.6	15.5	21.3	6.4	12.3
29	24.6	11.0	17.9	29.2	12.1	21.0	23.8	11.0	17.2	20.1	7.1	12.3
30	25.1	9.5	17.0	27.3	12.8	20.3	18.9	11.0	14.4	19.7	7.1	12.9
31	---	---	---	27.8	10.6	19.6	19.3	7.1	13.4	---	---	---
MONTH	27.8	4.9	16.6	29.7	8.1	19.4	30.1	7.1	17.8	27.8	-4.6	13.7
YEAR	30.1	-19.7	7.7									

380844107512200 PLEASANT VALLEY METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
2	.0	.0	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0
3	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
7	.1	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0
8	.1	.0	.1	.0	.0	.0	.0	1.3	.0	.4	.0	.2
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
10	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.1	.0	---	.0	.0	.0
15	.0	.0	.0	.0	.0	.2	.1	.0	---	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	---	.2	.2	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	---	.1	.0	.0
18	.0	.0	.0	.2	.0	.0	.0	.1	---	.0	.5	.4
19	.0	.0	.0	.0	.0	.0	.0	.0	---	.0	.0	.0
20	.0	.0	.0	.0	.0	.3	.0	.0	---	.0	.0	.0
21	.0	.0	.0	.2	.0	.2	.0	.0	---	.0	.5	.0
22	.0	.0	.0	.0	.0	.0	.0	.0	---	.0	.1	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	---	.0	.0	.2
24	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
25	.0	.1	.0	.3	.0	.0	.0	.0	.1	.0	.1	.0
26	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0
28	.0	.0	.0	.1	.0	.1	.0	.0	.1	.0	.3	.0
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
30	.0	.0	.0	.0	---	.1	.0	.0	.0	.0	.3	.0
31	.0	---	.0	.0	---	.1	---	.0	---	.0	.0	---
TOTAL	0.2	0.1	0.9	1.0	0.2	1.6	0.2	1.5	0.4	0.8	2.9	1.3

CAL YR 1999 TOTAL 17.1
WTR YR 2000 TOTAL 11.1

380916107452200 RIDGWAY METEOROLOGICAL STATION AT RIDGWAY, CO

LOCATION.--Lat 38°09'16", long 107°45'22", in SW$^1/_4$NW$^1/_4$ sec.16, T.45 N, R.8 W., Ouray County, Hydrologic Unit 14020006, 0.2 mi north of post office in Ridgway, and 0.3 mi north of State Highway 62.

PERIOD OF RECORD.--December 1992 to current year.

GAGE.--Weighing-bucket rain gage with satellite telemetry. Elevation of gage is 7,000 ft above sea level, from topographic map.

REMARKS.--Unpublished air-temperature and precipitation data for water year 1993 are available in district office. Daily record for air temperature is good. Daily record for precipitation is good.

EXTREMES FOR PERIOD OF RECORD.--
AIR TEMPERATURE: Maximum, 32.6°C, Aug. 2, 2000; minimum, -32.4°C, Dec. 21, 1998.
PRECIPITATION: Maximum daily, 2.0 inches, Oct. 3, 1996.

EXTREMES FOR CURRENT YEAR.--
AIR TEMPERATURE: Maximum, 32.6°C, Aug. 2; minimum, -28.0°C, Dec. 15, Jan. 4.
PRECIPITATION: Maximum daily, 1.1 inches, May 8.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.5	-4.2	8.8	15.8	-9.0	1.6	14.3	-6.8	3.1	.7	-6.8	-3.0
2	21.3	-3.5	9.0	16.5	-10.5	.7	4.6	-2.8	-.5	-1.0	-11.7	-6.1
3	20.5	-2.8	8.5	16.5	-11.3	.7	-1.7	-5.3	-3.6	-6.4	-27.4	-14.1
4	22.1	-6.8	6.6	19.3	-10.1	2.1	-2.4	-21.6	-9.2	-1.7	-28.0	-14.7
5	22.9	-6.0	9.1	19.7	-9.8	3.0	-.3	-23.6	-14.2	-1.4	-17.0	-7.3
6	19.7	5.7	11.8	19.3	-9.8	2.7	2.8	-17.4	-10.6	-3.1	-23.1	-14.8
7	11.0	.7	5.2	19.7	-9.0	3.5	4.2	-15.3	-4.5	-.7	-24.7	-13.8
8	17.7	-3.5	5.5	19.3	-3.7	7.5	-2.4	-11.3	-5.2	1.1	-19.7	-7.8
9	21.7	-4.9	7.6	14.6	-7.1	2.5	-1.7	-21.1	-9.8	.4	-7.5	-3.1
10	23.8	-4.9	8.5	17.7	-10.5	1.4	-.7	-10.1	-5.5	6.0	-.3	3.2
11	23.8	-4.2	8.7	18.9	-10.5	1.5	-3.1	-20.7	-8.7	11.0	-1.0	5.4
12	23.3	-6.0	8.8	19.7	-12.1	.5	.4	-22.1	-12.8	7.1	-6.0	.6
13	23.3	-4.6	8.0	18.1	-12.5	-.4	1.8	-20.7	-8.2	10.6	-9.0	-2.5
14	22.5	-6.0	7.1	20.1	-12.1	.5	-5.7	-26.9	-15.8	10.6	-12.1	-3.5
15	19.7	-4.2	9.0	18.9	-10.5	1.1	-1.7	-28.0	-17.2	12.8	-7.9	1.4
16	11.3	-7.5	2.0	20.1	-10.9	2.0	2.1	-17.9	-8.7	11.7	.4	4.3
17	8.1	-10.9	-1.8	18.9	-8.3	6.3	3.2	-14.1	-5.1	7.8	.7	3.3
18	12.1	-10.1	.7	10.6	-11.3	.4	5.3	-14.1	-4.7	7.8	.7	3.1
19	13.9	-9.4	.9	11.3	-15.3	-3.9	-.3	-14.9	-8.5	10.6	-5.7	3.1
20	16.1	-10.1	1.6	11.7	-10.1	-.5	-3.5	-18.8	-9.4	8.8	-6.4	-.2
21	18.5	-10.1	2.5	5.7	-9.8	-2.1	-4.2	-19.7	-10.3	8.8	-2.4	1.6
22	19.7	-9.4	3.2	-1.0	-6.8	-4.2	-1.4	-21.1	-12.6	3.9	-8.6	-1.6
23	19.7	-8.6	3.8	-1.4	-14.5	-7.7	2.8	-21.6	-13.5	6.0	-11.7	-5.4
24	18.5	-8.6	3.4	1.1	-17.9	-10.8	1.1	-21.1	-12.9	2.5	-6.0	-.4
25	18.9	-9.4	3.4	4.9	-16.6	-7.2	3.5	-20.2	-11.1	2.1	-1.4	.3
26	20.1	-8.6	3.7	13.9	-9.8	-.8	6.4	-17.9	-9.1	2.5	-1.0	.4
27	18.1	-6.0	4.0	12.1	-4.9	2.7	4.2	-18.3	-9.7	-.3	-10.9	-2.8
28	19.3	-8.3	6.8	14.3	-8.6	.3	5.3	-17.0	-9.1	-2.1	-11.7	-7.4
29	12.4	-8.6	1.8	15.4	-9.0	.2	6.4	-14.9	-7.0	-.7	-18.8	-11.0
30	10.2	-12.1	-2.0	16.5	-7.9	.9	5.3	-17.4	-9.3	1.4	-19.7	-10.2
31	18.5	-10.1	1.8	---	---	---	5.3	-18.3	-8.7	.7	-12.9	-4.5
MONTH	23.8	-12.1	5.1	20.1	-17.9	.2	14.3	-28.0	-8.8	12.8	-28.0	-3.5

380916107452200 RIDGWAY METEOROLOGICAL STATION AT RIDGWAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.1	-10.9	-4.2	6.7	-6.4	.6	8.1	-4.2	.3	19.7	-3.8	8.1
2	11.0	-12.9	-4.3	3.9	-6.4	-.3	8.5	-5.7	.5	24.2	-3.5	11.5
3	13.5	-10.9	-1.1	11.0	-9.8	-.9	11.0	-3.8	2.4	25.5	-2.1	13.4
4	11.3	-8.3	.4	15.0	-8.3	2.5	---	-5.7	---	25.5	-1.4	13.9
5	9.2	-7.1	-.1	6.4	-6.8	-.4	18.1	-2.8	8.6	25.5	-1.0	13.9
6	9.5	-7.9	-.9	9.2	-8.3	.5	18.1	.7	11.0	23.8	-.3	13.4
7	10.2	-9.0	-1.4	2.1	-.7	.4	15.8	-.7	9.2	22.9	2.5	13.6
8	12.4	-9.0	.0	4.6	-7.1	-.4	18.1	-7.5	5.7	9.5	4.6	6.7
9	7.8	-3.5	1.7	3.9	-3.1	-.2	18.5	-2.8	9.2	18.9	-.3	10.0
10	7.4	-.7	2.5	1.8	-9.0	-2.9	16.5	-3.5	7.2	24.6	5.7	17.4
11	6.0	-4.9	1.1	8.8	-10.9	-.3	13.9	-2.8	6.1	20.1	2.8	14.4
12	4.6	-4.9	.5	6.4	-4.6	1.3	16.9	-4.9	7.2	9.5	-3.5	3.7
13	3.5	-1.0	.3	10.6	-7.5	.7	19.3	-3.1	8.8	16.9	-4.6	6.8
14	9.5	-1.0	4.9	11.3	-9.0	2.1	17.7	.4	9.5	20.5	-2.1	9.9
15	8.5	-4.6	4.6	10.6	-4.6	.9	8.1	-1.4	3.1	22.9	.0	12.4
16	11.7	-7.1	2.1	7.1	-5.3	-.8	16.5	-3.8	6.4	22.1	11.0	18.2
17	3.2	-3.5	.2	8.5	-7.1	-.3	21.3	-3.1	9.3	12.4	3.2	8.0
18	3.2	-6.8	-1.0	3.5	-8.6	-3.0	17.7	1.4	9.1	11.7	-2.1	4.8
19	6.4	-10.9	-3.4	13.5	-10.9	2.4	6.4	-3.5	3.2	17.7	-2.4	7.6
20	12.8	-9.8	1.1	7.4	-4.2	.4	18.5	-7.1	5.7	20.9	1.4	11.2
21	12.8	-2.8	4.8	4.2	-5.7	-1.2	20.1	-4.2	7.1	22.9	-1.4	12.0
22	4.2	-4.2	.9	9.2	-1.7	1.7	10.6	-1.7	6.6	25.1	.7	14.5
23	9.5	-9.4	.8	10.6	-3.1	3.4	16.1	.7	8.5	27.8	3.2	16.6
24	7.4	-4.2	1.7	13.5	-3.8	5.2	13.9	-2.4	6.4	24.2	6.0	15.4
25	-2.8	-5.7	-4.5	14.6	-4.6	5.1	20.1	-7.9	7.6	22.5	2.1	12.6
26	5.3	-12.1	-2.5	13.9	-3.8	4.7	22.5	-2.8	11.1	18.1	2.8	11.4
27	15.4	-8.3	3.0	15.4	-7.1	5.2	24.6	-2.4	12.4	24.2	.0	13.0
28	9.2	-2.8	4.1	8.8	.0	3.6	22.9	-1.0	12.0	29.2	1.1	17.3
29	7.8	-5.3	.1	9.9	-2.1	4.1	18.5	3.9	10.5	30.6	4.2	19.1
30	---	---	---	10.6	-1.4	1.9	15.8	4.9	8.6	30.1	3.9	18.2
31	---	---	---	1.1	-3.1	-1.0	---	---	---	26.9	3.2	16.9
MONTH	15.4	-12.9	.4	15.4	-10.9	1.1	24.6	-7.9	7.4	30.6	-4.6	12.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	29.2	.7	15.9	27.8	11.0	18.9	31.6	7.1	20.6	20.5	6.4	14.0
2	27.3	2.1	16.3	29.2	6.0	18.5	32.6	10.6	22.4	23.8	7.8	16.3
3	27.3	3.2	16.2	29.2	11.0	21.8	31.1	11.0	21.6	26.4	3.5	13.7
4	29.2	2.5	16.5	26.0	4.9	17.5	29.2	12.4	20.7	26.9	2.5	16.7
5	27.8	3.9	16.5	31.6	2.5	18.1	29.7	8.1	19.1	26.9	10.6	17.7
6	28.7	6.4	19.3	29.2	3.5	18.3	29.7	6.4	18.2	22.1	10.2	15.1
7	29.7	2.5	18.4	26.9	7.8	17.7	30.6	4.6	18.5	23.8	4.6	14.4
8	25.5	10.6	19.0	25.1	10.2	17.8	32.1	5.7	19.6	19.7	4.6	10.4
9	24.2	7.4	16.8	22.5	9.9	16.2	32.1	7.8	18.9	22.9	1.4	12.0
10	26.0	-.3	14.2	26.9	8.5	18.2	28.2	11.3	20.1	24.6	.0	13.0
11	26.4	1.4	15.9	28.7	8.5	19.2	26.9	8.5	17.9	25.5	.7	12.3
12	26.0	1.1	15.7	27.8	8.5	18.7	26.9	9.9	18.3	25.5	.0	12.5
13	24.6	3.5	16.0	31.1	8.1	19.8	28.2	8.5	19.0	27.3	.4	13.5
14	25.1	2.5	15.2	29.7	9.2	19.0	27.8	8.5	17.5	30.6	1.8	14.7
15	27.8	2.1	17.7	30.1	9.2	18.6	27.8	7.4	16.7	28.2	2.8	15.4
16	25.1	3.5	15.4	27.3	9.5	17.6	26.9	11.0	18.4	29.7	2.5	15.7
17	24.6	2.5	13.4	24.2	11.7	17.1	26.0	8.1	17.3	27.8	2.5	15.7
18	21.3	3.9	13.4	29.2	7.4	18.9	19.7	12.1	15.3	21.7	5.7	13.6
19	24.2	6.0	14.5	30.1	2.8	17.9	25.5	11.0	17.0	22.9	2.1	12.6
20	24.2	5.7	15.1	29.7	3.9	18.3	26.0	9.2	16.9	20.9	1.8	11.1
21	26.9	-.3	14.7	30.6	4.2	18.6	20.9	6.4	14.0	23.8	3.5	13.0
22	28.2	2.5	16.6	31.1	3.9	18.2	23.8	11.0	15.4	24.2	8.8	17.9
23	22.1	9.5	17.4	32.1	3.2	19.2	25.1	7.4	16.3	17.7	1.4	11.0
24	26.9	5.7	14.8	29.7	9.2	20.2	25.5	8.1	14.9	7.4	-3.1	2.2
25	25.1	5.3	15.3	30.6	7.4	20.4	25.5	7.8	16.7	18.1	-6.4	5.0
26	20.9	8.1	14.3	29.2	8.8	20.8	24.2	9.9	16.5	20.5	-4.6	8.0
27	22.9	5.7	13.7	29.7	7.1	19.5	25.1	7.8	15.1	22.5	-.7	10.6
28	26.4	4.2	15.6	31.6	6.7	19.7	25.5	10.6	17.1	22.9	1.4	10.9
29	26.4	6.7	17.2	31.1	6.4	20.5	25.1	11.7	17.4	21.3	3.5	12.7
30	27.8	5.3	17.0	29.2	7.8	19.9	21.3	10.6	15.6	21.7	4.2	12.8
31	---	---	---	30.1	6.0	18.8	20.9	7.1	13.2	---	---	---
MONTH	29.7	-.3	15.9	32.1	2.5	18.8	32.6	4.6	17.6	30.6	-6.4	12.8
YEAR	32.6	-28.0	6.6									

380916107452200 RIDGWAY METEOROLOGICAL STATION AT RIDGWAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.1	.1	.0	.0	.1	.0	.0	.1	.0	.0
2	.0	.0	.4	.1	.0	.1	.1	.0	.0	.0	.0	.0
3	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0
8	.1	.0	.0	.0	.0	.0	.0	1.1	.0	.2	.0	.1
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
10	.0	.0	.2	.0	.2	.0	.0	.0	.0	.1	.0	.0
11	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
13	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.2	.0	.0	.0	.1	.2	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.5
19	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0
20	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
21	.0	.1	.0	.3	.0	.2	.0	.0	.0	.0	.2	.1
22	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.5	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0
25	.0	.0	.0	.3	.0	.0	.0	.0	.3	.0	.1	.1
26	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0
28	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3
30	.0	.0	.0	.0	---	.5	.0	.0	.0	.0	.2	.0
31	.0	---	.0	.0	---	.3	---	.0	---	.0	.0	---
TOTAL	0.1	0.2	1.6	1.3	0.2	2.0	0.2	1.2	0.7	1.3	2.3	1.5

CAL YR 1999 TOTAL 17.2
WTR YR 2000 TOTAL 12.6

381001107412300 DRY CREEK METEOROLOGICAL STATION NEAR RIDGWAY, CO

LOCATION.--Lat 38°10'01", long 107°41'23", in SE$^1/_4$NE$^1/_4$ sec.12, T.45 N, R.8 W., Ouray County, Hydrologic Unit 14020006, 3.7 mi east of Ridgway.

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Weighing-bucket rain gage with satellite telemetry. Elevation of gage is 7,360 ft above sea level, from topographic map.

REMARKS.--Daily record for air temperature is good. Daily record for precipitation is good.

EXTREMES FOR PERIOD OF RECORD.--
AIR TEMPERATURE: Maximum recorded, 32.6°C, July 18, 19, 1998; minimum recorded, -26.9°C, Dec. 18, 1996.
PRECIPITATION: Maximum daily, 1.8 inches, Oct. 3, 1996.

EXTREMES FOR CURRENT YEAR.--
AIR TEMPERATURE: Maximum, 32.1°C, July 23, Aug. 2, 8; minimum, -21.6°C, Jan. 4.
PRECIPITATION: Maximum daily, 1.1 inches, May 8.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.1	3.9	13.0	16.1	-2.4	5.4	13.1	-1.4	5.1	.0	-5.7	-2.3
2	21.3	1.4	11.5	18.1	-5.7	5.0	5.7	-2.8	-.4	.7	-9.0	-5.0
3	20.1	2.5	11.8	16.9	-5.3	4.9	-2.1	-5.7	-3.9	-2.4	-20.7	-11.1
4	22.5	-1.0	9.8	20.1	-3.1	7.0	1.8	-17.4	-7.0	2.1	-21.6	-10.3
5	23.3	.0	12.0	20.5	-2.1	8.1	5.7	-17.4	-8.2	-2.4	-13.7	-6.8
6	18.1	8.8	13.4	20.5	-2.4	7.1	6.0	-13.7	-5.0	-2.4	-17.9	-11.6
7	10.2	2.5	5.6	19.7	-1.0	8.0	4.6	-9.0	-2.2	3.5	-17.9	-8.8
8	18.1	-.7	7.7	19.3	1.8	9.8	-2.1	-10.9	-5.2	5.3	-17.0	-6.4
9	22.5	.4	10.3	16.1	-3.8	6.3	-1.0	-18.3	-7.7	-.3	-7.1	-3.8
10	24.2	.7	11.8	19.3	-4.2	5.5	.4	-7.5	-4.4	6.0	-2.1	2.3
11	24.6	1.4	12.7	20.1	-3.1	6.1	-.3	-14.1	-7.0	13.1	1.8	6.8
12	23.3	3.2	12.5	---	-4.9	---	3.9	-15.7	-7.8	8.1	-3.8	3.1
13	24.2	.7	11.4	18.9	-5.7	4.8	2.1	-12.5	-5.2	12.4	-6.8	.5
14	22.1	1.8	11.1	21.3	-5.7	5.6	-6.4	-19.7	-12.3	17.7	-5.7	2.2
15	19.7	4.2	11.4	20.1	-2.4	6.9	2.5	-21.1	-10.6	12.8	-2.4	4.4
16	7.8	-3.8	2.8	21.3	-3.1	7.5	5.7	-12.9	-5.2	9.9	2.8	6.2
17	9.9	-8.3	-.4	17.7	.4	9.6	6.4	-9.4	-1.8	8.5	1.8	4.7
18	12.4	-6.0	3.0	9.9	-8.3	1.1	6.0	-7.1	-2.0	8.8	2.1	5.4
19	14.6	-6.0	3.5	13.1	-11.3	-.8	1.4	-11.7	-5.9	13.5	-2.8	6.1
20	17.7	-5.3	4.8	11.0	-4.2	3.0	-1.7	-13.7	-7.4	9.9	-3.8	1.8
21	18.9	-4.9	6.0	5.7	-5.7	-.5	-1.7	-14.9	-8.6	7.1	-3.5	2.0
22	20.1	-4.6	7.0	-1.0	-7.5	-4.3	1.4	-16.2	-9.5	2.1	-7.1	-2.0
23	20.5	-2.1	7.7	3.5	-13.7	-6.9	5.7	-15.3	-7.4	6.4	-9.8	-3.8
24	19.7	-2.8	7.3	1.4	-17.0	-9.2	8.1	-14.1	-6.1	2.1	-5.3	-.2
25	20.5	-2.4	8.0	4.9	-13.3	-5.0	---	-12.5	---	2.8	-1.0	.7
26	20.9	-2.8	8.0	15.4	-6.0	2.9	9.2	-10.5	-3.2	3.2	-1.0	.8
27	19.7	.0	8.8	10.6	-.7	4.9	8.1	-10.1	-3.9	2.5	-9.4	-2.8
28	19.3	-2.4	9.5	14.6	-3.1	3.6	10.2	-10.5	-1.0	.7	-14.1	-7.1
29	11.7	-5.7	2.1	16.9	-2.8	4.5	11.7	-8.6	-.9	2.1	-18.3	-9.5
30	11.0	-8.6	.9	16.5	-1.7	5.8	7.4	-10.9	-4.0	3.5	-17.4	-8.2
31	18.9	-5.3	5.4	---	---	---	10.6	-11.3	-2.6	2.8	-11.7	-4.4
MONTH	24.6	-8.6	8.1	21.3	-17.0	3.7	13.1	-21.1	-5.0	17.7	-21.6	-1.8

381001107412300 DRY CREEK METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.5	-10.5	-4.3	7.1	-3.8	1.2	5.3	-5.3	-.2	20.5	-1.0	9.0
2	12.8	-11.7	-2.4	3.2	-6.0	-.4	7.1	-5.3	.3	25.1	1.1	13.4
3	16.5	-7.5	2.4	---	-9.0	---	10.2	-4.2	2.2	26.4	1.4	15.3
4	11.3	-5.3	2.4	16.1	-6.0	4.2	18.9	-3.1	8.3	25.5	5.3	16.8
5	10.2	-5.3	1.1	7.1	-4.9	2.0	18.1	2.8	10.6	24.6	5.3	16.0
6	9.5	-7.5	.3	8.8	-6.8	1.2	16.9	5.7	11.4	23.3	5.7	15.7
7	10.6	-8.3	-.1	2.5	-1.7	-.1	15.0	1.1	9.6	22.5	6.7	14.1
8	12.8	-7.5	1.6	8.1	-5.7	-.4	17.7	-4.2	7.5	9.5	3.5	5.9
9	5.7	-1.0	2.2	2.1	-3.5	-1.3	17.7	2.8	10.5	18.9	.4	10.4
10	7.1	.0	2.6	3.5	-8.6	-2.9	16.1	-.3	8.6	22.5	9.9	17.8
11	7.4	-3.5	1.3	9.9	-12.1	-.8	13.9	---	---	18.9	1.8	13.5
12	3.9	-3.5	.6	7.1	-2.4	1.4	---	.0	---	10.6	-3.1	3.2
13	2.1	-1.7	-.3	11.3	-6.0	2.1	19.3	1.4	10.7	16.1	-3.5	7.3
14	9.5	-.3	4.3	11.0	-5.7	3.7	15.8	2.8	10.2	18.5	.7	10.6
15	8.8	-1.7	4.6	9.2	-3.8	1.8	6.7	-1.4	2.4	22.1	4.9	14.9
16	9.5	-4.6	2.5	6.7	-5.3	-.7	16.1	-2.4	7.4	20.5	11.3	17.8
17	2.8	-4.6	-.1	8.5	-5.3	.6	20.9	1.1	11.3	11.3	2.8	7.2
18	4.2	-5.3	-1.0	3.5	-8.3	-3.1	15.4	1.1	9.7	12.8	-1.0	5.2
19	8.1	-10.9	-2.8	9.9	-9.4	2.4	6.0	-2.4	2.6	17.3	-.3	7.5
20	13.1	-7.1	2.6	7.1	-5.3	-.8	17.7	-5.3	7.6	20.5	3.9	12.2
21	12.1	1.4	6.3	---	-5.7	---	18.9	.7	9.6	22.1	1.6	13.5
22	---	---	---	8.8	-2.4	1.2	12.1	5.3	7.8	25.5	4.2	16.1
23	11.0	-10.5	.6	10.6	-2.4	3.5	16.1	2.5	8.9	26.9	8.5	18.9
24	4.9	-5.3	1.3	13.1	-.7	5.6	14.6	1.4	8.3	22.5	9.9	16.3
25	-3.8	-6.4	-5.3	15.4	-2.1	6.6	20.5	-3.8	9.2	20.5	4.9	13.2
26	4.6	-12.9	-3.0	12.1	.4	6.7	22.5	4.6	13.9	17.3	5.3	11.6
27	15.8	-6.8	4.6	15.8	-3.1	7.1	25.1	1.1	14.1	26.0	3.2	14.5
28	9.5	-3.5	3.6	9.5	.0	4.2	23.8	3.9	13.9	27.8	7.4	19.1
29	9.5	-3.5	.6	10.2	-1.4	3.7	17.7	5.3	11.6	28.7	9.9	20.6
30	---	---	---	10.2	-3.5	1.4	15.4	2.5	7.8	28.7	12.4	21.0
31	---	---	---	4.6	-3.5	-1.0	---	---	---	26.4	10.2	19.7
MONTH	16.5	-12.9	.9	16.1	-12.1	1.7	25.1	-5.3	8.4	28.7	-3.5	13.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.8	6.0	17.8	27.8	12.8	19.1	31.6	11.7	22.2	20.5	7.4	14.5
2	26.4	7.4	17.3	28.2	8.5	19.4	32.1	13.9	23.0	23.3	9.9	16.6
3	27.3	8.1	18.2	28.2	15.0	21.4	30.1	13.8	21.8	24.2	7.8	15.4
4	28.2	7.4	20.0	26.0	10.6	19.1	28.7	16.1	21.6	26.9	7.4	18.4
5	27.3	8.1	17.1	29.7	8.5	19.8	29.2	11.7	20.6	26.4	13.1	18.7
6	27.8	7.8	19.0	29.2	8.8	20.5	28.2	11.3	20.3	22.5	10.2	15.0
7	30.6	7.1	19.7	26.9	11.3	18.4	30.1	10.2	20.6	22.5	6.7	14.9
8	26.4	13.5	19.2	24.6	12.4	17.8	32.1	9.5	21.4	20.9	7.1	11.7
9	21.7	11.0	16.3	22.1	9.9	16.0	29.2	13.1	20.9	22.9	4.9	14.0
10	23.8	3.9	15.1	26.9	9.5	18.4	28.7	13.9	20.3	25.1	6.0	15.4
11	23.8	6.0	16.6	29.7	11.0	20.2	26.9	12.4	19.2	23.3	6.7	15.7
12	25.1	5.3	17.3	27.3	11.3	19.8	26.0	12.8	18.9	26.0	4.2	15.3
13	24.2	7.8	17.4	30.6	11.0	20.5	28.2	10.2	18.9	27.8	6.0	16.7
14	24.6	5.3	15.6	28.7	13.1	19.5	26.4	11.7	18.5	30.1	8.1	18.1
15	---	---	---	---	10.6	---	27.3	10.2	17.9	28.7	9.2	18.6
16	24.6	6.4	16.6	26.0	11.0	17.4	28.2	12.4	18.5	29.2	7.8	18.4
17	25.1	3.5	14.1	22.9	12.4	17.2	24.6	11.7	17.7	26.4	7.8	17.9
18	20.9	8.1	14.7	28.7	10.2	20.1	20.1	11.7	15.0	21.7	7.1	13.5
19	22.1	8.5	14.6	29.7	7.8	20.1	24.2	11.3	17.1	22.9	4.9	14.0
20	23.8	8.5	15.8	29.2	9.2	20.4	25.1	11.3	17.4	22.5	6.4	13.5
21	26.4	3.2	16.3	30.6	9.2	20.9	22.1	9.5	15.5	22.1	6.4	14.5
22	26.4	6.7	17.8	30.6	9.5	20.6	23.8	11.0	15.9	23.8	8.8	17.3
23	21.7	12.1	17.6	32.1	9.9	21.7	24.2	9.5	16.9	15.8	.4	10.4
24	24.2	7.8	15.5	29.7	13.9	22.1	26.0	10.2	15.9	8.1	-1.7	1.9
25	25.1	7.8	16.4	29.7	10.2	21.2	25.5	10.6	17.8	17.7	-4.2	6.1
26	21.3	10.2	14.8	29.2	12.1	21.4	22.9	11.0	17.0	21.3	-1.0	10.6
27	23.3	7.1	13.8	28.2	11.7	21.1	24.6	10.2	16.5	22.9	2.8	12.7
28	24.6	7.1	16.7	31.1	11.3	22.0	26.0	11.3	17.5	22.5	5.3	13.4
29	26.4	9.9	18.3	31.1	11.0	22.1	24.2	11.7	17.8	21.7	7.8	12.7
30	25.5	9.5	18.1	28.7	12.4	20.7	21.3	10.6	14.8	21.7	8.1	14.1
31	---	---	---	29.7	9.5	20.2	20.9	8.1	13.4	---	---	---
MONTH	30.6	3.2	16.8	32.1	7.8	20.0	32.1	8.1	18.4	30.1	-4.2	14.3
YEAR	32.1	-21.6	8.3									

381001107412300 DRY CREEK METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.0	.0
2	.0	.0	.4	.1	.0	.1	.1	.0	.0	.0	.0	.0
3	.0	.0	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
7	.1	.0	.0	.0	.0	.8	.0	.1	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.3	.0	.2
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
10	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
15	.0	.0	.0	.0	.0	.2	.2	.0	---	.1	.0	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	---	.0	.2	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.5
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
21	.0	.2	.1	.3	.0	.2	.0	.0	.0	.0	.1	.0
22	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.5	.2
25	.0	.0	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0
26	.0	.0	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
28	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.3
30	.0	.0	.0	.0	---	.2	.0	.0	.0	.0	.2	.0
31	.0	---	.0	.0	---	.2	---	.0	---	.0	.0	---
TOTAL	0.1	0.5	1.3	1.5	0.2	2.4	0.4	1.4	0.2	1.1	1.3	1.4

CAL YR 1999 TOTAL 16.6
WTR YR 2000 TOTAL 11.8

381422107453000 RIDGWAY RESERVOIR METEOROLOGICAL STATION NEAR RIDGWAY, CO

LOCATION.--Lat 38°14'22", long 107°45'30", in $NE^1/_4SE^1/_4$ sec.17, T.46 N, R.8 W., Ouray County, Hydrologic Unit 14020006, 6.3 mi north of Ridgway, and 6.7 mi south of Colona.

PERIOD OF RECORD.--October 1991 to current year.

GAGE.--Weighing-bucket rain gage with satellite telemetry. Elevation of gage is 6,710 ft above sea level, from topographic map.

REMARKS.--Unpublished air-temperature and precipitation data for water years 1992 and 1993 are available in district office. Daily record for air temperature is good. Daily record for precipitation is good.

EXTREMES FOR PERIOD OF RECORD.--
AIR TEMPERATURE: Maximum recorded, 33.2°C, June 26, 1994, June 29, 30 and July 19, 1998, July 23, 2000; minimum recorded, -23.6°C, Dec. 13, 1993.
PRECIPITATION: Maximum daily, 1.7 inches, Oct. 3, 1996.

EXTREMES FOR CURRENT YEAR.--
AIR TEMPERATURE: Maximum, 33.2°C, July 23; minimum, -20.2°C, Jan. 4.
PRECIPITATION: Maximum daily, 0.8 inches, May 8.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.8	2.1	12.7	15.0	-3.5	4.9	14.3	-3.5	5.3	1.4	-4.9	-1.9
2	22.1	2.8	12.3	16.1	-4.2	4.5	7.1	-2.1	1.1	1.8	-7.9	-3.5
3	20.5	3.5	11.7	15.8	-3.5	5.2	-1.0	-4.9	-3.0	-3.8	-17.9	-10.8
4	22.1	.7	10.4	19.3	-2.1	6.6	.4	-13.7	-6.6	1.8	-20.2	-10.1
5	24.6	1.8	13.0	20.9	-2.1	7.7	3.9	-15.7	-7.8	-.7	-12.9	-6.4
6	19.7	9.5	13.4	18.9	-1.0	7.3	6.7	-12.5	-5.0	-1.7	-17.0	-11.1
7	10.6	3.5	6.7	18.9	-2.1	7.6	7.1	-8.3	-1.1	-2.1	-18.3	-10.2
8	17.3	.0	8.0	19.3	1.8	9.5	-2.4	-9.4	-4.0	2.5	-15.3	-6.8
9	22.1	1.1	10.7	15.0	-1.0	5.8	.7	---	---	1.8	-9.0	-3.1
10	24.2	3.2	12.6	16.5	-3.5	5.1	-.7	-7.1	-4.3	7.4	-.3	4.3
11	25.1	3.2	13.4	17.3	-2.1	5.9	-3.1	-14.1	-7.0	13.1	5.3	7.7
12	24.6	3.5	13.3	17.7	-4.9	4.8	1.4	-14.9	-7.3	9.2	-2.8	4.6
13	23.3	2.8	11.9	16.5	-6.8	3.9	5.3	-12.1	-4.3	11.7	-5.7	1.0
14	23.8	2.1	12.0	17.7	-4.2	4.8	-3.8	-18.3	-11.6	12.8	-7.1	.6
15	21.3	4.2	12.3	19.3	-.3	6.7	1.1	-19.7	-11.4	13.1	-1.4	4.2
16	12.1	-3.1	3.6	18.1	-3.8	6.4	3.5	-13.3	-5.4	13.1	2.8	6.1
17	8.5	-7.5	.3	19.3	1.8	10.2	4.9	-7.9	-2.3	8.5	2.1	4.4
18	12.4	-5.3	3.2	11.3	-6.4	2.0	8.5	-8.6	-1.8	8.8	2.5	5.0
19	13.1	-4.6	3.7	9.5	-9.0	-.8	3.5	-10.9	-6.0	12.8	-2.1	4.8
20	15.8	-4.2	4.9	13.1	-3.1	3.0	-2.1	-12.1	-6.4	10.6	-2.8	2.2
21	17.7	-2.4	6.2	6.0	-3.8	.3	-2.8	-13.3	-7.7	8.8	-1.4	2.9
22	19.3	-2.1	7.3	-1.0	-5.3	-3.6	1.1	-15.7	-8.7	5.7	-4.9	.0
23	19.3	-1.7	7.9	.4	-11.7	-6.1	2.1	-15.3	-7.7	5.3	-9.0	-2.8
24	18.5	-.7	7.6	.0	-13.7	-8.2	4.2	-12.9	-6.0	2.8	-3.5	.3
25	18.1	-2.1	6.9	4.6	-12.1	-4.6	6.7	-12.1	-5.0	3.2	-.7	1.4
26	19.7	-1.7	7.6	10.6	-5.7	2.2	5.7	-10.9	-3.9	3.9	-.3	1.0
27	18.9	.7	8.4	13.1	-.3	5.2	7.4	-11.3	-4.3	1.1	-6.8	-1.9
28	20.9	-1.0	10.2	13.9	-2.8	3.5	7.4	-9.8	-3.3	-1.4	-10.1	-6.1
29	13.9	-3.8	3.4	14.3	-3.1	3.7	5.7	-8.6	-2.5	1.4	-14.9	-8.2
30	10.6	-6.8	1.1	15.0	-1.0	5.0	6.0	-12.1	-4.3	4.2	-14.9	-6.7
31	16.5	-4.9	4.5	---	---	---	7.1	-10.1	-2.8	.4	-9.8	-4.1
MONTH	25.1	-7.5	8.4	20.9	-13.7	3.6	14.3	-19.7	-4.8	13.1	-20.2	-1.4

381422107453000 RIDGWAY RESERVOIR METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.2	-9.0	-3.4	6.7	-4.2	.9	7.4	-2.8	1.0	19.3	.0	9.3
2	8.1	-10.5	-2.7	3.9	-3.8	.2	8.8	-2.8	2.2	24.6	2.8	13.9
3	12.8	-8.6	.9	11.3	-6.8	1.2	9.5	-3.8	3.0	26.0	3.5	15.7
4	9.2	-6.4	.8	16.1	-4.2	4.4	19.7	-1.7	8.8	26.9	6.0	17.2
5	8.1	-4.9	1.0	8.1	-4.6	2.4	19.7	1.1	10.5	26.4	6.0	16.4
6	9.9	-5.3	.9	8.8	-6.4	1.8	19.3	4.2	12.3	23.8	8.1	17.5
7	10.2	-6.0	.8	2.5	-1.7	.3	15.4	1.8	8.9	22.1	7.1	15.0
8	11.3	-6.4	1.6	4.6	-6.0	-.1	18.1	-2.4	7.9	11.0	4.9	7.2
9	7.8	-1.4	2.5	4.2	-1.4	.6	19.3	1.1	10.9	19.7	1.4	10.8
10	8.5	.7	3.9	3.5	-6.4	-2.0	16.1	.4	8.7	24.6	8.5	18.3
11	9.2	-1.4	3.3	9.9	-9.0	.9	14.3	.4	7.7	19.7	3.2	14.6
12	4.6	-1.7	1.7	8.5	-1.7	2.5	18.5	-.3	9.4	9.9	-1.7	4.2
13	2.8	-.7	.8	11.3	-4.6	2.5	20.9	1.1	11.4	16.1	-1.4	7.5
14	10.6	.4	5.0	12.8	-4.9	4.1	16.5	4.2	10.9	20.1	1.8	11.7
15	9.2	-1.4	5.0	11.3	-3.1	2.1	8.1	.7	4.0	23.3	4.9	14.6
16	12.1	-3.8	3.1	6.7	-3.8	-.4	17.3	-1.0	8.3	22.1	9.5	17.5
17	3.5	-.7	1.3	9.5	-3.8	2.0	21.3	1.1	11.5	12.8	5.3	9.1
18	5.3	-4.2	.2	3.5	-6.0	-1.7	17.3	2.5	9.4	11.0	1.1	6.2
19	7.1	-8.6	-1.5	11.3	-7.5	4.0	7.1	-2.4	3.3	17.7	-.3	8.7
20	13.5	-7.1	2.1	9.5	-4.2	-.2	17.3	-3.5	7.0	20.1	3.9	12.5
21	12.8	.4	5.4	2.1	-4.6	-1.5	19.7	.4	9.3	22.9	3.2	13.6
22	6.4	-3.5	1.6	7.4	-2.4	1.5	11.7	4.9	8.7	26.4	5.3	17.0
23	9.2	-6.8	1.1	11.3	-2.8	4.6	15.8	4.9	9.6	28.7	8.8	19.5
24	6.7	-3.1	1.2	12.4	-1.0	6.1	14.3	1.8	8.1	24.2	11.0	17.2
25	-1.4	-4.6	-3.4	16.1	-.3	7.1	20.9	-1.7	9.8	22.9	6.0	14.2
26	6.0	-10.5	-2.1	13.9	.0	6.7	22.1	2.8	13.3	17.3	6.4	12.1
27	14.6	-5.7	4.2	17.7	-1.4	7.7	24.6	3.5	14.4	24.6	4.2	14.8
28	9.2	-2.1	4.9	9.2	2.5	4.9	22.1	5.3	14.3	29.7	7.8	19.8
29	8.1	-2.4	1.6	11.3	-1.4	4.6	17.7	6.7	11.9	30.6	11.7	22.1
30	---	---	---	10.2	-1.4	2.4	14.6	5.7	9.2	30.1	10.2	21.5
31	---	---	---	1.4	-2.8	-.9	---	---	---	28.7	11.3	20.1
MONTH	14.6	-10.5	1.4	17.7	-9.0	2.2	24.6	-3.8	8.9	30.6	-1.7	14.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.8	5.7	17.5	27.8	13.1	20.2	32.1	11.7	23.1	20.5	9.2	15.6
2	27.8	7.8	18.8	28.7	10.2	20.4	32.1	14.6	24.3	24.2	9.2	17.3
3	27.8	8.5	18.5	28.2	14.6	22.9	30.1	15.8	23.2	25.1	7.8	16.5
4	28.2	7.4	18.5	27.8	8.8	19.1	29.7	15.8	22.3	28.2	7.8	19.2
5	29.2	6.7	17.6	30.6	9.2	20.1	29.7	11.7	21.2	26.9	12.1	19.2
6	29.7	6.7	19.5	31.1	9.9	21.4	29.2	11.0	20.7	23.3	11.7	16.6
7	31.1	9.2	20.9	29.2	12.8	20.1	30.1	10.2	21.0	22.9	7.4	15.5
8	26.9	10.2	19.2	26.9	12.8	18.5	31.1	10.6	22.5	22.1	7.4	12.5
9	22.9	10.2	16.9	23.3	12.1	16.9	31.6	12.4	22.0	23.8	5.7	14.6
10	24.6	4.2	15.8	27.8	11.3	19.6	28.7	11.3	21.0	25.5	5.7	16.2
11	26.4	7.4	17.5	29.7	12.1	21.2	27.8	13.5	20.6	25.5	8.5	16.5
12	27.3	7.1	18.4	28.2	12.8	21.0	27.3	14.3	20.4	25.1	6.0	15.4
13	23.8	9.9	18.1	30.1	12.1	21.9	28.2	11.3	20.0	26.9	6.4	16.7
14	23.8	5.3	15.5	29.2	13.5	20.8	28.7	12.1	18.7	29.2	7.4	18.0
15	28.7	8.1	19.2	29.7	11.7	20.4	27.3	12.1	18.1	28.7	9.2	19.2
16	26.0	6.4	16.8	27.8	11.7	18.2	28.2	12.8	19.9	30.1	8.8	19.1
17	23.3	4.2	14.4	24.6	13.9	18.4	25.5	10.6	18.0	27.8	9.2	19.0
18	23.3	9.9	15.9	31.1	11.3	21.6	19.3	12.8	15.7	20.9	8.5	14.2
19	24.6	8.8	15.5	32.1	8.8	20.9	23.3	11.7	17.5	24.2	6.0	14.6
20	22.9	8.5	16.2	31.1	9.9	21.3	25.5	11.7	18.0	21.7	4.9	12.8
21	26.4	4.6	16.3	31.6	9.9	21.4	25.1	11.0	16.3	23.8	7.1	14.4
22	26.9	8.5	18.8	31.1	11.0	21.3	24.6	11.7	16.7	25.1	9.9	19.7
23	23.8	12.4	18.8	33.2	9.9	22.1	25.1	9.9	17.8	17.7	.4	12.4
24	25.5	9.2	16.6	30.6	14.6	22.4	26.4	9.9	16.7	7.1	-.7	2.3
25	26.0	8.5	17.1	30.1	11.7	22.3	26.0	10.6	18.2	16.9	-3.5	5.9
26	20.1	9.9	15.2	29.2	12.8	22.5	23.3	13.5	17.8	21.7	.4	10.6
27	22.1	7.1	14.7	30.1	12.4	22.2	25.1	11.0	16.6	22.9	3.5	13.1
28	26.0	7.4	17.8	31.1	12.1	22.7	24.6	12.4	18.5	23.8	6.4	14.0
29	26.9	11.0	19.7	31.1	10.6	22.4	26.0	13.9	18.7	21.7	8.1	14.0
30	26.9	9.2	19.2	29.7	12.8	21.7	21.7	11.7	15.8	23.3	8.5	15.1
31	---	---	---	29.2	10.6	20.8	21.3	8.8	15.1	---	---	---
MONTH	31.1	4.2	17.5	33.2	8.8	20.9	32.1	8.8	19.2	30.1	-3.5	15.0
YEAR	33.2	-20.2	8.8									

381422107453000 RIDGWAY RESERVOIR METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.4	.1	.0	.1	.1	.0	.0	.0	.0	.0
3	.0	.0	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
7	.1	.0	.0	.0	.0	.3	.0	.2	.0	.0	.0	.0
8	.0	.0	.1	.0	.0	.0	.0	.8	.1	.1	.0	.2
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1
10	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
15	.0	.0	.0	.0	.0	.3	.1	.0	.0	.1	.5	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	.1
22	.0	.1	.0	.1	.2	.0	.0	.0	.0	.0	.1	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
25	.0	.1	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0
26	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.1	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
28	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
30	.0	.0	.0	.0	---	.2	.0	.0	.0	.0	.1	.0
31	.0	---	.0	.0	---	.1	---	.0	---	.0	.0	---
TOTAL	0.1	0.2	1.1	1.0	0.4	1.6	0.2	1.0	0.3	0.6	2.1	1.6

CAL YR 1999 TOTAL 15.9
WTR YR 2000 TOTAL 10.2

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

09010500 COLORADO RIVER BELOW BAKER GULCH, NEAR GRAND LAKE, CO (LAT 40 19 33N LONG 105 51 22W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
14...	1132	15	70	4.5	18...	0943	207	46	1.0
NOV					JUN				
04...	1030	7.3	72	.5	13...	1622	183	42	10.0
JAN					JUL				
12...	1352	8.5	73	.0	11...	1605	55	62	17.0
MAR					AUG				
08...	1411	10	72	.5	08...	1650	20	67	18.5
APR					SEP				
19...	1255	36	56	.0	14...	1100	16	72	11.5

09019500 COLORADO RIVER NEAR GRANBY, CO (LAT 40 07 15N LONG 105 54 00W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					JUL				
14...	0942	110	51	6.0	11...	1349	82	56	14.5
APR					AUG				
19...	1001	28	71	1.5	08...	1234	39	58	13.0
MAY					SEP				
17...	1631	84	62	4.5	14...	1252	18	70	11.5
JUN									
13...	1334	468	51	8.5					

09024000 FRASER RIVER AT WINTER PARK, CO (LAT 39 54 00N LONG 105 46 34W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
13...	1658	16	85	6.0	17...	1435	22	100	1.0
NOV					JUN				
02...	1145	5.6	105	1.0	14...	1048	19	76	7.5
JAN					JUL				
11...	1730	7.1	122	.5	10...	1008	37	66	8.5
MAR					AUG				
06...	1218	4.9	187	2.0	07...	1213	18	83	10.5
APR					SEP				
17...	1517	16	200	7.0	12...	1030	8.7	101	6.5

09025000 VASQUEZ CREEK AT WINTER PARK, CO (LAT 39 55 13N LONG 105 47 05W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
13...	0853	4.1	45	1.5	17...	1310	13	42	1.5
NOV					JUN				
03...	1031	1.4	48	.0	12...	1643	9.3	34	11.2
JAN					JUL				
11...	1539	8.3	50	.0	10...	1500	8.6	42	13.5
MAR					AUG				
06...	1713	8.4	60	.0	09...	1345	8.4	46	12.5
APR					SEP				
17...	1640	8.8	63	3.5	12...	1155	9.8	48	7.5

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09025300 ELK CREEK AT UPPER STATION, NEAR FRASER, CO (LAT 39 53 21N LONG 105 49 55W)

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT					JUL				
13...	1039	.83	42	1.0	10...	1612	2.3	33	8.5
MAY					AUG				
17...	0854	.38	37	1.0	07...	1400	.99	37	10.0
JUN									
12...	1332	5.5	28	5.8					

09026500 ST. LOUIS CREEK NEAR FRASER, CO (LAT 39 54 36N LONG 105 52 40W)

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT					MAY				
12...	1303	17	72	4.0	17...	1120	23	71	2.5
NOV					JUN				
02...	1336	7.2	90	.0	12...	1522	57	55	9.5
JAN					JUL				
13...	1327	6.3	86	.0	11...	0842	15	71	7.5
MAR					AUG				
06...	1436	8.0	87	.0	07...	1537	14	71	14.5
APR					SEP				
18...	1252	14	83	2.0	13...	1242	11	76	8.5

09032100 CABIN CREEK NEAR FRASER, CO (LAT 39 59 09N LONG 105 44 40W)

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT					JUN				
13...	1442	2.6	43	4.5	14...	0836	16	27	3.0
NOV					JUL				
03...	1349	3.9	42	.0	12...	0913	6.5	37	8.0
JAN					AUG				
25...	1438	2.8	43	.0	09...	1022	2.7	43	9.5
MAR					SEP				
07...	1032	1.1	45	.5	12...	1314	2.3	44	8.0
MAY									
16...	1422	3.1	23	6.5					

09034900 BOBTAIL CREEK NEAR JONES PASS, CO (LAT 39 45 37N LONG 105 54 21W)

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT					MAY				
19...	0946	2.6	60	.0	26...	1410	44	35	.5
NOV					JUN				
17...	1100	1.7	67	.3	21...	1330	29	36	9.8
JAN					AUG				
20...	1410	.85	71	.1	07...	1258	4.4	55	13.0
MAR					SEP				
02...	1310	.68	74	.2	06...	1030	7.4	62	6.5
APR									
25...	1300	1.2	75	.5					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09035500 WILLIAMS FORK BELOW STEELMAN CREEK, CO (LAT 39 46 44N LONG 105 55 40W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
19...	1215	7.8	60	.0	26...	1120	119	34	1.5
NOV					JUN				
17...	1240	5.2	61	.3	21...	1110	79	36	4.8
JAN					AUG				
20...	1140	3.3	68	.3	07...	1245	12	58	12.0
MAR					SEP				
02...	1110	2.9	72	.3	06...	1250	1.1	80	8.5
APR									
25...	1205	6.3	65	.5					

09035700 WILLIAMS FORK ABOVE DARLING CREEK, NEAR LEAL, CO (LAT 39 47 22N LONG 106 01 18W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
20...	1105	17	65	.5	03...	1330	64	55	7.0
NOV					23...	1400	130	44	7.5
23...	1445	9.5	77	.0	JUN				
JAN					06...	1330	265	36	7.5
20...	1320	8.1	71	.0	JUL				
MAR					11...	1340	28	54	8.5
01...	1400	8.4	73	.0	AUG				
APR					15...	1430	10	67	5.5
13...	1210	13	70	3.0	SEP				
					25...	1300	11	65	7.0

09035800 DARLING CREEK NEAR LEAL, CO (LAT 39 48 17N LONG 106 01 11W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
20...	1230	3.6	76	.0	03...	1050	9.7	67	2.5
NOV					23...	1100	26	54	4.0
23...	1150	2.8	80	.0	JUN				
JAN					06...	1140	55	46	5.0
20...	1520	2.2	81	.0	20...	1545	25	52	7.0
MAR					JUL				
01...	1130	2.0	85	.0	11...	1220	9.1	64	9.0
APR					AUG				
04...	1120	2.2	84	.5	15...	1235	3.8	78	10.0
					SEP				
					25...	1130	3.7	77	1.0

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09035900 SOUTH FORK OF WILLIAMS FORK NEAR LEAL, CO (LAT 39 47 44N LONG 106 01 49W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
20...	1430	11	85	1.5
NOV				
23...	1330	7.9	91	.0
JAN				
20...	1130	7.8	93	.0
MAR				
02...	0850	7.4	94	.0
APR				
13...	1330	10	92	4.0
MAY				
03...	1500	44	69	7.0
23...	1505	97	56	8.0
JUN				
06...	1445	191	46	9.0
JUL				
11...	1530	38	68	14.5
AUG				
15...	1550	15	84	13.0
SEP				
25...	1400	15	86	3.5

09036000 WILLIAMS FORK NEAR LEAL, CO (LAT 39 49 53N LONG 106 03 15W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
21...	1000	27	80	1.0
NOV				
23...	1630	27	82	.5
JAN				
20...	1715	22	85	.5
MAR				
01...	1630	19	87	1.5
APR				
04...	1630	19	88	5.0
MAY				
03...	1620	139	66	9.5
23...	1630	327	55	10.0
JUN				
06...	1710	630	47	10.0
JUL				
11...	1730	98	67	15.5
AUG				
15...	1800	40	83	13.5
SEP				
26...	0915	40	80	3.0

09037500 WILLIAMS FORK NEAR PARSHALL, CO (LAT 40 00 01N LONG 106 10 45W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
21...	1135	47	101	2.5
NOV				
24...	0945	38	120	.0
JAN				
21...	1130	41	105	.0
MAR				
02...	1100	38	109	1.5
APR				
05...	1030	46	108	4.0
MAY				
04...	1230	308	69	7.0
24...	1400	516	51	6.5
JUN				
07...	1000	620	47	7.5
JUL				
12...	1005	14	114	15.0
AUG				
16...	0935	15	130	15.0
SEP				
26...	1045	74	101	5.5

09038500 WILLIAMS FORK BELOW WILLIAMS FORK RESERVOIR, CO (LAT 40 02 07N LONG 106 12 17W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
21...	1345	108	102	9.0
NOV				
24...	1145	100	105	6.0
MAR				
02...	1230	152	113	3.0
APR				
05...	1210	83	132	4.0
MAY				
24...	1200	48	127	5.0
JUN				
07...	1300	410	104	7.0
JUL				
12...	1240	113	97	8.5
AUG				
16...	1200	151	95	9.0
SEP				
26...	1220	105	92	11.0

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09046490 BLUE RIVER AT BLUE RIVER, CO (LAT 39 27 21N LONG 106 01 52W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
05...	1038	19	162	7.5
NOV				
01...	1340	14	167	4.5
JAN				
03...	1421	--	193	1.0
MAR				
07...	1324	20	193	1.0
MAY				
01...	1226	72	--	--
JUN				
06...	1430	80	134	11.0
JUL				
12...	1753	39	129	14.5
AUG				
17...	0820	32	145	14.0
SEP				
06...	1208	43	129	12.5

09046530 FRENCH GULCH AT BRECKENRIDGE, CO (LAT 39 29 35N LONG 106 02 39W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
NOV				
30...	1200	2.9	269	2.4
JAN				
03...	1523	1.9	--	--
MAR				
07...	1545	1.9	329	2.0
28...	1548	2.2	334	2.5
MAY				
01...	1508	7.6	--	--
JUN				
06...	1600	40	143	7.5
JUL				
12...	1854	11	187	8.5
AUG				
09...	1230	5.6	223	9.0
SEP				
06...	1341	6.3	232	8.5

09046600 BLUE RIVER NEAR DILLON, CO (LAT 39 34 00N LONG 106 02 56W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
05...	1218	54	157	10.5
NOV				
01...	1600	37	160	7.0
JAN				
03...	1254	24	156	1.0
MAR				
07...	1220	37	197	5.0
27...	1555	26	197	8.5
MAY				
01...	1637	172	--	--
JUN				
09...	1445	296	116	10.0
JUL				
13...	1432	107	151	14.0
AUG				
09...	1335	61	162	14.7
SEP				
06...	1533	83	161	13.0

09047500 SNAKE RIVER NEAR MONTEZUMA, CO (LAT 39 36 20N LONG 105 56 33W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
04...	1548	36	115	6.0
NOV				
02...	1303	27	116	1.0
JAN				
05...	0933	14	136	.0
MAR				
08...	1020	11	147	.0
29...	1120	12	160	1.5
APR				
28...	1320	43	155	4.0
JUN				
07...	1322	247	67	8.5
JUL				
11...	1326	94	--	--
AUG				
08...	1050	38	103	8.5
SEP				
05...	1253	38	120	11.0

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09047700 KEYSTONE GULCH NEAR DILLON, CO (LAT 39 35 40N LONG 105 58 19W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
04...	1655	3.8	84	5.5
NOV				
02...	1515	5.8	83	1.0
JAN				
05...	1111	2.8	90	.0
MAR				
08...	1145	2.5	88	.0
27...	1330	2.7	88	.5
MAY				
02...	1432	8.2	88	7.0
JUN				
07...	1506	21	65	11.0
JUL				
11...	1522	6.0	80	14.5
AUG				
08...	0950	3.7	88	8.7
SEP				
05...	1410	2.9	90	13.5

09050100 TENMILE CREEK BELOW NORTH TENMILE CREEK, AT FRISCO, CO (LAT 39 34 37N LONG 106 06 33W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	1028	48	862	5.0
NOV				
01...	1710	48	1100	4.0
JAN				
05...	1350	25	1080	.0
MAR				
06...	1430	27	1190	2.0
29...	1415	26	1290	6.0
MAY				
03...	1309	194	--	--
JUN				
08...	1517	489	270	10.0
JUL				
13...	1324	120	645	13.5
AUG				
09...	1430	39	--	12.0
SEP				
06...	1707	54	660	11.5

09050700 BLUE RIVER BELOW DILLON, CO (LAT 39 37 32N LONG 106 03 57W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	1213	137	218	7.5
NOV				
03...	1037	109	222	7.5
JAN				
04...	1128	110	259	3.0
MAR				
06...	1600	108	318	3.0
28...	1758	106	330	3.0
MAY				
03...	1517	64	339	5.5
JUN				
09...	1530	769	222	11.5
12...	1134	543	--	--
15...	0820	393	--	--
JUL				
14...	0934	75	--	--
AUG				
08...	1215	110	253	7.0
17...	1310	84	--	--
SEP				
07...	0942	76	251	6.0

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09051050 STRAIGHT CREEK BELOW LASKEY GULCH NEAR DILLON, CO (LAT 39 38 23N LONG 106 02 23W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					JUN				
06...	1335	8.0	127	6.0	07...	1657	99	--	--
NOV					JUL				
03...	1156	4.8	117	.5	26...	0900	11	--	--
JAN					AUG				
05...	1215	5.0	168	.0	08...	0845	6.2	139	7.4
MAR					SEP				
07...	1115	4.7	467	1.5	07...	1138	8.0	148	8.5
29...	1600	3.4	316	3.0					
MAY									
02...	1818	22	269	8.0					

09057500 BLUE RIVER BELOW GREEN MOUNTAIN RESERVOIR, CO (LAT 39 52 49N LONG 106 20 00W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
14...	1152	702	--	--	02...	1200	212	230	5.5
NOV					JUN				
02...	1150	650	195	9.0	09...	0945	100	212	8.5
JAN					JUL				
04...	1530	276	196	3.0	12...	1425	388	192	9.5
MAR					AUG				
06...	1226	299	218	3.0	16...	1530	944	179	17.5
28...	1235	272	252	2.5					

09058500 PINEY RIVER BELOW PINEY LAKE, NEAR MINTURN, CO (LAT 39 42 29N LONG 106 25 38W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					JUN				
15...	0950	5.0	52	3.1	01...	1835	193	16	7.4
NOV					13...	1735	85	17	8.5
09...	1430	2.7	57	2.3	JUL				
JAN					18...	1450	31	36	19.4
06...	1140	2.3	74	.0	AUG				
FEB					18...	1010	9.2	50	13.7
29...	1255	2.2	68	.0					
APR									
19...	1030	21	60	.5					

09058610 DICKSON CREEK NEAR VAIL, CO (LAT 39 42 14N LONG 106 27 25W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
14...	1320	1.3	381	7.7	25...	1215	18	144	7.9
NOV					JUN				
09...	0915	1.2	406	2.7	15...	1105	6.4	217	11.2
JAN					JUL				
12...	0955	1.1	399	.0	19...	1250	2.5	350	17.0
FEB					AUG				
29...	0945	.92	172	.0	22...	1400	1.4	364	16.5
APR									
19...	1455	1.9	322	.6					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09058700 FREEMAN CREEK NEAR MINTURN, CO (LAT 39 41 55N LONG 106 26 41W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
14...	1000	.26	244	3.3
NOV				
09...	1050	.15	266	2.6
JAN				
06...	1430	.09	295	.0
APR				
19...	1910	.84	122	.1
MAY				
25...	1615	12	83	9.4
JUN				
13...	1905	1.8	138	12.7
JUL				
18...	1010	.56	233	13.2
AUG				
22...	1205	.40	239	13.4

09058800 EAST MEADOW CREEK NEAR MINTURN, CO (LAT 39 43 54N LONG 106 25 36W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
14...	1540	.94	72	2.7
NOV				
09...	1245	.92	76	.0
APR				
19...	1220	1.1	83	.2
JUN				
01...	1140	38	20	3.7
13...	1510	14	25	5.9
JUL				
18...	1215	2.8	56	8.9
AUG				
22...	0940	1.3	65	7.1

09058900 MONIGER CREEK NEAR MINTURN, CO (LAT 39 43 37N LONG 106 28 50W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
14...	1145	.05	173	1.8
JUN				
15...	0845	.84	75	5.1
JUL				
19...	1040	.09	163	8.2
AUG				
21...	1735	.02	170	9.7

09059500 PINEY RIVER NEAR STATE BRIDGE, CO (LAT 39 48 00N LONG 106 35 00W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
07...	1115	21	330	5.5
21...	1100	19	331	.2
NOV				
17...	0910	15	385	.0
JAN				
11...	1100	17	389	.0
MAR				
02...	1010	15	--	.7
APR				
11...	1535	58	273	7.1
MAY				
30...	1850	647	109	10.3
JUN				
15...	1650	174	106	15.0
JUL				
17...	1325	52	224	13.8
AUG				
18...	1455	22	336	16.5

09063200 WEARYMAN CREEK NEAR RED CLIFF, CO (LAT 39 31 14N LONG 106 19 06W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
13...	1035	3.5	300	1.8
NOV				
08...	1325	2.7	308	.5
JAN				
04...	1250	1.6	321	.0
MAR				
01...	0930	1.4	286	.0
MAY				
24...	1125	32	124	4.0
JUN				
14...	1530	33	144	6.9
JUL				
17...	1700	11	262	8.0
AUG				
17...	1540	5.7	270	7.6

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09063400 TURKEY CREEK NEAR RED CLIFF, CO (LAT 39 31 32N LONG 106 20 08W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
13...	0910	6.9	293	1.6
NOV				
08...	1425	8.4	300	.3
JAN				
04...	1400	3.7	315	.0
APR				
25...	1245	14	285	3.1
MAY				
24...	1255	149	--	5.4
JUN				
14...	1355	84	208	7.1
JUL				
19...	1920	21	257	9.5
AUG				
22...	1735	11	281	10.2

09063900 MISSOURI CREEK NEAR GOLD PARK, CO (LAT 39 23 25N LONG 106 28 10W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
13...	1530	4.8	37	6.0
NOV				
10...	1025	.59	49	.0
JAN				
07...	1130	.48	47	.0
APR				
26...	0945	3.8	35	.4
MAY				
23...	1400	30	16	4.8
31...	1405	38	14	6.5
JUN				
15...	1200	8.4	25	7.2
JUL				
20...	0925	17	23	8.6
AUG				
23...	1105	5.5	30	10.1

09064000 HOMESTAKE CREEK AT GOLD PARK, CO (LAT 39 24 20N LONG 106 25 58W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
13...	1400	14	36	6.8
NOV				
10...	1135	8.6	41	.2
JAN				
07...	1300	5.6	44	.0
MAR				
01...	1345	4.4	--	.0
APR				
26...	0840	23	36	.4
MAY				
23...	1635	93	18	9.2
31...	1010	146	13	4.2
JUN				
15...	1020	219	19	6.7
JUL				
20...	1130	56	24	11.9
AUG				
23...	0940	15	32	8.8

09064500 HOMESTAKE CREEK NEAR RED CLIFF, CO (LAT 39 28 24N LONG 106 22 02W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
12...	1445	21	39	8.2
NOV				
10...	1255	5.3	43	3.0
JAN				
07...	1429	5.5	48	.0
MAR				
01...	1230	14	--	.0
APR				
25...	1735	82	39	7.5
MAY				
23...	1840	144	23	13.3
JUN				
15...	0855	252	24	6.4
JUL				
20...	1325	69	27	13.9
AUG				
17...	0935	22	36	11.2

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09064600 EAGLE RIVER NEAR MINTURN, CO (LAT 39 33 14N LONG 106 24 07W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	0820	52	165	4.8
NOV				
16...	1000	24	215	.3
APR				
20...	0950	129	149	2.2
MAY				
18...	1255	383	74	4.7
31...	1805	833	76	10.8
JUN				
15...	0715	468	97	6.7
JUL				
18...	1230	207	69	13.4
AUG				
16...	0900	57	166	12.1

09065100 CROSS CREEK NEAR MINTURN, CO (LAT 39 34 05N LONG 106 24 45W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	0940	16	52	5.2
NOV				
16...	0940	4.8	58	.3
JAN				
13...	0820	3.6	62	.0
MAR				
01...	1620	4.5	--	.0
APR				
20...	0845	27	39	.9
MAY				
18...	0902	100	17	2.4
JUN				
02...	1000	357	13	5.4
13...	1430	166	23	8.0
JUL				
18...	1100	98	19	12.1
AUG				
16...	1140	32	41	15.4

09065500 GORE CREEK AT UPPER STATION, NEAR MINTURN, CO (LAT 39 37 40N LONG 106 16 24W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
07...	1033	12	68	4.0
NOV				
02...	1645	9.5	70	.0
JAN				
19...	1427	3.4	76	.5
MAR				
17...	1023	3.6	77	.5
APR				
06...	1345	10	70	2.0
14...	1440	--	46	2.4
MAY				
10...	1000	60	44	4.0
JUN				
07...	1120	158	32	5.0
JUL				
25...	1040	20	54	9.5
AUG				
17...	1310	11	59	11.6
17...	1340	11	63	12.0
SEP				
25...	1154	8.4	68	2.2

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09066000 BLACK GORE CREEK NEAR MINTURN, CO (LAT 39 35 47N LONG 106 15 52W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
07...	0831	4.9	213	2.7
NOV				
08...	0945	2.6	272	.5
JAN				
19...	1145	4.0	325	.0
MAR				
09...	1008	3.8	487	.5
APR				
06...	1135	5.8	550	2.5
MAY				
10...	1725	95	136	4.8
JUN				
07...	0938	92	100	5.0
JUL				
26...	1220	6.9	--	--
AUG				
29...	1111	4.8	--	--
SEP				
21...	1100	2.7	243	6.7

09066100 BIGHORN CREEK NEAR MINTURN, CO (LAT 39 38 24N LONG 106 17 34W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	1543	2.5	69	5.8
NOV				
02...	1120	1.2	73	.1
JAN				
19...	1600	.92	77	.4
MAR				
17...	1208	.92	81	.8
APR				
06...	1520	2.9	74	1.5
MAY				
11...	0949	36	40	3.0
JUN				
08...	0910	47	34	3.5
JUL				
25...	1315	6.5	50	10.0
AUG				
30...	1205	4.1	65	10.4
SEP				
25...	1316	5.1	68	3.1

09066150 PITKIN CREEK NEAR MINTURN, CO (LAT 39 38 37N LONG 106 18 07W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	1312	3.5	83	5.5
NOV				
02...	0940	1.6	90	.1
JAN				
19...	1628	1.7	89	1.0
MAR				
10...	1023	1.5	100	.5
10...	1056	1.5	100	.4
APR				
06...	1600	2.9	121	2.5
MAY				
11...	1024	39	50	3.2
11...	1032	39	50	3.0
JUN				
08...	1018	53	36	4.4
08...	1024	53	36	4.5
JUL				
25...	1410	6.8	67	10.0
25...	1411	6.8	67	10.0
AUG				
29...	1235	6.9	72	9.8
29...	1248	6.9	72	10.0
SEP				
21...	1249	4.0	88	6.6

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09066200 BOOTH CREEK NEAR MINTURN, CO (LAT 39 39 02N LONG 106 19 16W)

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)
OCT				
06...	1425	2.0	108	7.2
NOV				
03...	1205	.58	125	4.5
JAN				
20...	0910	.96	130	.5
MAR				
17...	1256	1.0	138	2.5
APR				
07...	0855	2.8	145	1.5
MAY				
11...	1159	45	74	5.0
JUN				
08...	1130	63	43	6.0
JUL				
25...	1522	2.5	95	12.5
AUG				
29...	1421	3.2	101	13.0
SEP				
25...	1440	3.6	92	7.0

09066300 MIDDLE CREEK NEAR MINTURN, CO (LAT 39 38 50N LONG 106 22 48W)

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)
OCT				
06...	1120	1.0	208	5.0
NOV				
03...	1030	.47	229	1.0
JAN				
20...	1002	.47	231	1.0
MAR				
17...	1345	.28	247	2.5
APR				
07...	1047	.68	248	1.5
MAY				
11...	1330	19	160	5.0
JUN				
08...	1230	42	113	6.0
JUL				
26...	0920	2.0	210	9.0
AUG				
29...	1535	2.3	206	11.5
SEP				
25...	1559	.92	220	6.0

09066325 GORE CREEK ABV RED SANDSTONE CREEK AT VAIL, CO (LAT 39 38 28N LONG 106 23 39W)

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)
OCT				
05...	1212	29	271	8.8
05-05	1212	29	271	9.0
NOV				
03-03	0910	--	--	--
03...	0955	11	373	1.7
16...	1130	13	389	2.0
16...	1345	15	399	3.9
23...	0810	18	--	--
JAN				
20...	1220	20	372	3.0
20...	1221	20	372	3.1
MAR				
09...	1620	21	401	4.4
APR				
07...	1320	38	331	5.0
MAY				
10...	1645	343	153	9.4
JUN				
07...	1504	679	99	9.5
JUL				
03...	1219	161	183	11.4
26...	1145	54	225	13.0
AUG				
30...	0955	48	252	11.2
SEP				
26...	1218	45	239	6.1

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09066400 RED SANDSTONE CREEK NEAR MINTURN, CO (LAT 39 40 58N LONG 106 24 03W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
15...	1140	1.3	109	1.5
NOV				
09...	1620	1.4	107	1.0
JAN				
06...	1550	.97	100	.0
FEB				
29...	1445	1.7	98	.5
APR				
18...	1335	6.2	79	1.2

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
MAY				
24...	1810	105	28	3.8
JUN				
15...	1300	22	39	--
JUL				
18...	1650	4.6	85	12.3
AUG				
18...	1130	2.5	96	8.6

09067000 BEAVER CREEK AT AVON, CO (LAT 39 37 47N LONG 106 31 20W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	1115	5.3	239	6.9
NOV				
16...	1150	3.6	290	1.6
JAN				
11...	1415	2.9	308	.7
FEB				
28...	1510	2.8	335	2.2
APR				
10...	1510	6.3	399	8.3

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
MAY				
26...	1330	82	94	5.0
JUN				
12...	1710	46	59	9.9
JUL				
17...	1525	16	129	15.0
AUG				
17...	0830	6.1	231	11.8

09067020 EAGLE RIVER BELOW WASTEWATER TREATMENT PLANT AT AVON, CO (LAT 39 38 06N LONG 106 31 57W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
14...	1040	136	275	5.6
NOV				
16...	1250	64	364	3.0
FEB				
28...	1430	72	445	6.1

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
MAY				
02...	1050	772	187	4.8
JUL				
18...	0855	494	98	11.5
AUG				
24...	0930	150	258	11.8

09067200 LAKE CREEK NEAR EDWARDS, CO (LAT 39 38 51N LONG 106 36 31W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
07...	1345	33	319	6.5
NOV				
17...	1110	16	486	3.6
JAN				
05...	1005	11	538	1.5
APR				
10...	1326	27	458	8.7
MAY				
26...	1130	305	127	4.8

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
JUN				
12...	1645	157	173	11.2
JUL				
17...	1335	77	168	12.9
AUG				
15...	1440	28	422	16.4
23...	1600	41	352	14.7

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09070000 EAGLE RIVER BELOW GYPSUM, CO (LAT 39 38 58N LONG 106 57 11W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					JUL				
07...	1505	245	859	9.3	17...	1145	627	620	14.6
NOV					AUG				
17...	1320	204	1030	3.4	24...	1145	261	770	16.8
FEB									
28...	1145	171	1030	4.1					

09070500 COLORADO RIVER NEAR DOTSERO, CO (LAT 39 38 38N LONG 107 04 38W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					JUN				
08...	0840	2080	379	8.5	16...	0750	3790	275	13.1
NOV					JUL				
15...	1430	1040	502	3.1	17...	0910	1650	348	17.8
FEB					25...	1316	1460	268	18.9
28...	0936	978	485	3.0	AUG				
APR					24...	1437	1500	431	19.7
12...	1200	1580	444	9.5					

09073400 ROARING FORK RIVER NEAR ASPEN, CO (LAT 39 10 48N LONG 106 48 05W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					APR				
12...	1430	80	75	9.4	27...	1500	84	67	9.3
NOV					JUN				
30...	1120	42	82	1.0	08...	0945	295	36	6.8
JAN					JUL				
26...	1630	27	88	2.7	12...	1130	52	68	12.1
MAR					AUG				
07...	1430	26	89	2.7	24...	1015	54	78	11.0

09074000 HUNTER CREEK NEAR ASPEN, CO (LAT 39 12 21N LONG 106 47 49W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					APR				
12...	1600	35	54	8.2	27...	0850	42	47	1.4
NOV					JUN				
30...	1225	10	71	.4	08...	1240	77	29	8.6
JAN					JUL				
27...	0955	4.6	75	.0	12...	1505	33	42	12.8
MAR					AUG				
08...	1505	5.2	73	1.2	24...	1305	13	58	15.8

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09080400 FRYINGPAN RIVER NEAR RUEDI, CO (LAT 39 21 56N LONG 106 49 30W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
NOV					JUN				
30...	1420	98	181	7.4	15...	1210	351	179	9.0
JAN					JUL				
25...	1550	97	208	3.1	13...	0935	182	197	6.4
MAR					AUG				
09...	0930	98	247	3.2	23...	1020	255	186	7.5
APR									
26...	1325	185	231	4.4					

09089500 WEST DIVIDE CREEK NEAR RAVEN, CO (LAT 39 19 52N LONG 107 34 46W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					JUL				
05...	1005	3.0	433	3.9	14...	1330	3.4	333	23.1
APR					AUG				
13...	1350	75	246	6.6	14...	1355	.11	425	21.2
JUN									
15...	0830	34	214	10.1					

09106150 COLORADO RIVER BELOW GRAND VALLEY DIVERSION NEAR PALISADE CO (LAT 39 05 55N LONG 108 21 16W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					JUL				
01...	1125	1940	752	11.1	10...	1200	1410	778	22.6
NOV					24...	0945	635	928	21.5
30...	1225	1780	1060	4.1	AUG				
JAN					08...	1130	778	864	22.8
21...	1250	2000	1060	3.9	25...	1255	880	878	22.9
MAR					SEP				
08...	1310	2000	1090	6.9	06...	1150	1100	837	17.9
APR					18...	1215	903	938	19.9
04...	1245	1160	1030	11.5					
MAY									
31...	1030	12800	286	13.4					

09107000 TAYLOR RIVER AT TAYLOR PARK, CO (LAT 38 50 59N LONG 106 34 21W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					APR				
07...	1345	99	111	5.8	06...	0915	54	104	.9
NOV					MAY				
16...	0902	29	127	.1	23...	0930	409	64	4.2
JAN					JUN				
19...	1245	36	115	2.0	28...	0920	141	94	8.3
FEB					AUG				
29...	0945	33	118	.8	29...	1700	60	121	15.3

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09109000 TAYLOR RIVER BELOW TAYLOR PARK RESERVOIR, CO (LAT 38 49 06N LONG 106 36 31W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					APR				
07...	1500	301	101	11.1	06...	1111	102	110	3.4
NOV					MAY				
16...	1342	97	97	5.8	23...	1052	149	101	5.6
FEB									
29...	1100	108	107	3.5					

09115500 TOMICHI CREEK AT SARGENTS, CO (LAT 38 23 42N LONG 106 25 19W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					APR				
06...	1205	28	171	8.3	05...	1620	81	168	1.9
NOV					MAY				
17...	1450	51	170	1.5	10...	1815	205	113	13.0
JAN					JUN				
12...	1622	22	155	.1	27...	1635	72	145	17.9
FEB					SEP				
29...	0825	25	157	.0	06...	1313	37	176	15.0

09118450 COCHETOPA CREEK BELOW ROCK CREEK NEAR PARLIN, CO (LAT 38 20 08N LONG 106 46 18W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
06...	0920	52	178	6.3	03...	1245	98	112	11.0
NOV					JUN				
17...	1220	33	196	.2	09...	0940	15	283	12.5
FEB					AUG				
29...	1030	26	217	.1	09...	1245	21	294	17.2
APR					SEP				
05...	0935	47	242	.3	08...	1007	35	214	9.9

09124500 LAKE FORK AT GATEVIEW, CO (LAT 38 17 56N LONG 107 13 46W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
05...	1520	147	161	10.3	22...	1445	641	124	11.7
NOV					JUN				
15...	1420	64	178	2.6	02...	0900	1200	93	7.2
FEB					AUG				
28...	1730	60	183	.0	10...	1500	88	177	19.6
APR									
04...	1430	71	190	7.6					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09126000 CIMARRON RIVER NEAR CIMARRON, CO (LAT 38 15 26N LONG 107 32 46W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
05...	1205	31	131	12.3
07...	1115	30	131	7.9
NOV				
15...	1155	15	135	4.8
DEC				
28...	1430	12	152	2.0
FEB				
28...	1355	13	134	4.2
MAY				
09...	1433	317	107	7.2
JUN				
02...	1340	516	84	8.5
JUL				
19...	1600	123	94	12.5
SEP				
08...	1205	85	152	13.8

09132500 NORTH FORK GUNNISON RIVER NEAR SOMERSET, CO (LAT 38 55 33N LONG 107 26 01W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
NOV				
08...	1110	94	181	9.3
DEC				
01...	1335	73	--	3.7
JAN				
27...	1415	47	154	.0
MAR				
10...	1025	73	152	2.3
13...	1130	73	166	3.5
APR				
26...	1300	943	124	8.7
MAY				
09...	1352	1720	96	9.3
18...	1215	738	122	10.0
JUL				
12...	1445	234	135	16.0
AUG				
15...	1140	236	181	20.2

09134000 MINNESOTA CREEK NEAR PAONIA, CO (LAT 38 52 13N LONG 107 30 06W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
DEC				
01...	1550	2.2	567	3.6
JAN				
28...	0955	1.4	836	.0
MAR				
10...	1210	1.9	821	4.3
APR				
26...	1600	14	317	16.0
JUN				
13...	1130	31	283	14.8
JUL				
12...	1155	16	256	17.8
AUG				
23...	0950	6.4	285	15.0

09134100 NORTH FORK GUNNISON RIVER BELOW PAONIA, CO (LAT 38 51 27N LONG 107 37 19W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
MAR				
02...	1325	76	388	6.4
21...	1305	266	302	--
APR				
13...	1530	1580	287	11.2
27...	1245	1400	264	9.8
MAY				
05...	1355	2230	201	12.4
09...	0930	2130	118	11.3
18...	1350	577	298	9.8
JUN				
29...	1055	11	815	18.4
AUG				
23...	1205	11	973	21.9

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09135950 NORTH FORK GUNNISON RIVER BELOW LEROUX CREEK NEAR HOTCHKISS, CO (LAT 38 47 18N LONG 107 44 21W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
DEC				
02...	1050	107	1160	4.6
JAN				
28...	1245	86	1230	3.6
MAR				
30...	1345	296	459	9.6
APR				
27...	1640	1360	448	10.2
MAY				
10...	0958	1680	227	10.1
19...	0815	567	342	9.2
JUL				
11...	1605	76	1230	16.2
AUG				
23...	1620	87	1490	23.0

09143000 SURFACE CREEK NEAR CEDAREDGE, CO (LAT 38 59 05N LONG 107 51 13W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
07...	1115	36	76	7.5
DEC				
02...	1520	3.0	149	.3
MAR				
31...	1435	7.0	143	1.3
APR				
28...	0920	111	163	7.6
JUN				
08...	1220	81	67	12.8
JUL				
11...	1335	54	68	13.3
AUG				
24...	1125	36	72	13.4

09143500 SURFACE CREEK AT CEDAREDGE, CO (LAT 38 54 06N LONG 107 55 14W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
DEC				
03...	0930	1.8	219	1.3
MAR				
30...	1010	8.9	184	4.0
APR				
28...	1200	68	171	8.2
JUN				
07...	1355	46	79	14.9
JUL				
11...	1300	22	166	17.6
AUG				
24...	1255	18	83	15.9

09144250 GUNNISON RIVER AT DELTA, CO (LAT 38 45 01N LONG 108 04 06W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
NOV				
09...	0750	1470	577	8.0
16...	1015	1540	562	5.8
DEC				
02...	1345	1470	563	7.3
FEB				
11...	1040	974	674	4.1
MAR				
01...	1400	973	585	5.2
15...	1100	983	571	4.9
20...	0930	1150	514	4.9
APR				
12...	1205	2500	391	8.8
MAY				
22...	1650	3740	357	14.0
JUN				
13...	1120	1340	553	14.8
JUL				
20...	1035	926	655	15.7

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09146200 UNCOMPAHGRE RIVER NEAR RIDGWAY, CO (LAT 38 11 02N LONG 107 44 43W)

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT					MAY				
05...	1040	86	639	6.6	23...	1130	467	281	9.4
NOV					JUN				
03...	1425	58	777	9.8	15...	1335	266	415	16.6
DEC					JUL				
21...	1630	54	787	2.4	19...	1315	151	655	18.0
MAR					SEP				
02...	1030	47	874	3.6	01...	1035	105	671	12.2
APR									
11...	1645	118	550	10.8					

09147000 DALLAS CREEK NEAR RIDGWAY, CO (LAT 38 10 40N LONG 107 45 28W)

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT					MAY				
05...	0925	34	420	4.1	23...	1050	4.2	834	14.2
NOV					25...	1615	15	629	16.7
05...	1105	24	538	3.7	31...	1230	62	459	13.8
DEC					JUN				
21...	1520	26	610	.0	15...	1300	26	630	17.6
JAN					JUL				
18...	1250	18	651	2.5	19...	1140	26	926	17.2
FEB					AUG				
02...	0900	E16	688	.1	03...	0910	.40	1260	15.6
17...	0915	17	586	1.0	11...	1105	5.5	1130	17.6
MAR					SEP				
02...	0900	16	646	1.1	01...	0920	30	796	12.0
APR									
11...	1515	97	368	7.3					
27...	1140	53	435	10.0					

09147025 UNCOMPAHGRE RIVER BELOW RIDGWAY RESERVOIR, CO (LAT 38 14 17N LONG 107 45 31W)

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT					MAR				
05...	1155	197	473	13.7	02...	1325	46	617	4.9
NOV					MAY				
03...	1140	44	502	11.5	25...	1400	378	650	5.7
DEC					JUN				
21...	1335	50	508	5.0	06...	1230	500	621	6.7

09147500 UNCOMPAHGRE RIVER AT COLONA, CO (LAT 38 19 53N LONG 107 46 44W)

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT					MAY				
05...	1330	218	500	15.4	25...	1020	687	433	6.7
NOV					31...	0930	1010	496	6.7
03...	1040	61	571	6.4	JUN				
DEC					13...	1425	378	550	12.7
22...	0855	54	644	.0	JUL				
MAR					19...	1450	267	473	16.3
02...	1445	65	646	5.4	AUG				
APR					03...	1210	292	452	14.5
11...	1240	137	479	8.6	SEP				
					01...	1200	68	551	13.4

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09153290 REED WASH NEAR MACK, CO (LAT 39 12 41N LONG 108 48 11W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					APR				
01...	1445	56	1720	13.2	06...	1035	95	1230	12.3
NOV					MAY				
29...	1415	7.7	4330	8.7	01...	1115	69	1190	11.3
JAN					JUN				
21...	0945	4.3	4480	6.6	06...	1340	52	1420	19.4
MAR					JUL				
17...	1005	3.0	4560	5.4	11...	1000	69	1720	18.7

09165000 DOLORES RIVER BELOW RICO, CO (LAT 37 38 20N LONG 108 03 35W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
04...	1145	52	350	3.5	26...	0830	584	131	2.9
NOV					JUL				
24...	1415	43	450	.0	05...	1000	51	345	8.8
FEB					AUG				
23...	1400	36	600	.0	24...	1330	38	385	13.8
APR									
05...	1230	50	397	3.8					
19...	1245	166	268	3.3					
28...	1400	399	168	5.2					

09166500 DOLORES RIVER AT DOLORES, CO (LAT 37 28 21N LONG 108 29 49W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
04...	1415	132	359	10.6	26...	1045	1460	151	6.7
DEC					JUL				
27...	1445	55	481	.1	25...	1100	114	330	19.4
MAR					SEP				
02...	1330	67	465	1.5	13...	1230	120	343	16.0
APR									
05...	1100	249	392	5.5					
28...	1100	1990	162	3.9					

09166950 LOST CANYON CREEK NEAR DOLORES, CO (LAT 37 26 45N LONG 108 28 03W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					APR				
04...	1600	1.7	184	13.1	05...	1000	10	157	4.6
DEC					19...	1030	53	63	2.5
27...	1345	.18	299	1.1	28...	0915	113	49	4.1
MAR					MAY				
02...	1410	2.1	181	3.0	16...	1300	1.2	166	17.1

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09168730 DOLORES RIVER NEAR SLICK ROCK, CO (LAT 38 02 40N LONG 108 54 17W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
MAR					MAY				
02...	1045	48	734	7.2	15...	1130	784	330	9.0
APR					31...	1115	90	551	19.4
07...	0815	204	960	10.7	JUL				
24...	1100	1030	347	8.8	06...	1315	56	287	23.5
					AUG				
					15...	1130	59	775	24.5

09172500 SAN MIGUEL RIVER NEAR PLACERVILLE, CO (LAT 38 02 05N LONG 108 07 15W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
28...	1230	101	384	5.4	16...	1030	489	297	7.4
NOV					31...	2000	967	199	13.2
24...	1200	63	409	.0	JUL				
FEB					05...	1200	180	320	13.1
23...	1130	72	420	2.2	AUG				
APR					17...	1345	96	380	15.8
05...	1400	125	437	9.7					
25...	1500	425	359	8.4					

09174600 SAN MIGUEL RIVER AT BROOKS BRIDGE NEAR NUCLA, CO (LAT 38 14 39N LONG 108 30 05W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
28...	0815	117	425	4.1	16...	0800	473	315	9.0
DEC					31...	1400	926	191	12.7
28...	1315	85	477	.3	JUL				
MAR					05...	1345	84	355	21.8
01...	1730	60	454	4.8	AUG				
APR					17...	1145	12	575	22.7
05...	1520	293	386	11.7					
25...	1230	618	301	7.6					

09177000 SAN MIGUEL RIVER AT URAVAN, CO (LAT 38 21 26N LONG 108 42 44W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
27...	1800	152	799	10.2	15...	1800	600	465	13.8
DEC					31...	1530	1050	268	16.3
13...	1600	137	590	.0	JUL				
MAR					05...	1500	105	800	23.6
01...	1615	109	897	7.4	AUG				
APR					15...	1630	18	1800	25.0
05...	1645	391	536	14.2					
25...	1130	990	379	8.2					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09237450 YAMPA RIVER ABOVE STAGECOACH RESERVOIR, CO (LAT 40 16 09N LONG 106 52 49W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
04...	0830	58	349	2.7
NOV				
08...	1220	52	366	5.1
29...	1355	72	357	.1
MAR				
14...	0900	43	395	.2
APR				
11...	1145	122	513	6.5
MAY				
09...	1005	159	342	6.1
JUN				
07...	1220	77	424	17.4
JUL				
11...	0915	98	505	14.5
AUG				
15...	1230	50	496	18.5
SEP				
25...	0905	44	497	2.4

09237500 YAMPA RIVER BELOW STAGECOACH RESERVOIR, CO (LAT 40 17 15N LONG 106 49 33W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
04...	1000	100	403	11.0
NOV				
08...	1120	94	399	7.9
29...	1225	78	399	4.7
JAN				
19...	1140	80	409	3.2
FEB				
29...	0950	98	403	2.6
MAR				
13...	1200	98	388	2.8
14...	1005	95	403	2.6
APR				
11...	1240	87	422	4.0
MAY				
09...	1110	88	401	7.8
JUN				
14...	1240	66	392	11.6
JUL				
11...	1015	65	398	16.8
AUG				
15...	1325	78	418	17.3
SEP				
07...	1000	81	423	16.0
25...	1005	68	419	12.6

09238900 FISH CREEK AT UPPER STATION NEAR STEAMBOAT SPRINGS, CO (LAT 40 28 30N LONG 106 47 11W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
04...	1120	4.7	27	3.2
NOV				
18...	1205	1.3	30	.2
FEB				
29...	1150	3.2	35	1.4
APR				
11...	1510	36	34	3.9
MAY				
30...	2015	754	13	3.3
JUL				
25...	1030	6.0	25	14.2
AUG				
15...	1445	6.9	19	16.8
SEP				
25...	1210	10	25	1.8

09240900 ELK RIVER ABOVE CLARK, CO (LAT 40 44 36N LONG 106 51 17W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
05...	1345	52	84	5.0
APR				
12...	1300	139	80	2.3
MAY				
25...	1000	1330	33	4.5
30...	1530	1750	28	9.4
JUL				
11...	1305	180	47	14.7
AUG				
16...	1100	63	75	14.6

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09241000 ELK RIVER AT CLARK, CO (LAT 40 43 03N LONG 106 54 55W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
05...	1450	56	88	5.5
MAR				
22...	1130	35	115	.5
APR				
12...	1420	296	96	3.4

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
MAY				
25...	1220	1450	39	6.5
30...	1330	2050	35	8.8
JUL				
11...	1410	185	51	16.0
AUG				
16...	1225	67	78	15.8

09242500 ELK RIVER NEAR MILNER, CO (LAT 40 30 53N LONG 106 57 12W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
04...	1305	89	123	8.4
NOV				
08...	0840	79	149	.5
29...	0935	72	152	.0
MAR				
14...	1305	92	178	.5
22...	1300	92	185	2.6
APR				
11...	1655	690	257	8.5

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
MAY				
09...	1300	1840	76	8.1
25...	1425	2540	45	8.8
30...	1100	4150	38	7.3
JUL				
11...	1525	232	80	21.9
AUG				
15...	1640	44	126	25.5
SEP				
25...	1405	189	104	9.3

09243700 MIDDLE CREEK NEAR OAK CREEK, CO (LAT 40 23 08N LONG 106 59 33W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	0850	.33	940	5.7
NOV				
08...	1337	.58	949	7.4
30...	0900	.47	992	.1
JAN				
20...	1110	.99	816	.1
MAR				
01...	0910	1.1	833	.0
APR				
12...	0945	6.3	648	5.7

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
MAY				
16...	1135	4.5	605	13.5
JUN				
14...	1020	.80	902	13.9
JUL				
12...	0945	.27	899	15.5
AUG				
15...	1030	.74	724	18.3

09243800 FOIDEL CREEK NEAR OAK CREEK, CO (LAT 40 20 45N LONG 107 05 04W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	0940	.22	3280	6.0
NOV				
08...	1455	.05	2180	4.6
30...	1025	.41	3370	.2
JAN				
20...	1300	.29	2240	.1
FEB				
07...	1235	.42	2920	.1
MAR				
01...	1105	.41	2710	.1

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
APR				
12...	1035	3.9	1560	8.1
MAY				
16...	1300	1.9	2660	17.4
JUN				
14...	1110	.74	3160	16.1
JUL				
12...	1040	.51	3330	17.2
AUG				
15...	1130	.19	3530	18.6

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09243900 FOIDEL CREEK AT MOUTH, NEAR OAK CREEK, CO (LAT 40 23 25N LONG 106 59 39W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	0815	.26	2180	5.4
NOV				
08...	1410	.21	1710	5.9
30...	0935	.45	2710	.1
JAN				
19...	1345	.74	1860	.1
FEB				
07...	1055	.61	2660	.1
MAR				
01...	1000	.72	2390	.2
APR				
12...	0805	6.5	1670	4.6
MAY				
16...	1050	2.6	2260	11.8
JUN				
14...	0940	1.2	2420	12.5
JUL				
12...	0905	.25	2020	14.2
AUG				
15...	0955	.04	1940	16.5

09249750 WILLIAMS FORK RIVER AT MOUTH, NEAR HAMILTON, CO (LAT 40 26 14N LONG 107 38 50W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
04...	1435	46	643	12.0
25...	1205	42	680	5.4
NOV				
30...	1445	70	675	1.2
JAN				
04...	1320	52	691	.5
FEB				
28...	1115	78	719	3.0
MAR				
14...	1200	79	665	4.5
28...	0935	103	702	8.2
MAY				
31...	0950	984	172	11.6
JUL				
12...	1340	48	515	24.5
17...	1115	37	561	20.5
AUG				
01...	0900	25	561	18.5
07...	0955	19	615	17.5
SEP				
12...	0930	26	566	12.9
18...	1247	27	686	20.3
26...	0820	62	498	6.7

09255000 SLATER FORK NEAR SLATER, CO (LAT 40 58 54N LONG 107 22 58W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
05...	0945	20	267	5.2
21...	1130	20	275	3.1
NOV				
30...	1300	34	264	.3
JAN				
04...	1110	22	266	.1
FEB				
28...	0915	30	271	.4
MAR				
13...	1030	14	300	2.3
APR				
24...	1015	365	145	2.1
MAY				
31...	1245	330	75	12.1
JUL				
12...	1545	13	297	24.0
AUG				
16...	0825	3.4	323	19.9
SEP				
26...	1305	13	242	10.0

09260000 LITTLE SNAKE RIVER NEAR LILY, CO (LAT 40 32 50N LONG 108 25 25W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
07...	1415	116	599	14.9
NOV				
17...	0845	115	648	-.1
JAN				
13...	1100	135	607	.1
MAR				
07...	1426	192	701	5.1
JUL				
18...	1319	34	982	26.8
SEPT				
06...	1109	2.1	1040	22.1

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09304500 WHITE RIVER NEAR MEEKER, CO (LAT 40 02 01N LONG 107 51 42W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
26...	1326	408	473	6.6	27...	0948	2310	224	7.4
DEC					JUN				
18...	1350	333	500	.6	26...	1133	461	460	17.2
FEB					AUG				
06...	1254	324	496	3.2	10...	1044	208	599	17.2
MAR					SEP				
21...	1537	342	547	6.7	29...	1006	359	496	9.7
APR									
17...	1300	553	404	10.9					

09339900 EAST FORK SAN JUAN RIVER ABOVE SAND CREEK, NEAR PAGOSA SPRINGS, CO (LAT 37 23 23N LONG 106 50 26W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
05...	0830	43	241	2.1	25...	1400	208	88	13.4
DEC					JUL				
06...	1145	7.0	168	.1	13...	1115	20	155	15.4
APR					SEP				
28...	1615	175	98	9.3	05...	1230	16	172	16.1

09342500 SAN JUAN RIVER AT PAGOSA SPRINGS, CO (LAT 37 15 58N LONG 107 00 37W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					MAY				
05...	1000	181	121	5.0	25...	1245	875	67	10.0
DEC					JUL				
06...	1045	39	195	.1	13...	1430	47	200	24.8
FEB					SEP				
02...	1430	40	189	.5	05...	1400	33	239	20.2
MAR									
30...	1400	168	156	4.3					

09346400 SAN JUAN RIVER NEAR CARRACAS, CO (LAT 37 00 49N LONG 107 18 42W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					JUN				
05...	1245	262	227	11.3	02...	1345	659	130	18.6
MAR					JUL				
09...	1115	155	452	4.3	18...	1015	160	300	21.1
APR					SEP				
11...	0900	742	236	8.2	06...	1115	73	364	19.0
28...	1000	1160	128	10.4					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09349800 PIEDRA RIVER NEAR ARBOLES, CO (LAT 37 05 18N LONG 107 23 50W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					JUN				
05...	1130	218	277	8.6	02...	1215	541	159	16.8
DEC					JUL				
06...	0915	32	534	.0	18...	1300	90	345	24.0
FEB					SEP				
02...	1615	63	484	3.8	06...	1345	65	439	19.5
APR									
11...	1145	799	222	6.8					
28...	1345	136	142	7.6					

09352900 VALLECITO CREEK NEAR BAYFIELD, CO (LAT 37 28 39N LONG 107 32 35W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					JUN				
22...	1300	36	86	3.0	06...	1045	292	42	5.4
JAN					JUL				
28...	1345	13	102	.1	11...	1030	55	55	10.6
APR					AUG				
12...	1045	89	70	1.2	22...	1600	59	61	14.2
MAY									
18...	1145	210	61	3.1					

09353800 LOS PINOS RIVER NEAR IGNACIO, CO (LAT 37 09 58N LONG 107 34 57W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
NOV					JUN				
10...	0900	16	186	3.8	22...	1430	3.1	157	25.3
18...	0915	13	197	3.5	JUL				
FEB					28...	1215	3.0	159	24.2
03...	1245	55	151	3.4	SEP				
APR					06...	1615	5.5	263	18.2
10...	1600	102	208	13.8					
MAY									
30...	1445	21	131	21.6					

09354500 LOS PINOS RIVER AT LA BOCA, CO (LAT 37 00 34N LONG 107 35 56W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
NOV					MAY				
09...	1630	48	338	10.7	30...	1030	124	257	16.8
FEB					JUL				
03...	1130	62	251	.5	28...	1030	133	240	19.8
APR					SEP				
10...	1445	193	228	14.0	07...	1000	117	270	16.2

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09355000 SPRING CREEK AT LA BOCA, CO (LAT 37 00 40N LONG 107 35 47W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
NOV				
09...	1515	5.3	886	11.3
FEB				
11...	0845	2.6	977	.0
APR				
10...	1345	5.3	697	17.8
MAY				
30...	1200	48	323	18.2
JUL				
28...	0915	57	286	17.2
SEP				
07...	0845	42	335	13.3

09358000 ANIMAS RIVER AT SILVERTON, CO (LAT 37 48 40N LONG 107 39 32W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	1300	72	286	7.2
NOV				
30...	1400	30	376	1.7
MAR				
15...	1030	21	400	1.0
29...	1200	26	392	4.1
APR				
13...	1500	63	328	9.3
24...	1215	110	256	6.4
MAY				
16...	1210	199	162	7.9
24...	1100	621	110	5.8
JUN				
28...	1250	144	177	12.5
JUL				
18...	1005	81	225	10.3
21...	1200	60	260	12.6
AUG				
09...	1300	38	310	13.0

09358550 CEMENT CREEK AT SILVERTON, CO (LAT 37 49 11N LONG 107 39 47W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
06...	1015	20	900	6.9
NOV				
30...	1415	14	1120	4.8
MAR				
15...	1230	13	1180	4.7
29...	1030	14	1050	4.0
APR				
13...	1400	32	593	9.0
24...	1025	42	559	3.9
MAY				
24...	1230	180	230	7.8
JUN				
01...	0945	130	275	4.0
JUL				
21...	1415	19	930	15.7
SEP				
15...	1245	17	1020	11.8

09359010 MINERAL CREEK AT SILVERTON, CO (LAT 37 48 10N LONG 107 40 20W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT				
13...	1005	50	390	2.8
NOV				
30...	1400	36	538	2.1
MAR				
15...	1115	27	630	1.2
29...	1335	29	540	6.1
APR				
13...	1300	65	354	5.9
24...	1410	80	293	8.9
MAY				
24...	1015	449	121	4.9
JUL				
19...	1445	59	300	16.6
SEP				
15...	1145	40	390	10.4

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

09361500 ANIMAS RIVER AT DURANGO, CO (LAT 37 16 45N LONG 107 52 47W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
NOV					APR				
10...	1430	230	615	8.8	27...	1415	1760	243	8.3
DEC					MAY				
29...	1415	191	583	4.4	25...	1145	3440	131	7.9
FEB					JUN				
18...	1300	189	610	5.4	30...	1200	570	420	15.3
MAR					AUG				
30...	1000	371	468	8.1	07...	1100	178	855	17.7

09362550 WILSON GULCH NEAR DURANGO, CO (LAT 37 13 37N LONG 107 50 31W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					JUN				
22...	1515	.83	616	10.5	02...	1530	1.1	544	21.2
JAN					AUG				
28...	1535	.76	758	5.4	07...	1145	.86	615	18.3
APR									
12...	1345	.69	733	13.4					

09371000 MANCOS RIVER NEAR TOWAOC, CO (LAT 37 01 39N LONG 108 44 27W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
NOV					APR				
10...	1100	10	1660	6.1	19...	1515	84	519	13.6
JAN					MAY				
19...	1100	22	1580	.9	22...	1330	15	1030	22.4
MAR					AUG				
07...	1615	22	1620	6.5	24...	1030	2.0	2060	20.9

EAGLE RIVER WATERSHED SYNOPTIC SAMPLING
(Eagle River Watershed Retrospective Assessment Program)

The Eagle River Watershed Retrospective Assessment Program conducted a major ion, nutrient, trace element, organic carbon, bacteria, suspended sediment, stream habitat, algal community and biomass, and macroinvertebrate community sampling survey during August 14-18, 2000. Macroinvertebrate community samples were also collected at 9 sites during April 13-14, 2000. Samples were collected to determine baseline conditions throughout the Eagle River watershed and to investigate natural and human factors influencing water quality and stream biology. Synoptic water-quality data for sites 392511106164000, East Fork Eagle River near Red Cliff, CO; 09063000, Eagle River at Red Cliff, CO; 09066510, Gore Creek at Mouth, near Minturn, CO; 09067005, Eagle River at Avon, CO; 394220106431500, Eagle River below Milk Creek near Wolcott, CO; and 09069000, Eagle River at Gypsum, CO are published elsewhere in this report with other water-quality data for these stations.

REMARKS--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboaratory analysis value; K, based on non-ideal colony count.

MISCELLANEOUS STATION ANALYSES

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)
09064500 HOMESTAKE CREEK NEAR RED CLIFF, CO. (LAT 39 28 24N LONG 106 22 02W)											
AUG 2000											
17...	0935	22	7.4	7.6	36	11.2	15	4.23	1.17	.6	.1
09064600 EAGLE RIVER NEAR MINTURN, CO (LAT 39 33 14N LONG 106 24 07W)											
AUG 2000											
16...	0900	57	8.1	7.9	166	12.1	81	19.5	7.75	.8	.1
09065100 CROSS CREEK NEAR MINTURN, CO. (LAT 39 34 05N LONG 106 24 43W)											
AUG 2000											
16...	1140	32	7.5	7.4	41	15.4	17	5.02	.97	.4	.1
09065500 GORE CREEK AT UPPER STATION, NEAR MINTURN, CO. (LAT 39 37 33N LONG 106 16 39W)											
AUG 2000											
17...	1310	11	8.8	8.0	59	11.6	29	6.66	2.89	.3	.1
09066050 BLACK GORE CREEK NEAR VAIL, CO. (LAT 39 37 24N LONG 106 16 47W)											
AUG 2000											
16...	1435	7.4	7.0	8.6	233	15.4	99	32.8	4.21	.8	.3
09067000 BEAVER CREEK AT AVON, CO. (LAT 39 37 47N LONG 106 31 20W)											
AUG 2000											
17...	0830	6.1	8.3	8.1	231	11.8	110	30.8	7.64	1.0	.1
09067200 LAKE CREEK NEAR EDWARDS, CO (LAT 39 38 51N LONG 106 36 31W)											
AUG 2000											
15...	1440	28	7.3	8.4	422	16.4	200	60.5	10.8	1.2	.1
393030106224700 EAGLE RIVER BLW HOMESTAKE CREEK NR RED CLIFF, CO (LAT 39 30 30N LONG 106 22 47W)											
AUG 2000											
16...	1540	45	7.2	8.3	171	14.9	85	20.9	7.99	.9	.1
393221106450700 EAST BRUSH CREEK ABOVE CONFLUENCE (LAT 39 32 21N LONG 106 45 07W)											
AUG 2000											
14...	1555	8.9	7.1	8.6	425	15.5	220	68.3	11.3	.9	.1
393501106313200 BEAVER CREEK ABOVE AVON, CO (LAT 39 35 01N LONG 106 31 32W)											
AUG 2000											
15...	1650	3.4	7.4	7.9	70	13.2	29	7.19	2.73	.6	.1
393523106364700 WEST LAKE CREEK NEAR EDWARDS, CO (LAT 39 35 23N LONG 106 36 47W)											
AUG 2000											
15...	0830	8.3	8.7	8.1	228	10.1	110	32.0	6.65	.7	.0
393627106264000 EAGLE RIVER ABOVE GORE CREEK NR. MINTURN, CO (LAT 39 36 27N LONG 106 26 40W)											
AUG 2000											
16...	0855	108	7.6	8.1	185	12.6	83	21.0	7.48	.8	.2

MISCELLANEOUS STATION ANALYSES--Continued

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
09064500 HOMESTAKE CREEK NEAR RED CLIFF, CO. (LAT 39 28 24N LONG 106 22 02W)											
AUG 2000											
17...	1.3	15	15	18	--	.1	.1	5.0	1.9	E.10	.15
09064600 EAGLE RIVER NEAR MINTURN, CO (LAT 39 33 14N LONG 106 24 07W)											
AUG 2000											
16...	1.9	5	68	83	--	.7	<.1	6.0	11.7	E.10	E.10
09065100 CROSS CREEK NEAR MINTURN, CO. (LAT 39 34 05N LONG 106 24 43W)											
AUG 2000											
16...	1.0	11	10	13	--	.1	.1	3.6	7.1	E.10	.18
09065500 GORE CREEK AT UPPER STATION, NEAR MINTURN, CO. (LAT 39 37 33N LONG 106 16 39W)											
AUG 2000											
17...	.8	6	27	33	--	.1	.2	3.2	2.6	<.10	E.10
09066050 BLACK GORE CREEK NEAR VAIL, CO. (LAT 39 37 24N LONG 106 16 47W)											
AUG 2000											
16...	7.3	14	96	110	4	11.4	.1	5.8	1.9	<.10	E.10
09067000 BEAVER CREEK AT AVON, CO. (LAT 39 37 47N LONG 106 31 20W)											
AUG 2000											
17...	2.5	5	70	86	--	2.8	<.1	7.9	34.8	.12	.19
09067200 LAKE CREEK NEAR EDWARDS, CO (LAT 39 38 51N LONG 106 36 31W)											
AUG 2000											
15...	3.8	4	99	113	4	3.8	.1	7.2	95.5	E.10	.11
393030106224700 EAGLE RIVER BLW HOMESTAKE CREEK NR RED CLIFF, CO (LAT 39 30 30N LONG 106 22 47W)											
AUG 2000											
16...	1.9	5	77	94	--	.7	.1	6.2	6.0	.11	.13
393221106450700 EAST BRUSH CREEK ABOVE CONFLUENCE (LAT 39 32 21N LONG 106 45 07W)											
AUG 2000											
14...	2.0	2	97	111	4	.4	.1	6.8	111	E.10	E.10
393501106313200 BEAVER CREEK ABOVE AVON, CO (LAT 39 35 01N LONG 106 31 32W)											
AUG 2000											
15...	1.4	9	29	36	--	.3	<.1	7.3	2.5	E.10	E.10
393523106364700 WEST LAKE CREEK NEAR EDWARDS, CO (LAT 39 35 23N LONG 106 36 47W)											
AUG 2000											
15...	1.2	2	67	82	--	.3	<.1	5.3	39.3	E.10	E.10
393627106264000 EAGLE RIVER ABOVE GORE CREEK NR. MINTURN, CO (LAT 39 36 27N LONG 106 26 40W)											
AUG 2000											
16...	3.8	9	61	75	--	1.0	<.1	5.2	28.2	E.10	.13

MISCELLANEOUS STATION ANALYSES--Continued

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
09064500 HOMESTAKE CREEK NEAR RED CLIFF, CO. (LAT 39 28 24N LONG 106 22 02W)											
AUG 2000											
17...	.009	--	--	--	--	<.005	<.001	E.004	<.001	E.006	2.7
09064600 EAGLE RIVER NEAR MINTURN, CO (LAT 39 33 14N LONG 106 24 07W)											
AUG 2000											
16...	.009	.017	--	--	--	.018	.001	<.006	<.001	E.005	1.8
09065100 CROSS CREEK NEAR MINTURN, CO. (LAT 39 34 05N LONG 106 24 43W)											
AUG 2000											
16...	.034	.048	--	.23	--	.049	.001	E.003	.002	E.005	1.3
09065500 GORE CREEK AT UPPER STATION, NEAR MINTURN, CO. (LAT 39 37 33N LONG 106 16 39W)											
AUG 2000											
17...	<.002	.066	--	--	--	.067	.001	<.006	<.001	<.008	1.2
09066050 BLACK GORE CREEK NEAR VAIL, CO. (LAT 39 37 24N LONG 106 16 47W)											
AUG 2000											
16...	.007	--	--	--	--	<.005	.001	<.006	<.001	<.008	--
09067000 BEAVER CREEK AT AVON, CO. (LAT 39 37 47N LONG 106 31 20W)											
AUG 2000											
17...	.011	.087	.11	.27	.21	.088	.001	.006	.003	.013	1.7
09067200 LAKE CREEK NEAR EDWARDS, CO (LAT 39 38 51N LONG 106 36 31W)											
AUG 2000											
15...	.012	.139	--	.25	--	.140	.001	E.003	.005	E.006	1.3
393030106224700 EAGLE RIVER BLW HOMESTAKE CREEK NR RED CLIFF, CO (LAT 39 30 30N LONG 106 22 47W)											
AUG 2000											
16...	.007	.015	.10	.14	.13	.016	.001	E.004	.002	.009	1.8
393221106450700 EAST BRUSH CREEK ABOVE CONFLUENCE (LAT 39 32 21N LONG 106 45 07W)											
AUG 2000											
14...	.008	--	--	--	--	.013	<.001	E.005	.005	.008	1.4
393501106313200 BEAVER CREEK ABOVE AVON, CO (LAT 39 35 01N LONG 106 31 32W)											
AUG 2000											
15...	.006	.025	--	--	--	.026	.001	<.006	.003	E.004	1.7
393523106364700 WEST LAKE CREEK NEAR EDWARDS, CO (LAT 39 35 23N LONG 106 36 47W)											
AUG 2000											
15...	.003	--	--	--	--	.049	<.001	E.003	.004	<.008	1.2
393627106264000 EAGLE RIVER ABOVE GORE CREEK NR. MINTURN, CO (LAT 39 36 27N LONG 106 26 40W)											
AUG 2000											
16...	.004	.052	--	.18	--	.053	.001	E.003	.001	E.006	1.6

MISCELLANEOUS STATION ANALYSES--Continued

DATE	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
09064500 HOMESTAKE CREEK NEAR RED CLIFF, CO. (LAT 39 28 24N LONG 106 22 02W)										
AUG 2000										
17...	.03	1.39	24	--	--	<.1	<.8	<1	250	450
09064600 EAGLE RIVER NEAR MINTURN, CO (LAT 39 33 14N LONG 106 24 07W)										
AUG 2000										
16...	.12	13.8	90	62	K16	--	--	--	220	--
09065100 CROSS CREEK NEAR MINTURN, CO. (LAT 39 34 05N LONG 106 24 43W)										
AUG 2000										
16...	.03	2.16	25	--	--	--	--	--	70	--
09065500 GORE CREEK AT UPPER STATION, NEAR MINTURN, CO. (LAT 39 37 33N LONG 106 16 39W)										
AUG 2000										
17...	.05	.99	33	--	--	<.1	<.8	<1	10	20
09066050 BLACK GORE CREEK NEAR VAIL, CO. (LAT 39 37 24N LONG 106 16 47W)										
AUG 2000										
16...	.17	2.44	122	K11	K13	--	--	--	E10	--
09067000 BEAVER CREEK AT AVON, CO. (LAT 39 37 47N LONG 106 31 20W)										
AUG 2000										
17...	.18	2.12	130	46	43	--	--	--	20	--
09067200 LAKE CREEK NEAR EDWARDS, CO (LAT 39 38 51N LONG 106 36 31W)										
AUG 2000										
15...	.33	18.2	243	K21	K27	--	--	--	E10	--
393030106224700 EAGLE RIVER BLW HOMESTAKE CREEK NR RED CLIFF, CO (LAT 39 30 30N LONG 106 22 47W)										
AUG 2000										
16...	.12	11.0	91	K260	K80	<.1	<.8	<1	80	250
393221106450700 EAST BRUSH CREEK ABOVE CONFLUENCE (LAT 39 32 21N LONG 106 45 07W)										
AUG 2000										
14...	.35	6.19	259	--	--	--	--	--	<10	--
393501106313200 BEAVER CREEK ABOVE AVON, CO (LAT 39 35 01N LONG 106 31 32W)										
AUG 2000										
15...	.05	.37	40	--	--	--	--	--	10	--
393523106364700 WEST LAKE CREEK NEAR EDWARDS, CO (LAT 39 35 23N LONG 106 36 47W)										
AUG 2000										
15...	.17	2.82	126	--	--	--	--	--	20	--
393627106264000 EAGLE RIVER ABOVE GORE CREEK NR. MINTURN, CO (LAT 39 36 27N LONG 106 26 40W)										
AUG 2000										
16...	.14	30.6	105	--	--	E.1	<.8	2	190	470

MISCELLANEOUS STATION ANALYSES--Continued

DATE	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY DISSOLVED (UG/L AS HG) (71890)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
09064500 HOMESTAKE CREEK NEAR RED CLIFF, CO. (LAT 39 28 24N LONG 106 22 02W)										
AUG 2000										
17...	<1	20	29	<.2	<1	<.7	<1	<20	2	.09
09064600 EAGLE RIVER NEAR MINTURN, CO (LAT 39 33 14N LONG 106 24 07W)										
AUG 2000										
16...	--	165	--	--	--	--	--	--	2	.31
09065100 CROSS CREEK NEAR MINTURN, CO. (LAT 39 34 05N LONG 106 24 43W)										
AUG 2000										
16...	--	5	--	--	--	--	--	--	2	.19
09065500 GORE CREEK AT UPPER STATION, NEAR MINTURN, CO. (LAT 39 37 33N LONG 106 16 39W)										
AUG 2000										
17...	<1	<2	E2	<.2	<1	<.7	<1	<20	1	.01
09066050 BLACK GORE CREEK NEAR VAIL, CO. (LAT 39 37 24N LONG 106 16 47W)										
AUG 2000										
16...	--	17	--	--	--	--	--	--	2	.04
09067000 BEAVER CREEK AT AVON, CO. (LAT 39 37 47N LONG 106 31 20W)										
AUG 2000										
17...	--	7	--	--	--	--	--	--	6	.09
09067200 LAKE CREEK NEAR EDWARDS, CO (LAT 39 38 51N LONG 106 36 31W)										
AUG 2000										
15...	--	E2	--	--	--	--	--	--	1	.08
393030106224700 EAGLE RIVER BLW HOMESTAKE CREEK NR RED CLIFF, CO (LAT 39 30 30N LONG 106 22 47W)										
AUG 2000										
16...	<1	6	12	<.2	<1	<.7	<1	<20	3	.37
393221106450700 EAST BRUSH CREEK ABOVE CONFLUENCE (LAT 39 32 21N LONG 106 45 07W)										
AUG 2000										
14...	--	E2	--	--	--	--	--	--	2	.05
393501106313200 BEAVER CREEK ABOVE AVON, CO (LAT 39 35 01N LONG 106 31 32W)										
AUG 2000										
15...	--	E1	--	--	--	--	--	--	1	.00
393523106364700 WEST LAKE CREEK NEAR EDWARDS, CO (LAT 39 35 23N LONG 106 36 47W)										
AUG 2000										
15...	--	E2	--	--	--	--	--	--	1	.03
393627106264000 EAGLE RIVER ABOVE GORE CREEK NR. MINTURN, CO (LAT 39 36 27N LONG 106 26 40W)										
AUG 2000										
16...	<1	99	126	<.2	<1	<.7	<1	52	3	.87

MISCELLANEOUS STATION ANALYSES--Continued

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)
393824106221700 MILL CREEK NR VAIL (LAT 39 38 24N LONG 106 22 17W)											
AUG 2000											
16...	1315	1.9	8.1	8.8	293	11.1	150	45.9	9.74	.8	.1
393845106353000 EAGLE RIVER AT EDWARDS, CO. (LAT 39 38 45N LONG 106 35 30W)											
AUG 2000											
15...	1045	144	8.9	8.5	338	15.9	150	43.5	10.9	1.1	.2
393851106503400 BRUSH CREEK AT MOUTH NEAR EAGLE, CO (LAT 39 38 51N LONG 106 50 34W)											
AUG 2000											
14...	1350	20	7.9	8.6	960	17.9	480	154	22.3	2.4	.4
393852106503200 EAGLE RIVER ABOVE BRUSH CREEK AT EAGLE, CO (LAT 39 38 52N LONG 106 50 32W)											
AUG 2000											
14...	1105	164	7.9	8.6	790	17.9	250	76.1	14.2	2.4	2
393858106570900 GYPSUM CREEK AT MOUTH (LAT 39 38 58N LONG 106 57 09W)											
AUG 2000											
14...	1155	9.3	8.6	8.1	1060	15.2	630	201	30.0	3.0	.1
393930106382001 SQUAW CREEK (LAT 39 39 30N LONG 106 38 20W)											
AUG 2000											
15...	1140	.74	7.3	8.6	835	17.4	440	133	26.8	2.2	.2
394129106393300 EAGLE RIVER AT EAGLE SPGS. GOLF COURSE NR WOLCOT(LAT 39 41 29N LONG 106 39 33W)											
AUG 2000											
15...	0850	144	7.7	8.4	764	14.9	190	55.0	12.2	2.4	2
394415106424200 MILK CREEK 2 MI ABOVE MOUTH (LAT 39 44 15N LONG 106 42 42W)											
AUG 2000											
14...	1720	.78	6.7	8.3	748	19.6	260	61.6	27.0	2.1	1

MISCELLANEOUS STATION ANALYSES--Continued

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
393824106221700 MILL CREEK NR VAIL (LAT 39 38 24N LONG 106 22 17W)											
AUG 2000											
16...	1.5	2	142	154	10	1.4	<.1	6.0	13.2	E.10	<.10
393845106353000 EAGLE RIVER AT EDWARDS, CO. (LAT 39 38 45N LONG 106 35 30W)											
AUG 2000											
15...	5.9	8	91	96	7	6.0	<.1	5.1	61.9	.14	.19
393851106503400 BRUSH CREEK AT MOUTH NEAR EAGLE, CO (LAT 39 38 51N LONG 106 50 34W)											
AUG 2000											
14...	21.4	9	144	156	10	30.1	.6	10.6	319	.14	.20
393852106503200 EAGLE RIVER ABOVE BRUSH CREEK AT EAGLE, CO (LAT 39 38 52N LONG 106 50 32W)											
AUG 2000											
14...	55.7	33	136	146	10	92.2	.1	6.5	128	.14	.22
393858106570900 GYPSUM CREEK AT MOUTH (LAT 39 38 58N LONG 106 57 09W)											
AUG 2000											
14...	7.5	3	226	276	--	3.9	.2	14.5	394	.15	.19
393930106382001 SQUAW CREEK (LAT 39 39 30N LONG 106 38 20W)											
AUG 2000											
15...	10.4	5	213	248	6	9.1	<.1	15.4	237	.22	.34
394129106393300 EAGLE RIVER AT EAGLE SPGS. GOLF COURSE NR WOLCOT(LAT 39 41 29N LONG 106 39 33W)											
AUG 2000											
15...	68.7	44	93	106	4	113	.1	4.8	93.2	.19	.28
394415106424200 MILK CREEK 2 MI ABOVE MOUTH (LAT 39 44 15N LONG 106 42 42W)											
AUG 2000											
14...	55.4	31	159	182	6	2.4	.3	10.1	221	.16	.18

MISCELLANEOUS STATION ANALYSES--Continued

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
393824106221700 MILL CREEK NR VAIL (LAT 39 38 24N LONG 106 22 17W)											
AUG 2000											
16...	<.002	--	--	--	--	.046	<.001	<.006	<.001	<.008	.87
393845106353000 EAGLE RIVER AT EDWARDS, CO. (LAT 39 38 45N LONG 106 35 30W)											
AUG 2000											
15...	.007	.479	.13	.67	.62	.482	.003	.066	.059	.082	1.6
393851106503400 BRUSH CREEK AT MOUTH NEAR EAGLE, CO (LAT 39 38 51N LONG 106 50 34W)											
AUG 2000											
14...	.032	.014	.11	.21	.16	.015	.001	.009	.006	.020	1.8
393852106503200 EAGLE RIVER ABOVE BRUSH CREEK AT EAGLE, CO (LAT 39 38 52N LONG 106 50 32W)											
AUG 2000											
14...	.015	.514	.13	.74	.66	.521	.007	.065	.059	.076	1.8
393858106570900 GYPSUM CREEK AT MOUTH (LAT 39 38 58N LONG 106 57 09W)											
AUG 2000											
14...	.054	.422	.10	.61	.57	.424	.002	E.005	.002	.015	1.9
393930106382001 SQUAW CREEK (LAT 39 39 30N LONG 106 38 20W)											
AUG 2000											
15...	.022	.056	.20	.39	.28	.057	.001	.052	.047	.074	3.4
394129106393300 EAGLE RIVER AT EAGLE SPGS. GOLF COURSE NR WOLCOT(LAT 39 41 29N LONG 106 39 33W)											
AUG 2000											
15...	.061	.694	.13	.98	.90	.706	.012	.080	.074	.094	1.7
394415106424200 MILK CREEK 2 MI ABOVE MOUTH (LAT 39 44 15N LONG 106 42 42W)											
AUG 2000											
14...	.008	--	.15	.19	.17	.009	<.001	<.006	.001	E.006	3.1

MISCELLANEOUS STATION ANALYSES--Continued

DATE	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
393824106221700 MILL CREEK NR VAIL (LAT 39 38 24N LONG 106 22 17W)										
AUG 2000										
16...	.22	.85	164	K2	K3	<.1	<.8	<1	<10	<20
393845106353000 EAGLE RIVER AT EDWARDS, CO. (LAT 39 38 45N LONG 106 35 30W)										
AUG 2000										
15...	.26	74.4	191	44	25	--	--	--	70	--
393851106503400 BRUSH CREEK AT MOUTH NEAR EAGLE, CO (LAT 39 38 51N LONG 106 50 34W)										
AUG 2000										
14...	.88	34.8	647	--	--	<.1	E.5	2	E10	130
393852106503200 EAGLE RIVER ABOVE BRUSH CREEK AT EAGLE, CO (LAT 39 38 52N LONG 106 50 32W)										
AUG 2000										
14...	.63	204	460	K16	33	--	--	--	30	--
393858106570900 GYPSUM CREEK AT MOUTH (LAT 39 38 58N LONG 106 57 09W)										
AUG 2000										
14...	1.08	20.0	792	--	--	<.1	1.1	3	<10	100
393930106382001 SQUAW CREEK (LAT 39 39 30N LONG 106 38 20W)										
AUG 2000										
15...	.76	1.12	562	K15	K16	--	--	--	E10	--
394129106393300 EAGLE RIVER AT EAGLE SPGS. GOLF COURSE NR WOLCOT(LAT 39 41 29N LONG 106 39 33W)										
AUG 2000										
15...	.56	159	409	--	--	--	--	--	30	--
394415106424200 MILK CREEK 2 MI ABOVE MOUTH (LAT 39 44 15N LONG 106 42 42W)										
AUG 2000										
14...	.65	1.00	475	--	--	--	--	--	<10	--

MISCELLANEOUS STATION ANALYSES--Continued

DATE	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
393824106221700 MILL CREEK NR VAIL (LAT 39 38 24N LONG 106 22 17W)										
AUG 2000										
16...	<1	<2	<3	<.2	<1	<.7	<1	<20	1	.00
393845106353000 EAGLE RIVER AT EDWARDS, CO. (LAT 39 38 45N LONG 106 35 30W)										
AUG 2000										
15...	--	17	--	--	--	--	--	--	2	.78
393851106503400 BRUSH CREEK AT MOUTH NEAR EAGLE, CO (LAT 39 38 51N LONG 106 50 34W)										
AUG 2000										
14...	<1	13	21	<.2	<1	E.4	<1	<20	10	.52
393852106503200 EAGLE RIVER ABOVE BRUSH CREEK AT EAGLE, CO (LAT 39 38 52N LONG 106 50 32W)										
AUG 2000										
14...	--	11	--	--	--	--	--	--	2	1.1
393858106570900 GYPSUM CREEK AT MOUTH (LAT 39 38 58N LONG 106 57 09W)										
AUG 2000										
14...	<1	4	9	<.2	<1	.9	<1	<20	10	.25
393930106382001 SQUAW CREEK (LAT 39 39 30N LONG 106 38 20W)										
AUG 2000										
15...	--	5	--	--	--	--	--	--	13	.03
394129106393300 EAGLE RIVER AT EAGLE SPGS. GOLF COURSE NR WOLCOT(LAT 39 41 29N LONG 106 39 33W)										
AUG 2000										
15...	--	22	--	--	--	--	--	--	2	.74
394415106424200 MILK CREEK 2 MI ABOVE MOUTH (LAT 39 44 15N LONG 106 42 42W)										
AUG 2000										
14...	--	<2	--	--	--	--	--	--	4	.01

PERIPHYTON ANALYSIS

09063000 EAGLE RIVER AT RED CLIFF, CO (LAT 39 30 30N LONG 106 22 36W)

Date: 8/17/00 Time: 0945

Organisms				Density	Biovolume
Chrysophyta					
Achnanthacea					
Achnanthes	*biasolettian*			206	25890
	minutissima			10461	576109
Cocconeis	*placentula*	*lineata*		377	395299
	placentula	*euglypta*		34	20663
Diatomaceae					
Diatoma	*tenue*			34	3861
Fragilaria	*leptostauron*			69	33505
	pinnata			34	3302
	vaucheriae			17	3548
Naviculaceae					
Amphora	*perpusilla*			34	3246
Cymbella	*brehmii*			17	473
	minuta	*silesiaca*		326	153420
Gomphonema	*olivaceoides*			34	5247
Navicula	*cryptotenell*			34	12413
	molestiformi			34	4238
Reimeria	*sinuata*			137	22684
Nitzschiacea					
Nitzschia	*dissipata*			34	8919
Cyanophyta					
Nostocaceae					
Amphithrix	*janthina*			17139	555460
Oscillatoria					
Hydrocoleum	*brebissonii*			10672	1045073
Oscillatoria	*sp. 1 ANS*			5174	83901
Rhodophyta					
Chantransiac					
Audouinella	*violacea*			19727	69815603
		Total Density			64594
		Total Biovolume			72772854
		Chlorophyll *a*, UG/L (70957)			2.3
		Biomass, Ash Weight, g/sq. m (00572)			73.4
		Biomass, Total, Dry Weight, g/sq. m (00573)			75.7

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

09064500 HOMESTAKE CREEK NEAR RED CLIFF, CO (LAT 39 28 24N LONG 106 22 02W)

Date: 8/17/00 Time: 1100

Organisms				Density	Biovolume
Chlorophyta					
Desmidiaceae					
	Cosmarium	*sp.*		197	16757
		subcrenatum		197	16757
Oedogoniacea					
	Oedogonium	*sp.*		591	24237411
Zygnematacea					
	Spirogyra	*sp.*		789	86632411
Chrysophyta					
Achnanthacea					
	Achnanthes	*lapponica*	*ninckei*	168	250204
		levanderi		26	38493
		minutissima		4486	247059
		pusilla		64	5850
	Cocconeis	*placentula*	*lineata*	13	13507
Diatomaceae					
	Fragilaria	*construens*		13	2495
		construens	*pumila*	1109	133153
		pinnata		13	1241
		vaucheriae		361	74667
		virescens	*exigua*	129	7077
		virescens		26	7709
	Synedra	*acus*		26	49798
		rumpens	*fragilarioid*	155	15850
		ulna		39	253566
	Tabellaria	*flocculosa*	*(strain IV)*	26	222269
Eunotiaceae					
	Eunotia	*flexuosa*		13	29856
		incisa		52	24383
		pectinalis	*minor*	77	95015
Naviculaceae					
	Anomoeoneis	*vitrea*		26	5150
	Cymbella	*cesatii*		26	47800
		microcephala		39	2411
		minuta	*silesiaca*	142	66768
		minuta		64	13792
		minuta	*latens*	26	47800
	Frustulia	*rhomboides*	*saxonica*	13	22548
	Gomphonema	*parvulum*	*exilissima*	284	369254
		subclavatum		26	20584
	Navicula	*pupula*		13	8202
		radiosa		26	26621
		rhynchocepha		39	23888
	Pinnularia	*subcapitata*		26	19743
	Reimeria	*sinuata*		142	23446
Thalassiosir					
	Aulacosira	*distans*		400	159670
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		53228	1725027
Oscillatoria					
	Hydrocoleum	*brebissonii*		8083	791538
			Total Density		71173
			Total Biovolume		115749770
			Chlorophyll *a*, UG/L (70957)		1.0
			Biomass, Ash Weight, g/sq. m (00572)		159.5
			Biomass, Total, Dry Weight, g/sq. m (00573)		163.4

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

09064600 EAGLE RIVER NEAR MINTURN, CO (LAT 39 33 14N LONG 106 24 07W)

Date: 8/16/00 Time: 1430

Organisms				Density	Biovolume
Chrysophyta					
Achnanthacea					
	Achnanthes	*biasolettian*		786	98862
		minutissima		61854	3406419
	Cocconeis	*placentula*	*lineata*	112	117618
Diatomaceae					
	Fragilaria	*construens*	*pumila*	1235	148310
		vaucheriae		6511	1346867
	Hannaea	*arcus*		337	817732
	Synedra	*rumpens*	*fragilarioid*	2133	218533
		ulna		337	2208085
Naviculaceae					
	Cymbella	*minuta*	*silesiaca*	7297	3435688
		minuta		786	168149
	Gomphonema	*olivaceoides*		1572	240419
	Reimeria	*sinuata*		337	55683
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		159141	5157509
Oscillatoria					
	Hydrocoleum	*brebissonii*		92437	9052328
	Oscillatoria	*sp. 1 ANS*		44695	724745
			Total Density		379570
			Total Biovolume		27196947
			Chlorophyll *a*, UG/L (70957)		2.5
			Biomass, Ash Weight, g/sq. m (00572)		81.8
			Biomass, Total, Dry Weight, g/sq. m (00573)		84.5

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

09065100 CROSS CREEK NEAR MINTURN, CO (LAT 39 34 05N LONG 106 24 45W)

Date: 8/16/00 Time: 1330

Organisms			Density	Biovolume
Chlorophyta				
Desmidiaceae				
Closterium	*venus*		132	11238
Cosmarium	*subcrenatum*		132	11238
Chrysophyta				
Achnanthacea				
Achnanthes	*chlidanos*		62	21533
	lapponica	*ninckei*	124	184921
	minutissima		15699	864577
	petersonii		31	8643
	scotica		62	92460
	subatomoides		62	92460
Cocconeis	*placentula*	*lineata*	31	32443
	placentula	*euglypta*	248	149237
Diatomaceae				
Diatoma	*anceps*		31	12935
Fragilaria	*brevistriata*	*inflata*	31	3862
	construens	*venter*	31	3060
	construens	*pumila*	1517	182231
	oldenburgian		31	26537
	pinnata		31	2981
	vaucheriae		1331	275432
	virescens	*exigua*	31	1700
Hannaea	*arcus*		93	225559
Meridion	*circulare*		31	20097
Synedra	*rumpens*	*fragilarioid*	310	31726
	ulna		62	406045
	ulna	*contracta*	31	49226
Eunotiaceae				
Eunotia	*pectinalis*	*minor*	93	114113
	praerupta		31	106828
Melosiraceae				
Melosira	*varians*		31	168115
Naviculaceae				
Cymbella	*cistula*		31	37412
	minuta		31	6626
	minuta	*silesiaca*	341	160377
	minuta	*latens*	217	401859
Gomphonema	*consector*		31	40316
	olivaceoides		62	9474
Navicula	*minima*		31	1645
	tripunctata		62	58595
Reimeria	*sinuata*		341	56318
Nitzschiacea				
Denticula	*tenuis*		31	11774
Nitzschia	*dissipata*		124	32208
	frustulum	*perminuta*	62	3324
	palea	*debilis*	62	10733
Thalassiosir				
Aulacosira	*ambigua*		62	20639
	distans		31	12372
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		56060	1816813
Oscillatoria				
Hydrocoleum	*brebissonii*		104451	10228851
Rhodophyta				
Chantransiac				
Audouinella	*violacea*		29088	102946676
		Total Density		211417
		Total Biovolume		118955209
		Chlorophyll *a*, UG/L (70957)		1.3
		Biomass, Ash Weight, g/sq. m (00572)		52.9
		Biomass, Total, Dry Weight, g/sq. m (00573)		54.4

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

09065500 GORE CREEK AT UPPER STATION, NEAR MINTURN, CO (LAT 39 37 40N LONG 106 16 24W)

Date: 8/18/00 Time: 0835

Organisms				Density	Biovolume
Chlorophyta					
Chaetophorac					
	Stigeocloniu	*lubricum*		5785	8586771
Chrysophyta					
Achnanthacea					
	Achnanthes	*biasolettian*		2269	285511
		chlidanos		67	23208
		minutissima		35309	1944538
	Cocconeis	*placentula*	*lineata*	334	349671
Diatomaceae					
	Diatoma	*mesodon*		67	71074
	Fragilaria	*pinnata*		67	6426
		vaucheriae	*1 ANS WRC*	200	37424
		vaucheriae		2403	497065
	Hannaea	*arcus*		801	1944847
	Synedra	*rumpens*	*fragilarioid*	267	27355
		ulna		1068	7002107
Naviculaceae					
	Cymbella	*brehmii*		200	5521
		cistula		67	80644
		minuta	*silesiaca*	400	188567
		minuta	*latens*	67	123749
	Gomphonema	*angustatum*		67	27595
		olivaceoides		4339	663695
		pumilum		1802	525839
	Reimeria	*sinuata*		1068	176578
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		231888	7515109
Oscillatoria					
	Hydrocoleum	*brebissonii*		69422	6798423
Rhodophyta					
Chantransiac					
	Audouinella	*violacea*		3857	13649777
		Total Density			361814
		Total Biovolume			50531494
		Chlorophyll *a*, UG/L (70957)			6.9
		Biomass, Ash Weight, g/sq. m (00572)			104.4
		Biomass, Total, Dry Weight, g/sq. m (00573)			107.7

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

09066000 BLACK GORE CREEK NEAR MINTURN, CO (LAT 39 35 47N LONG 106 15 52W)

Date: 8/17/00 Time: 1435

Organisms				Density	Biovolume
Chlorophyta					
Chaetophorac					
	Stigeocloniu	*lubricum*		4119	6114458
Chlamydomona					
	Chlamydomona	*sp.*		749	63665
Chrysophyta					
Achnanthacea					
	Achnanthes	*biasolettian*		1991	250515
		minutissima		39586	2180050
	Cocconeis	*placentula*	*lineata*	478	500714
Diatomaceae					
	Fragilaria	*pinnata*		319	30673
		vaucheriae		637	131811
	Hannaea	*arcus*		159	386797
	Meridion	*circulare*		80	51695
	Synedra	*rumpens*	*fragilarioid*	478	48964
		ulna		478	3133352
Naviculaceae					
	Amphora	*perpusilla*		80	7537
	Cymbella	*affinis*		1115	564352
		brehmii		1593	43921
		minuta	*silesiaca*	7328	3450259
	Gomphonema	*olivaceoides*		159	24369
		olivaceum		796	274047
		pumilum		1832	534523
	Navicula	*secreta*	*apiculata*	319	79642
	Reimeria	*sinuata*		2071	342405
Nitzschiacea					
	Nitzschia	*dissipata*		319	82847
		fonticola		319	31638
		frustulum	*perminuta*	159	8549
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		1213750	39335610
Oscillatoria					
	Hydrocoleum	*brebissonii*		139313	13642855
		Total Density			1418227
		Total Biovolume			71315248
		Chlorophyll *a*, UG/L (70957)			6.6
		Biomass, Ash Weight, g/sq. m (00572)			179.2
		Biomass, Total, Dry Weight, g/sq. m (00573)			183.7

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

09066050 BLACK GORE CREEK NEAR VAIL, CO (LAT 39 38 28N LONG 106 23 37W)

Date: 8/17/00 Time: 1530

Organisms			Density	Biovolume
Chlorophyta				
Chaetophorac				
Stigeocloniu	*lubricum*		2528	3751824
Chrysophyta				
Achnanthacea				
Achnanthes	*biasolettian*		75	9444
	lanceolata		25	3574
	minutissima		15413	848840
Cocconeis	*placentula*	*euglypta*	425	256261
	placentula	*lineata*	225	235948
Diatomaceae				
Diatoma	*mesodon*		25	26644
Fragilaria	*construens*	*pumila*	50	6010
	vaucheriae		300	62112
Hannaea	*arcus*		100	243024
Synedra	*rumpens*	*fragilarioid*	50	5127
	ulna		200	1312450
Naviculaceae				
Cymbella	*affinis*		50	25327
	brehmii		50	1380
	minuta	*silesiaca*	776	365225
Gomphonema	*angustatum*		100	41379
	olivaceum		475	163574
	pumilum		325	94911
Navicula	*incerta*		50	2587
Reimeria	*sinuata*		75	12411
Nitzschiacea				
Nitzschia	*fonticola*		100	9939
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		189844	6152540
Oscillatoria				
Hydrocoleum	*brebissonii*		19024	1863039
Rhodophyta				
Chantransiac				
Audouinella	*violacea*		3592	12712752
	Total Density			233877
	Total Biovolume			28206322
	Chlorophyll *a*, UG/L (70957)			2.0
	Biomass, Ash Weight, g/sq. m (00572)			111.9
	Biomass, Total, Dry Weight, g/sq. m (00573)			114.3

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

09066310 GORE CREEK, LOWER STATION, AT VAIL, CO (LAT 39 38 28N LONG 106 23 37W)

Date: 8/18/00 Time: 1425

Organisms			Density	Biovolume
Chlorophyta				
Chlamydomona				
Chlamydomona	*sp.*		4760	404624
Chrysophyta				
Achnanthacea				
Achnanthes	*biasolettian*		122354	15393330
	lapponica	*ninckei*	1748	2609642
	minutissima		305012	16797569
	pusilla		1748	158653
Cocconeis	*placentula*	*lineata*	1748	1831384
Diatomaceae				
Diatoma	*moniliformis*		27967	4214982
	vulgare		15731	58125740
Fragilaria	*vaucheriae*		27093	5604448
Hannaea	*arcus*		3496	8488374
Synedra	*ulna*		5244	34381135
Naviculaceae				
Amphora	*perpusilla*		1748	165405
Cymbella	*brehmii*		1748	48193
	minuta	*silesiaca*	105749	49792080
	minuta		1748	374026
Gomphonema	*olivaceum*		33210	11426673
Navicula	*cryptotenell*		3496	1265220
Reimeria	*sinuata*		7866	1300528
Nitzschiacea				
Nitzschia	*fonticola*		3496	347148
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		1140089	36948388
Oscillatoria				
Hydrocoleum	*brebissonii*		211833	20744619
Rhodophyta				
Chantransiac				
Audouinella	*violacea*		40462	143203711
		Total Density		2068346
		Total Biovolume		413625872
		Chlorophyll *a*, UG/L (70957)		20.6
		Biomass, Ash Weight, g/sq. m (00572)		114.4
		Biomass, Total, Dry Weight, g/sq. m (00573)		122.8

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

09066510 GORE CREEK AT MOUTH, NEAR MINTURN, CO (LAT 39 36 34N LONG 106 26 50W)

Date: 8/17/00 Time: 1220

Organisms				Density	Biovolume
Chlorophyta					
Chaetophorac					
Stigeocloniu	*lubricum*			54083	80274736
Chrysophyta					
Achnanthacea					
Achnanthes	*biasolettian*			62427	7853857
	minutissima			124853	6875898
Cocconeis	*placentula*	*euglypta*		1201	723245
Diatomaceae					
Diatoma	*vulgare*			7203	26614746
Naviculaceae					
Amphora	*perpusilla*			4802	454417
Cymbella	*brehmii*			14406	397198
	minuta			22810	4880905
	minuta	*silesiaca*		140460	66135683
Gomphonema	*tenellum*			1201	208241
Navicula	*cryptotenell*			6003	2172457
	ignota	*acceptata*		2401	246467
	incerta			36015	1862105
	tripunctata			9604	9087003
Reimeria	*sinuata*			286922	47440602
Nitzschiacea					
Nitzschia	*dissipata*			4802	1248720
	fonticola			46820	4649379
	inconspicua			34815	1258853
Cyanophyta					
Nostocaceae					
Amphithrix	*janthina*			5606642	181701943
Oscillatoria					
Hydrocoleum	*brebissonii*			1117723	109457708
Rhodophyta					
Chantransiac					
Audouinella	*violacea*			67604	239263151
		Total Density			7652797
		Total Biovolume			792807314
		Chlorophyll *a*, UG/L (70957)			25.7
		Biomass, Ash Weight, g/sq. m (00572)			134.9
		Biomass, Total, Dry Weight, g/sq. m (00573)			142.8

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

09067000 BEAVER CREEK AT AVON, CO (LAT 39 37 47N LONG 106 31 20W)

Date: 8/16/00 Time: 0915

Organisms				Density	Biovolume
Chlorophyta					
Chlamydomona					
	Chlamydomona	*sp.*		4277	363558
Cladophorace					
	Cladophora	*glomerata*		19247	104483445625
Oedogoniacea					
	Oedogonium	*sp.*		6416	262926920
Chrysophyta					
Achnanthacea					
	Achnanthes	*lanceolata*		1747	249509
		minutissima		369438	20345640
	Cocconeis	*pediculus*		3494	12084841
		placentula	*lineata*	6987	7320645
		placentula	*euglypta*	7860	4735467
Diatomaceae					
	Diatoma	*vulgare*		1747	6454104
	Fragilaria	*capucina*		5240	978991
		vaucheriae		1747	361336
Naviculaceae					
	Amphora	*perpusilla*		6987	661179
	Caloneis	*bacillum*		3494	1502788
	Cymbella	*brehmii*		13101	361204
		minuta		24455	5232867
		minuta	*silesiaca*	65503	30842256
	Gomphonema	*subclavatum*		27948	22312807
	Navicula	*cryptocephal*		1747	661782
		cryptocephal	*veneta*	3494	757530
		cryptotenell		20961	7586254
		incerta		3494	180625
		pygmaea		1747	2007862
		tripunctata		6987	6610824
		viridula	*avenacea*	3494	4391612
	Rhoicospheni	*curvata*		6987	3720861
Nitzschiacea					
	Nitzschia	*fonticola*		18341	1821313
		frustulum	*perminuta*	1747	93743
		heufleriana		5240	61384339
		palea	*debilis*	1747	302732
		recta		5240	9093487
Surirellacea					
	Surirella	*angusta*		1747	1978540
		minuta		1747	1648834
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		190333	6168379
			Total Density		844741
			Total Biovolume		104968588454
			Chlorophyll *a*, UG/L (70957)		5.5
			Biomass, Ash Weight, g/sq. m (00572)		134.6
			Biomass, Total, Dry Weight, g/sq. m (00573)		145.8

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

09067005 EAGLE RIVER AT AVON, CO (LAT 39 37 54N LONG 106 31 19W)

Date: 8/18/00 Time: 1135

Organisms				Density	Biovolume
Chrysophyta					
Achnanthacea					
	Achnanthes	*biasolettian*		3163	397971
		lanceolata		1582	225924
		minutissima		90944	5008483
Diatomaceae					
	Diatoma	*moniliformis*		4745	715129
	Fragilaria	*construens*	*pumila*	1582	189963
		pinnata		791	76137
		vaucheriae		19771	4089766
	Hannaea	*arcus*		6327	15361790
	Synedra	*rumpens*	*fragilarioid*	791	81026
		ulna		1582	10370180
	Tabellaria	*flocculosa*	*(strain IV)*	791	6817673
Melosiraceae					
	Melosira	*varians*		6327	34348573
Naviculaceae					
	Anomoeoneis	*vitrea*		1582	315959
	Cymbella	*brehmii*		14235	392474
		minuta		1582	338446
		minuta	*silesiaca*	174772	82291416
	Gomphonema	*olivaceum*		3163	1088388
		tenellum		791	137176
	Navicula	*atomus*		3954	103272
		ignota	*acceptata*	1582	162357
		incerta		5536	286216
		minima		1582	84002
		tenelloides		1582	257197
	Reimeria	*sinuata*		14235	2353624
Nitzschiacea					
	Nitzschia	*fonticola*		9490	942375
		frustulum		3163	236345
		inconspicua		3163	114380
		palea	*debilis*	25306	4385865
		paleacea		185052	5669314
Surirellacea					
	Surirella	*angusta*		1582	1791522
		brebissonii		1582	4493721
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		2920894	94661306
Oscillatoria					
	Hydrocoleum	*brebissonii*		380174	37230178
		Total Density			3893398
		Total Biovolume			315018148
		Chlorophyll *a*, UG/L (70957)			20.7
		Biomass, Ash Weight, g/sq. m (00572)			79.2
		Biomass, Total, Dry Weight, g/sq. m (00573)			86.0

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

09067200 LAKE CREEK NEAR EDWARDS, CO (LAT 39 38 51N LONG 106 36 31W)

Date: 8/15/00 Time: 1430

Organisms				Density	Biovolume
Chlorophyta					
Chlamydomona					
	Chlamydomona	*sp.*		869	73902
Desmidiaceae					
	Closterium	*sp.*		869	73902
Chrysophyta					
Achnanthacea					
	Achnanthes	*biasolettian*		27473	3456353
		minutissima		138251	7613730
	Cocconeis	*pediculus*		591	2043768
		placentula	*lineata*	1772	1857083
Diatomaceae					
	Diatoma	*tenue*		886	99774
	Fragilaria	*capucina*		6499	1214145
		construens	*pumila*	7090	851518
		leptostauron		1182	577144
		vaucheriae		4431	916628
	Hannaea	*arcus*		1182	2869162
	Synedra	*ulna*		1182	7747464
Melosiraceae					
	Melosira	*varians*		1182	6415374
Naviculaceae					
	Amphipleura	*pellucida*		591	668306
	Amphora	*perpusilla*		591	55909
	Cymbella	*affinis*		2363	1196063
		brehmii		1182	32579
		microcephala		2954	184139
		minuta	*silesiaca*	16543	7789212
		minuta		1772	379274
	Frustulia	*vulgaris*		591	917241
	Gomphonema	*angustatum*		591	244261
		olivaceum		591	203281
	Navicula	*cryptotenell*		2068	748402
		menisculus	*upsaliensis*	591	111539
		secreta	*apiculata*	591	147690
		tripunctata		1477	1397514
	Reimeria	*sinuata*		2659	439593
Nitzschiacea					
	Denticula	*tenuis*		295	112329
	Nitzschia	*dissipata*		591	153635
		frustulum	*perminuta*	1182	63415
		palea	*debilis*	591	102395
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		159977	5184578
Oscillatoria					
	Hydrocoleum	*brebissonii*		123460	12090365
	Oscillatoria	*sp. 1 ANS*		493841	8007796
Rhodophyta					
Chantransiac					
	Audouinella	*violacea*		6086	21539667
		Total Density			1014637
		Total Biovolume			97579130
		Chlorophyll *a*, UG/L (70957)			5.4
		Biomass, Ash Weight, g/sq. m (00572)			143.1
		Biomass, Total, Dry Weight, g/sq. m (00573)			150.8

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

09069000 EAGLE RIVER AT GYPSUM, CO (LAT 39 39 00N LONG 106 57 06W)

Date: 8/14/00 Time: 1050

Organisms				Density	Biovolume
Chlorophyta					
Chaetophorac					
	Stigeocloniu	*lubricum*		28724	42634084
Scenedesmace					
	Scenedesmus	*acutus*		107235	9738362
Chrysophyta					
Achnanthacea					
	Achnanthes	*minutissima*		141151	7773449
	Cocconeis	*placentula*	*euglypta*	601	361855
		placentula	*lineata*	5406	5663915
Naviculaceae					
	Amphora	*perpusilla*		7208	682065
	Cymbella	*affinis*		12613	6383773
		minuta	*silesiaca*	137547	64764236
		minuta		21022	4498467
	Gomphonema	*parvulum*		5406	1207402
	Navicula	*minima*		1201	63801
	Reimeria	*sinuata*		32435	5362852
	Rhoicospheni	*curvata*		1201	639732
Nitzschiacea					
	Nitzschia	*fonticola*		10812	1073625
		frustulum	*perminuta*	2403	128939
		inconspicua		1802	65155
		palea	*debilis*	4805	832785
Thalassiosir					
	Cyclotella	*meneghiniana*		1201	916371
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		11952927	387374469
Oscillatoria					
	Hydrocoleum	*brebissonii*		1204484	117954185
Rhodophyta					
Chantransiac					
	Audouinella	*violacea*		13404	47440651
			Total Density		13693588
			Total Biovolume		705560173
			Chlorophyll *a*, UG/L (70957)		48.9
			Biomass, Ash Weight, g/sq. m (00572)		219.7
			Biomass, Total, Dry Weight, g/sq. m (00573)		237.7

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

393030106224700 EAGLE RIVER BLW HOMESTAKE CREEK NR RED CLIFF, CO (LAT 39 30 30N LONG 106 22 47W)

Date: 8/17/00 Time: 0845

Organisms				Density	Biovolume
Chlorophyta					
Desmidiaceae					
	Cosmarium	*subcrenatum*		349	29696
Chrysophyta					
Achnanthacea					
	Achnanthes	*biasolettian*		3174	399257
		lanceolata	*dubia*	163	13172
		lapponica	*ninckei*	244	364465
		minutissima		39465	2173434
		pusilla		244	22158
	Cocconeis	*pediculus*		163	562969
		placentula	*lineata*	1139	1193606
		placentula	*euglypta*	244	147067
Diatomaceae					
	Diatoma	*vulgare*		244	901988
	Fragilaria	*construens*	*pumila*	1546	185690
		leptostauron		163	79489
		pinnata		1139	109679
		vaucheriae		570	117829
	Synedra	*rumpens*	*fragilarioid*	488	50023
		ulna		325	2134089
Naviculaceae					
	Amphipleura	*pellucida*		81	92045
	Cymbella	*affinis*		163	82366
		brehmii		570	15705
		microcephala		163	10144
		minuta	*silesiaca*	3499	1647506
		minuta		488	104474
		sp. 5 ANS		488	905182
	Gomphonema	*olivaceoides*		244	37344
		parvulum	*exilissima*	163	211893
		parvulum		163	36349
		subclavatum		488	389789
	Navicula	*cryptotenell*		814	294503
		expecta		163	1220742
		incerta		163	8414
	Reimeria	*sinuata*		814	134543
Nitzschiacea					
	Nitzschia	*dissipata*		325	84640
		fonticola		163	16161
Thalassiosir					
	Aulacosira	*distans*		81	32512
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		463605	15024677
Oscillatoria					
	Hydrocoleum	*brebissonii*		278093	27233456
Rhodophyta					
Chantransiac					
	Audouinella	*violacea*		14673	51931262
		Total Density			815064
		Total Biovolume			107998318
		Chlorophyll *a*, UG/L (70957)			5.2
		Biomass, Ash Weight, g/sq. m (00572)			84.3
		Biomass, Total, Dry Weight, g/sq. m (00573)			87.5

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

393221106450700 EAST BRUSH CREEK ABOVE CONFLUENCE (LAT 39 38 52N LONG 106 50 32W)

Date: 8/14/00 Time: 1640

Organisms				Density	Biovolume
Chlorophyta					
Desmidiaceae					
	Closterium	*lunula*		785	66764
		sp.		393	33382
Chrysophyta					
Achnanthacea					
	Achnanthes	*biasolettian*		99	12515
		lanceolata	*dubia*	199	16102
		lanceolata		298	42626
		minutissima		45658	2514467
	Cocconeis	*pediculus*		199	688198
		placentula	*lineata*	1492	1563338
		placentula	*euglypta*	9947	5992700
Diatomaceae					
	Fragilaria	*construens*	*pumila*	199	23894
	Meridion	*circulare*		199	129124
	Synedra	*ulna*	*contracta*	597	948815
Melosiraceae					
	Melosira	*varians*		398	2160248
Naviculaceae					
	Amphora	*perpusilla*		1592	150609
	Cymbella	*affinis*		298	151031
		minuta	*silesiaca*	2288	1077246
	Gomphonema	*tenellum*		2288	396855
	Navicula	*contenta*		199	10292
		cryptocephal		199	75373
		cryptocephal	*veneta*	199	43139
		cryptotenell		1592	576021
		incerta		99	5143
		minima		398	21132
		minuscula		199	10209
		tripunctata		1890	1788222
	Reimeria	*sinuata*		5670	937485
Nitzschiacea					
	Nitzschia	*archibaldii*		199	8175
		dissipata		5570	1448539
		frustulum	*perminuta*	199	10677
		linearis		398	1029062
		palea	*debilis*	99	17240
		sublinearis		398	1041536
		tubicola		199	48692
Cryptophyta					
Cryptomonada					
	Cryptomonas	*ovata*		393	3927
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		333427	10805812
Oscillatoria					
	Hydrocoleum	*brebissonii*		55768	5461269
Rhodophyta					
Chantransiac					
	Audouinella	*violacea*		5498	19459116
		Total Density			479522
		Total Biovolume			58768975
		Chlorophyll *a*, UG/L (70957)			15.3
		Biomass, Ash Weight, g/sq. m (00572)			109.9
		Biomass, Total, Dry Weight, g/sq. m (00573)			116.5

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

393501106313200 BEAVER CREEK ABOVE AVON, CO (LAT 39 35 01N LONG 106 31 32W)

Date: 8/16/00 Time: 1030

Organisms			Density	Biovolume
Chlorophyta				
Chlamydomona				
Chlamydomona	*sp.*		1488	126484
Chrysophyta				
Achnanthacea				
Achnanthes	*biasolettian*		186	23461
	clevei		93	20234
	lanceolata		559	79912
	minutissima		26853	1478859
	nodosa		186	278416
Cocconeis	*placentula*	*lineata*	3823	4005405
	placentula	*euglypta*	93	56172
Diatomaceae				
Diatoma	*mesodon*		93	99286
Fragilaria	*capucina*		559	104516
	construens	*pumila*	186	22397
	vaucheriae		1119	231454
Hannaea	*arcus*		373	905603
Naviculaceae				
Amphora	*perpusilla*		559	52940
Cymbella	*brehmii*		4476	123397
	minuta		186	39904
	minuta	*silesiaca*	4942	2326826
Gomphonema	*olivaceoides*	*hutchinsonia*	186	28249
	olivaceoides		93	14264
	pumilum		9231	2693381
	subclavatum		932	744402
Navicula	*cryptocephal*		186	70651
	cryptocephal	*veneta*	932	202182
	cryptotenell		1492	539932
	ignota	*acceptata*	186	19142
	incerta		2984	154266
	minuscula		186	9569
Reimeria	*sinuata*		11562	1911666
Nitzschiacea				
Nitzschia	*frustulum*	*perminuta*	373	20016
	palea	*debilis*	186	32319
Thalassiosir				
Cyclotella	*stelligera*		93	24486
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		239079	7748141
Oscillatoria				
Hydrocoleum	*brebissonii*		889849	87142173
	Total Density			1203324
	Total Biovolume			111330105
	Chlorophyll *a*, UG/L (70957)			1.3
	Biomass, Ash Weight, g/sq. m (00572)			116.4
	Biomass, Total, Dry Weight, g/sq. m (00573)			120.4

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

393523106364700 WEST LAKE CREEK NEAR EDWARDS, CO (LAT 39 35 23N LONG 106 36 47W)

Date: 8/15/00 Time: 1315

Organisms				Density	Biovolume
Chlorophyta					
Chlamydomona					
	Chlamydomona	*sp.*		98	8321
Chrysophyta					
Achnanthacea					
	Achnanthes	*biasolettian*		55	6935
		lanceolata		28	3937
		minutissima		6367	350646
		pusilla		41	3753
	Cocconeis	*placentula*	*lineata*	841	880815
		placentula	*euglypta*	14	8303
Diatomaceae					
	Fragilaria	*capucina*	*mesolepta*	28	10282
		construens	*pumila*	41	4966
		leptostauron		14	6731
		pinnata		28	2654
		vaucheriae		41	8553
	Hannaea	*arcus*		41	100390
Naviculaceae					
	Amphora	*perpusilla*		28	2608
	Caloneis	*bacillum*		28	11857
	Cymbella	*brehmii*		868	23939
		cymbiformis	*nonpunctata*	14	25551
		minuta		28	5898
		minuta	*silesiaca*	165	77868
	Gomphonema	*angustatum*		28	11395
		olivaceoides	*hutchinsonia*	14	2088
	Navicula	*elginensis*		28	27711
		incerta		96	4988
		minuscula	*muralis*	14	625
		tripunctata		41	39119
	Reimeria	*sinuata*		537	88868
Nitzschiacea					
	Nitzschia	*dissipata*		41	10751
		frustulum	*perminuta*	14	740
		vermicularis		14	63050
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		76257	2471373
Oscillatoria					
	Hydrocoleum	*brebissonii*		55309	5416327
	Oscillatoria	*sp. 1 ANS*		13411	217466
Rhodophyta					
Chantransiac					
	Audouinella	*violacea*		1370	4850364
		Total Density			155942
		Total Biovolume			14748872
		Chlorophyll *a*, UG/L (70957)			6.0
		Biomass, Ash Weight, g/sq. m (00572)			82.4
		Biomass, Total, Dry Weight, g/sq. m (00573)			84.6

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

393627106264000 EAGLE RIVER ABOVE GORE CREEK NR. MINTURN, CO (LAT 39 36 27N LONG 106 26 40W)

Date: 8/16/00 Time: 1135

Organisms			Density	Biovolume
Chlorophyta				
Chlamydomona				
Chlamydomona	*sp.*		1121	95326
Chrysophyta				
Achnanthacea				
Achnanthes	*biasolettian*		43846	5516230
	minutissima		149507	8233649
Diatomaceae				
Diatoma	*moniliformis*		359	54166
Fragilaria	*vaucheriae*		18329	3791572
Hannaea	*arcus*		719	1745310
Synedra	*rumpens*	*fragilarioid*	8625	883746
	ulna		9704	63622501
	ulna	*contracta*	1078	1714026
Naviculaceae				
Anomoeoneis	*vitrea*		3594	717946
Cymbella	*minuta*	*silesiaca*	26236	12353095
	minuta		719	153808
	naviculiform		719	1332628
Gomphonema	*olivaceoides*		7188	1099571
	pumilum		1438	419457
Navicula	*minima*		1078	57263
Reimeria	*sinuata*		2516	415962
Nitzschiacea				
Denticula	*tenuis*		359	136659
Nitzschia	*frustulum*	*perminuta*	2516	135013
	palea	*debilis*	719	124574
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		700924	22715776
Oscillatoria				
Hydrocoleum	*brebissonii*		98690	9664641
Rhodophyta				
Chantransiac				
Audouinella	*violacea*		217567	770006963
	Total Density			1297551
	Total Biovolume			904989882
	Chlorophyll *a*, UG/L (70957)			5.8
	Biomass, Ash Weight, g/sq. m (00572)			114.2
	Biomass, Total, Dry Weight, g/sq. m (00573)			119.1

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

393824106221700 MILL CREEK NEAR VAIL, CO (LAT 39 38 24N LONG 106 22 17W)

Date: 8/17/00 Time: 1645

Organisms				Density	Biovolume
Chlorophyta					
Chaetophorac					
	Stigeocloniu	*lubricum*		95529	141790844
Chrysophyta					
Achnanthacea					
	Achnanthes	*biasolettian*		33454	4208830
		minutissima		378376	20837890
	Cocconeis	*placentula*	*lineata*	1154	1208671
Diatomaceae					
	Diatoma	*mesodon*		11536	12283781
	Fragilaria	*vaucheriae*		24225	5011287
	Hannaea	*arcus*		68062	165262909
Naviculaceae					
	Amphora	*perpusilla*		2307	218327
	Cymbella	*affinis*		2307	1167676
		brehmii		2307	63612
		minuta		12689	2715334
		minuta	*silesiaca*	220335	103744996
	Gomphonema	*angustatum*		36915	15261664
		olivaceum		21918	7541343
	Navicula	*cryptotenell*		2307	835016
		tripunctata		1154	1091477
	Reimeria	*sinuata*		9229	1525900
Nitzschiacea					
	Nitzschia	*fonticola*		2307	229110
		tubicola		2307	564680
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		2071775	67142766
Oscillatoria					
	Hydrocoleum	*brebissonii*		1119475	109629265
		Total Density			4119668
		Total Biovolume			662335378
		Chlorophyll *a*, UG/L (70957)			47.4
		Biomass, Ash Weight, g/sq. m (00572)			210.5
		Biomass, Total, Dry Weight, g/sq. m (00573)			229.8

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

393826106235300 GORE CREEK BELOW WWTP (LAT 39 38 26N LONG 106 23 53W)

Date: 8/18/00 Time: 1215

Organisms			Density	Biovolume
Chlorophyta				
Chaetophorac				
Stigeocloniu	*lubricum*		31571	46860667
Chlamydomona				
Chlamydomona	*sp.*		4510	383367
Chrysophyta				
Achnanthacea				
Achnanthes	*biasolettian*		80598	10140042
	lanceolata		5656	807916
	minutissima		230483	12693138
Diatomaceae				
Diatoma	*moniliformis*		28280	4262223
Fragilaria	*vaucheriae*		53732	11115144
Hannaea	*arcus*		1414	3433404
Synedra	*ulna*	*contracta*	1414	2247908
	ulna		8484	55626351
Naviculaceae				
Cymbella	*brehmii*		14140	389862
	minuta	*silesiaca*	199375	93875958
	minuta		26866	5748911
Diatomella	*balfouriana*		14140	11511085
Gomphonema	*olivaceum*		11312	3892123
	parvulum		2828	631647
Navicula	*cryptocephal*	*veneta*	14140	3066126
	cryptotenell		26866	9723444
	incerta		55146	2851234
	tripunctata		8484	8027258
Reimeria	*sinuata*		97566	16131943
Nitzschiacea				
Nitzschia	*dissipata*		2828	735395
	fonticola		131503	13058658
	inconspicua		31108	1124825
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		1639456	53132027
Oscillatoria				
Hydrocoleum	*brebissonii*		1062151	104015572
	Total Density			3784051
	Total Biovolume			475486228
	Chlorophyll *a*, UG/L (70957)			56.2
	Biomass, Ash Weight, g/sq. m (00572)			118.1
	Biomass, Total, Dry Weight, g/sq. m (00573)			126.7

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

393845106353000 EAGLE RIVER AT EDWARDS, CO. (LAT 39 38 45N LONG 106 35 30W)

Date: 8/15/00 Time: 1600

Organisms				Density	Biovolume
Chlorophyta					
Chlamydomona					
	Chlamydomona	*sp.*		1794	152465
Scenedesmace					
	Scenedesmus	*acutus*		28699	2606262
Chrysophyta					
Achnanthacea					
	Achnanthes	*biasolettian*		795	100059
		minutissima		68398	3766787
Diatomaceae					
	Diatoma	*moniliformis*		2386	359599
		tenue		795	89540
		vulgare		795	2938648
	Fragilaria	*vaucheriae*		4772	987129
	Synedra	*rumpens*	*fragilarioid*	795	81487
		ulna	*contracta*	3181	5057428
Melosiraceae					
	Melosira	*varians*		5567	30226021
Naviculaceae					
	Caloneis	*bacillum*		1591	684242
	Cymbella	*brehmii*		9544	263138
		minuta		1591	340372
		minuta	*silesiaca*	187696	88376844
	Navicula	*atomus*		37380	976284
		minima		7953	422402
		pelliculosa		3181	83018
		tantula		795	43625
	Reimeria	*sinuata*		31813	5260037
Nitzschiacea					
	Nitzschia	*fonticola*		3977	394891
		frustulum	*perminuta*	7158	384144
		fruticosa		1591	296398
		inconspicua		6363	230061
		palea	*debilis*	53287	9235159
		paleacea		148725	4556385
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		2286972	74116969
Oscillatoria					
	Hydrocoleum	*brebissonii*		846628	82909623
		Total Density			3754222
		Total Biovolume			314939017
		Chlorophyll *a*, UG/L (70957)			34.8
		Biomass, Ash Weight, g/sq. m (00572)			105.9
		Biomass, Total, Dry Weight, g/sq. m (00573)			115.5

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

393851106503400 BRUSH CREEK AT MOUTH NEAR EAGLE, CO (LAT 39 38 51N LONG 106 50 34W)

Date: 8/14/00   Time: 1430

Organisms			Density	Biovolume
Chlorophyta				
Chlamydomona				
Chlamydomona	*sp.*		3002	255152
Chrysophyta				
Achnanthacea				
Achnanthes	*minutissima*		44275	2438326
Cocconeis	*pediculus*		3459	11965525
	placentula	*euglypta*	6918	4167744
Diatomaceae				
Diatoma	*vulgare*		4151	15336915
Naviculaceae				
Amphora	*perpusilla*		35974	3404187
Caloneis	*bacillum*		1384	595180
Cymbella	*affinis*		8993	4551635
	minuta	*silesiaca*	28364	13355173
Diploneis	*puella*		692	226557
Gomphonema	*olivaceum*		4843	1666192
	tenellum		2767	480001
Navicula	*atomus*		4151	108410
	cryptocephal	*veneta*	51885	11250755
	cryptotenell		96160	34802601
	minima		1384	73484
	nivalis		1384	1989587
	salinarum	*intermedia*	24213	9017210
	secreta	*apiculata*	12452	3112827
	tripunctata		57420	54328094
Pinnularia	*obscura*		692	241414
Reimeria	*sinuata*		4151	686308
Rhoicospheni	*curvata*		25597	13631258
Nitzschiacea				
Nitzschia	*accommodata*		2767	693761
	archibaldii		3459	142130
	dissipata		69180	17989570
	dissipata	*media*	4151	2002154
	frustulum	*perminuta*	1384	74254
	inconspicua		6918	250145
	palea	*debilis*	11069	1918354
Simonsenia	*delognei*		1384	92164
Thalassiosir				
Cyclotella	*meneghiniana*		692	527725
Cyanophyta				
Chroococcace				
Merismopedia	*glauca*		48029	2608521
Nostocaceae				
Amphithrix	*janthina*		1080643	35021831
Oscillatoria				
Hydrocoleum	*brebissonii*		732436	71726832
		Total Density		2386423
		Total Biovolume		320731976
		Chlorophyll *a*, UG/L (70957)		48.8
		Biomass, Ash Weight, g/sq. m (00572)		323.9
		Biomass, Total, Dry Weight, g/sq. m (00573)		347.6

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

393852106503200 EAGLE RIVER ABOVE BRUSH CREEK AT EAGLE, CO (LAT 39 38 52N LONG 106 50 32W)

Date: 8/14/00 Time: 1400

Organisms			Density	Biovolume
Chlorophyta				
Chaetophorac				
Stigeocloniu	*lubricum*		5547	8233592
Chlamydomona				
Chlamydomona	*sp.*		792	67359
Chrysophyta				
Achnanthacea				
Achnanthes	*minutissima*		56687	3121847
Cocconeis	*placentula*	*lineata*	795	832621
	placentula	*euglypta*	6093	3670414
Diatomaceae				
Fragilaria	*construens*		265	51263
	vaucheriae		265	54796
Melosiraceae				
Melosira	*varians*		265	1438163
Naviculaceae				
Amphora	*perpusilla*		1854	175467
Caloneis	*bacillum*		1060	455790
Cymbella	*brehmii*		1589	43821
	minuta	*silesiaca*	54833	25817970
	minuta		8477	1813838
Gomphonema	*olivaceum*		795	273423
	parvulum		4768	1064961
Navicula	*atomus*		13245	345918
	cryptocephal	*veneta*	1589	344634
	cryptotenell		530	191740
	minima		1060	56274
	secreta	*apiculata*	1060	264867
Reimeria	*sinuata*		18278	3022060
Rhoicospheni	*curvata*		530	282131
Nitzschiacea				
Nitzschia	*archibaldii*		3708	152381
	fonticola		2119	210437
	frustulum	*perminuta*	3973	213240
	inconspicua		1060	38312
	palea		530	170434
	palea	*debilis*	1589	275452
	paleacea		2384	73038
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		3341794	108301997
Oscillatoria				
Hydrocoleum	*brebissonii*		66566	6518800
	Total Density			3604100
	Total Biovolume			167577040
	Chlorophyll *a*, UG/L (70957)			18.4
	Biomass, Ash Weight, g/sq. m (00572)			87.7
	Biomass, Total, Dry Weight, g/sq. m (00573)			95.4

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

393858106570900 GYPSUM CREEK AT MOUTH (LAT 39 38 58N LONG 106 57 09W)

Date: 8/14/00   Time: 1130

Organisms				Density	Biovolume
Chrysophyta					
Achnanthacea					
	Achnanthes	*lanceolata*	*dubia*	4124	333816
		minutissima		637905	35130631
	Cocconeis	*pediculus*		19247	66580334
		placentula	*euglypta*	4124	2484726
Diatomaceae					
	Diatoma	*vulgare*		2750	10159514
	Fragilaria	*vaucheriae*		4124	853177
Naviculaceae					
	Amphora	*perpusilla*		41244	3902901
	Cymbella	*affinis*		10998	5566346
		microcephala		9624	599875
		minuta	*silesiaca*	63241	29776914
	Gomphonema	*olivaceum*		4124	1419072
		parvulum		5499	1228263
		pumilum		5499	1604562
	Navicula	*cryptocephal*	*veneta*	23372	5067871
		cryptotenell		75614	27366281
		ignota	*acceptata*	2750	282248
		minima		2750	146033
		salinarum	*intermedia*	2750	1023977
		tripunctata		19247	18210866
	Reimeria	*sinuata*		2750	454626
Nitzschiacea					
	Hantzschia	*amphioxys*		5499	5745250
	Nitzschia	*dissipata*		30246	7865017
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		1083727	35121800
Oscillatoria					
	Hydrocoleum	*brebissonii*		2279015	223182106
Rhodophyta					
Chantransiac					
	Audouinella	*violacea*		159372	564044309
		Total Density			4499595
		Total Biovolume			1048150515
		Chlorophyll *a*, UG/L (70957)			80.0
		Biomass, Ash Weight, g/sq. m (00572)			493.1
		Biomass, Total, Dry Weight, g/sq. m (00573)			527.2

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

393930106382001 SQUAW CREEK (LAT 39 39 30N LONG 106 38 20W)

Date: 8/15/00 Time: 1100

Organisms			Density	Biovolume
Chlorophyta				
Chlamydomona				
Chlamydomona	*sp.*		2224	189021
Cladophorace				
Cladophora	*glomerata*		4448	24143551235
Chrysophyta				
Achnanthacea				
Achnanthes	*lanceolata*		1584	226242
	minutissima		9701	534261
Cocconeis	*pediculus*		10691	36982943
	placentula	*lineata*	792	829748
	placentula	*euglypta*	13463	8110655
Diatomaceae				
Synedra	*ulna*		396	2596185
Melosiraceae				
Melosira	*varians*		1386	7524300
Naviculaceae				
Amphora	*perpusilla*		21976	2079596
	submontana		198	52964
Gomphonema	*olivaceum*		7127	2452310
	tenellum		792	137369
Navicula	*atomus*		396	10342
	bremensis		198	4633
	capitata		396	313457
	cryptotenell		13265	4800845
	hustedtii		594	77207
	menisculus	*upsaliensis*	198	37377
	pupula		1980	1259648
	salinarum	*intermedia*	1980	737310
	secreta	*apiculata*	2178	544404
	tripunctata		13265	12550677
	vandamii		396	2970141
	viridula	*avenacea*	594	746641
Reimeria	*sinuata*		396	65470
Nitzschiacea				
Nitzschia	*capitellata*		792	331143
	dissipata	*media*	2178	1050473
	dissipata		7523	1956367
	flexoides		396	4638345
	fonticola		396	39321
	frustulum	*perminuta*	792	42501
	linearis		1188	3072254
	palea		1980	636922
	palea	*debilis*	3168	549003
	recta		594	1030688
Surirellacea				
Surirella	*minuta*		1584	1495077
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		157888	5116884
Oscillatoria				
Hydrocoleum	*brebissonii*		849481	83189029
Rhodophyta				
Chantransiac				
Audouinella	*violacea*		13343	47221941
	Total Density			1151917
	Total Biovolume			24379754929
	Chlorophyll *a*, UG/L (70957)			38.1
	Biomass, Ash Weight, g/sq. m (00572)			301.5
	Biomass, Total, Dry Weight, g/sq. m (00573)			320.7

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

394129106393300 EAGLE RIVER AT EAGLE SPGS. GOLF COURSE NR WOLCOTT (LAT 39 41 29N LONG 106 39 33W)

Date: 8/18/00 Time: 1145

Organisms				Density	Biovolume
Chlorophyta					
Scenedesmace					
Scenedesmus	*acutus*			4177	379316
	quadricauda			2088	238721
Chrysophyta					
Achnanthacea					
Achnanthes	*biasolettian*			936	117750
	lanceolata			187	26738
	minutissima			15911	876243
	subatomoides			562	838411
Cocconeis	*placentula*	*lineata*		187	196125
	placentula	*euglypta*		1123	676622
Diatomaceae					
Fragilaria	*construens*	*pumila*		1310	157375
	leptostauron			187	91428
	pinnata			749	72087
	vaucheriae			2059	425940
Hannaea	*arcus*			562	1363548
Synedra	*rumpens*	*fragilarioid*		374	38358
	ulna			1123	7363848
Melosiraceae					
Melosira	*varians*			3744	20325722
Naviculaceae					
Amphora	*perpusilla*			749	70854
Caloneis	*bacillum*			1497	644173
Cymbella	*affinis*			*749*	*378947*
	brehmii			562	15483
	microcephala			374	23336
	minuta			1872	400550
	minuta	*silesiaca*		52600	24766569
Gomphonema	*olivaceoides*			1685	257717
Navicula	*atomus*			749	19556
	cryptocephal	*veneta*		374	81179
	ignota	*acceptata*		374	38430
	incerta			187	9678
	minima			1497	79533
	secreta	*apiculata*		4305	1076228
	tripunctata			374	354218
Reimeria	*sinuata*			5241	866602
Rhoicospheni	*curvata*			187	99685
Nitzschiacea					
Denticula	*tenuis*			374	142356
Nitzschia	*accommodata*			2059	516222
	dissipata			936	243380
	fonticola			13290	1319770
	inconspicua			1497	54147
	linearis			374	968242
	palea	*debilis*		749	129766
	paleacea			3369	103225
Surirellacea					
Surirella	*angusta*			374	424052
Thalassiosir					
Aulacosira	*distans*			562	224371
Cyclotella	*meneghiniana*			374	285582
Cyanophyta					
Nostocaceae					
Amphithrix	*janthina*			294472	9543331
Oscillatoria					
Hydrocoleum	*brebissonii*			14097	1380512
Oscillatoria	*sp. 1 ANS*			74140	1202204
		Total Density			515322
		Total Biovolume			78908130
		Chlorophyll *a*, UG/L (70957)			8.2
		Biomass, Ash Weight, g/sq. m (00572)			98.5
		Biomass, Total, Dry Weight, g/sq. m (00573)			101.8

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

PERIPHYTON ANALYSIS--Continued

394220106431500 EAGLE R BLW MILK CR NR WOLCOTT (LAT 39 42 20N LONG 106 43 15W)

Date: 8/15/00 Time: 0815

Organisms				Density	Biovolume
Chlorophyta					
Chlamydomona					
	Chlamydomona	*sp.*		142	12062
Chrysophyta					
Achnanthacea					
	Achnanthes	*biasolettian*		346	43528
		lanceolata		247	35301
		minutissima		5585	307588
	Cocconeis	*placentula*	*euglypta*	1582	952863
		placentula	*lineata*	49	51787
Diatomaceae					
	Fragilaria	*construens*	*pumila*	99	11873
		vaucheriae		247	51122
	Hannaea	*arcus*		247	600074
Naviculaceae					
	Amphora	*perpusilla*		247	23386
		veneta		99	56300
	Caloneis	*bacillum*		198	85047
	Cymbella	*affinis*		99	50030
		brehmii		890	24530
		minuta	*silesiaca*	7315	3444347
		minuta		1928	412483
	Gomphonema	*olivaceum*		99	34012
	Navicula	*atomus*		6129	160073
		minima		643	34126
		secreta	*apiculata*	445	111200
		tripunctata		99	93531
	Reimeria	*sinuata*		5140	849925
	Rhoicospheni	*curvata*		198	105287
Nitzschiacea					
	Nitzschia	*archibaldii*		1236	50773
		fonticola		692	68715
		frustulum	*perminuta*	445	23873
		inconspicua		445	16085
		palea	*debilis*	198	34265
		paleacea		247	7571
Cyanophyta					
Nostocaceae					
	Amphithrix	*janthina*		80601	2612130
Oscillatoria					
	Hydrocoleum	*brebissonii*		8798	861576
		Total Density			124735
		Total Biovolume			11225463
		Chlorophyll *a*, UG/L (70957)			6.2
		Biomass, Ash Weight, g/sq. m (00572)			109.6
		Biomass, Total, Dry Weight, g/sq. m (00573)			113.6

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

MACROINVERTEBRATE ANALYSIS

09063000 EAGLE RIVER AT RED CLIFF, CO (LAT 39 30 30N LONG 106 22 36W)
Date 8/17/00 Time 0945

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	11
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	3
Naididae	
Nais communis	5
ARTHROPODA	
INSECTA	
EPHEMEROPTERA	
Ameletidae	
Ameletus sp.	2
Baetidae	
Acentrella insignificans	11
Baetis flavistriga	2
Baetis tricaudatus	499
Ephemerellidae	
Drunella coloradensis	10
Drunella doddsi	32
Heptageniidae	
Cinygmula sp.	2
Epeorus deceptivus	10
Epeorus longimanus	11
Rhithrogena robusta	10
Leptophlebiidae	
Paraleptophlebia sp.	5
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	22
Perlodidae	
Cultus sp.	2
Skwala americana	22
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	3
Glossosomatidae	
Glossosoma sp.	29
Hydropsychidae	
Arctopsyche grandis	43
Lepidostomatidae	
Lepidostoma ormea/pluviale	3
Rhyacophilidae	
Rhyacophila angelita/tucula	37
Rhyacophila brunnea/vao	38
COLEOPTERA	
Elmidae	
Cleptelmis sp.	16
Heterlimnius corpulentus	91
DIPTERA	
Ceratopogonidae	2
Chironomidae	
Brillia sp.	6
Micropsectra sp.	232
Orthocladius/Cricotopus gr.	6
Pagastia sp.	17
Rheocricotopus sp.	6
Psychodidae	
Pericoma sp.	16
Simuliidae	
Simulium sp.	54
Tipulidae	
Dicranota sp.	2
Limonia sp.	3
Total Abundance:	1,263

MACROINVERTEBRATE ANALYSIS--Continued

09064500 HOMESTAKE CREEK NEAR RED CLIFF, CO (LAT 39 28 24N LONG 106 22 02W)
Date 8/17/00 Time 1100

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	6
NEMATODA	45
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	19
Naididae	
Ophidonais serpentina	6
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	51
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	26
Baetis tricaudatus	762
Ephemerellidae	
Attenella margarita	26
Drunella coloradensis	134
Drunella doddsi	51
Heptageniidae	
Cinygmula sp.	154
Epeorus deceptivus	6
Epeorus longimanus	32
Leptophlebiidae	
Paraleptophlebia sp.	1,203
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	141
Perlidae	
Hesperoperla pacifica	26
Perlodidae	
Skwala americana	122
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	83
Glossosomatidae	
Glossosoma sp.	77
Hydropsychidae	
Arctopsyche grandis	96
Lepidostomatidae	
Lepidostoma ormea/pluviale	19
Philopotamidae	
Chimarra utahensis	6
Rhyacophilidae	
Rhyacophila angelita/tucula	64
Rhyacophila brunnea/vao	83
COLEOPTERA	
Elmidae	
Cleptelmis ornata	506
Chironomidae	
Cricotopus trifascia	75
Eukiefferiella sp.	75
Micropsectra sp.	373
Orthocladius/Cricotopus gr.	75
Pagastia sp.	281
Rheocricotopus sp.	18
Stempellinella sp.	18
Tvetenia sp.	18
Empididae	
Neoplasta sp.	13
Psychodidae	
Pericoma sp.	6
Simuliidae	
Simulium sp.	301
Tipulidae	
Hexatoma sp.	6
MOLLUSCA	
PELECYPODA	
VENEROIDA	
Pisidiidae	
Sphaerium sp.	6
Total Abundance:	5,009

MACROINVERTEBRATE ANALYSIS--Continued

09064600 EAGLE RIVER NEAR MINTURN, CO (LAT 39 33 14N LONG 106 24 07W)
Date 8/16/00 Time 1430

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	35
NEMATODA	6
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	96
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	32
Sperchonidae	
Sperchon/Sperchonopsis sp.	3
Torrenticolidae	
Testudacarus sp.	10
INSECTA	
EPHEMEROPTERA	
Ameletidae	
Ameletus sp.	6
Baetidae	
Baetis flavistriga	192
Baetis tricaudatus	189
Ephemerellidae	
Drunella doddsi	493
Drunella grandis	6
Ephemerella inermis	48
Serratella tibialis	6
Heptageniidae	
Cinygmula sp.	13
Epeorus deceptivus	6
Rhithrogena robusta	83
PLECOPTERA	
Capniidae	10
Chloroperlidae	
Suwallia sp.	3
Sweltsa sp.	86
Nemouridae	
Zapada cinctipes	10
Perlidae	
Claassenia sabulosa	3
Perlodidae	
Isoperla sp.	13
Skwala americana	3
Pteronarcyidae	
Pteronarcella badia	10
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	32
Glossosomatidae	
Glossosoma sp.	3
Hydropsychidae	
Arctopsyche grandis	102
Lepidostomatidae	
Lepidostoma sp.	6
Rhyacophilidae	
Rhyacophila sibirica gr.	3
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	106
Narpus concolor	22
DIPTERA	
Athericidae	
Atherix pachypus	6
Ceratopogonidae	13
Chironomidae	
Micropsectra sp.	112
Pagastia sp.	303
Rheocricotopus sp.	350
Tvetenia sp.	31
Empididae	
Neoplasta sp.	19
Psychodidae	
Pericoma sp.	6
Simuliidae	
Simulium sp.	80
Tipulidae	
Hexatoma sp.	6
Total Abundance:	2,562

MACROINVERTEBRATE ANALYSIS--Continued

09065100 CROSS CREEK NEAR MINTURN, CO (LAT 39 34 05N LONG 106 24 45W)
Date 8/16/00 Time 1330

Organisms	Abundance per square meter
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	6
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	83
Sperchonidae	
Sperchon/Sperchonopsis sp.	26
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	45
Baetis bicaudatus	51
Baetis flavistriga	83
Baetis tricaudatus	589
Ephemerellidae	
Drunella doddsi	19
Drunella grandis	45
Ephemerella infrequens	262
Serratella tibialis	19
Heptageniidae	
Epeorus deceptivus	6
Epeorus longimanus	6
Rhithrogena robusta	38
Leptophlebiidae	
Paraleptophlebia sp.	38
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	134
Nemouridae	
Zapada oregonensis gr.	6
Perlidae	
Claassenia saboulosa	26
Hesperoperla pacifica	26
Perlodidae	
Isoperla sp.	58
Pteronarcyidae	
Pteronarcella badia	6
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	333
Glossosomatidae	
Glossosoma sp.	160
Hydropsychidae	
Arctopsyche grandis	64
Lepidostomatidae	
Lepidostoma ormea/pluviale	6
Philopotamidae	
Chimarra utahensis	6
Rhyacophilidae	
Rhyacophila brunnea/vao	13
Rhyacophila rotunda	6
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	134
Narpus concolor	6
DIPTERA	
Athericidae	
Atherix pachypus	6
Chironomidae	
Conchapelopia/Thienemannimy	78
Micropsectra sp.	256
Orthocladius	20
Orthocladius/Cricotopus gr.	78
Pagastia sp.	413
Polypedilum fallax	40
Rheocricotopus sp.	20
Stempellinella sp.	40
Tanytarsus sp.	20
Tvetenia sp.	20
Empididae	
Neoplasta sp.	13
Simuliidae	
Simulium sp.	115
Total Abundance:	3,419

MACROINVERTEBRATE ANALYSIS--Continued

09065500 GORE CREEK AT UPPER STATION NEAR MINTURN, CO (LAT 39 37 40N LONG 106 16 24W)
Date 8/18/00 Time 0835

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	30
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	13
Naididae	
Nais communis	4
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Sperchonidae	
Sperchon/Sperchonopsis sp.	86
INSECTA	
LEPIDOPTERA	
Pyralidae	
Petrophila sp.	4
EPHEMEROPTERA	
Ameletidae	
Ameletus sp.	4
Baetidae	
Baetis tricaudatus	426
Ephemerellidae	
Drunella coloradensis	9
Drunella doddsi	265
Serratella/Ephemerella sp.	4
Heptageniidae	
Cinygmula sp.	51
Epeorus deceptivus	179
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	4
Leuctridae	34
Nemouridae	
Zapada oregonensis gr.	51
Perlidae	
Hesperoperla pacifica	4
Perlodidae	
Skwala americana	13
Pteronarcyidae	
Pteronarcella badia	34
TRICHOPTERA	
Hydropsychidae	
Hydropsyche sp.	90
Rhyacophilidae	
Rhyacophila angelita/tucula	68
Rhyacophila brunnea/vao	55
DIPTERA	
Chironomidae	
Hydrobaenus sp.	9
Micropsectra sp.	291
Orthocladius/Cricotopus gr.	75
Pagastia sp.	56
Rheocricotopus sp.	38
Empididae	
Chelifera/Metachela sp.	9
Psychodidae	
Pericoma sp.	47
Simuliidae	
Prosimulium sp.	333
Total Abundance:	2,286

MACROINVERTEBRATE ANALYSIS--Continued

09066000 BLACK GORE CREEK NEAR MINTURN, CO (LAT 39 35 47N LONG 106 15 52W)
Date 8/17/00 Time 1435

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	70
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	26
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	6
Sperchonidae	
Sperchon/Sperchonopsis sp.	6
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	13
Baetis tricaudatus	966
Ephemerellidae	
Drunella coloradensis	83
Drunella doddsi	186
Ephemerella inermis	6
Heptageniidae	
Cinygmula sp.	96
Epeorus deceptivus	90
Rhithrogena robusta	109
PLECOPTERA	
Capniidae	51
Chloroperlidae	
Sweltsa sp.	435
Leuctridae	
Perlomyia sp.	13
Nemouridae	
Zapada oregonensis gr.	134
Perlodidae	
Cultus sp.	115
Isoperla sp.	26
Kogotus sp.	6
Megarcys signata	51
Skwala americana	64
Taeniopterygidae	
Taenionema sp.	38
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	6
Limnephilidae	
Oligophlebodes sp.	26
Rhyacophilidae	
Rhyacophila brunnea/vao	83
Rhyacophila coloradensis	6
Rhyacophila sibirica gr.	115
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	307
DIPTERA	
Chironomidae	
Diamesa sp.	48
Eukiefferiella sp.	175
Hydrobaenus sp.	10
Orthocladius/Cricotopus gr.	98
Pagastia sp.	137
Polypedilum fallax	10
Tvetenia sp.	10
Empididae	
Oreogeton sp.	6
Psychodidae	
Pericoma sp.	109
Simuliidae	
Simulium sp.	6
Tipulidae	
Hexatoma sp.	19
Total Abundance:	3,761

MACROINVERTEBRATE ANALYSIS--Continued

09066050 BLACK GORE CREEK NEAR VAIL, CO (LAT 39 38 28N LONG 106 23 37W)
Date 8/17/00 Time 1530

Organisms	Abundance per square meter
NEMATODA	13
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	3
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Sperchonidae	
Sperchon/Sperchonopsis sp.	3
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	19
Baetis flavistriga	16
Baetis tricaudatus	477
Ephemerellidae	
Drunella coloradensis	16
Drunella doddsi	19
Serratella tibialis	3
Heptageniidae	
Cinygmula sp.	19
Epeorus longimanus	157
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	3
Leuctridae	
Paraleuctra utahensis	3
Nemouridae	
Zapada oregonensis gr.	42
Perlodidae	
Megarcys signata	3
Skwala americana	19
TRICHOPTERA	
Hydropsychidae	
Arctopsyche grandis	3
Rhyacophilidae	
Rhyacophila angelita/tucula	3
Rhyacophila brunnea/vao	6
Rhyacophila rotunda	16
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	51
DIPTERA	
Ceratopogonidae	3
Chironomidae	
Orthocladius euorthocladius	7
Pagastia sp.	379
Rheocricotopus sp.	7
Psychodidae	
Pericoma sp.	16
Simuliidae	
Prosimulium sp.	54
Total Abundance:	1,360

MACROINVERTEBRATE ANALYSIS--Continued

09066310 GORE CREEK AT LOWER STATION AT VAIL, CO (LAT 39 38 28N LONG 106 23 37W)
Date 8/18/00 Time 1425

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	128
NEMATODA	3
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	301
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Hygrobatidae	
Atractides sp.	6
Lebertiidae	
Lebertia sp.	16
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis flavistriga	16
Baetis sp.	64
Baetis tricaudatus	35
Ephemerellidae	
Drunella doddsi	10
Drunella grandis	102
Serratella tibialis	6
Heptageniidae	
Cinygmula sp.	10
Epeorus deceptivus	48
Epeorus longimanus	26
Rhithrogena robusta	3
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	67
Nemouridae	
Zapada oregonensis gr.	10
Perlodidae	
Cultus sp.	3
Megarcys signata	16
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	32
Brachycentrus occidentalis	42
Hydropsychidae	
Arctopsyche grandis	13
Rhyacophilidae	
Rhyacophila brunnea/vao	3
Rhyacophila sibirica gr.	16
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	16
DIPTERA	
Ceratopogonidae	3
Chironomidae	
Cardiocladius sp.	31
Pagastia sp.	656
Rheocricotopus sp.	94
Simuliidae	
Simulium sp.	778
Total Abundance:	2,554

MACROINVERTEBRATE ANALYSIS--Continued

09066510 GORE CREEK AT MOUTH NEAR MINTURN, CO (LAT 39 36 34N LONG 106 26 50W)
Date 8/17/00 Time 1220

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	51
NEMATODA	6
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	358
Naididae	
Nais bretscheri	12
Nais communis	74
HAPLOTAXIDA	
Lumbricidae	
Eiseniella tetraedra	6
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	51
Sperchonidae	
Sperchon/Sperchonopsis sp.	6
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	390
Baetis bicaudatus	32
Baetis flavistriga	160
Baetis sp.	346
Baetis tricaudatus	499
Fallceon quilleri	6
Ephemerellidae	
Drunella doddsi	96
Drunella grandis	301
Serratella tibialis	51
Heptageniidae	
Epeorus deceptivus	70
Epeorus longimanus	26
Leptophlebiidae	
Paraleptophlebia sp.	6
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	83
Nemouridae	
Zapada cinctipes	13
Zapada oregonensis gr.	13
Perlodidae	
Megarcys signata	13
Skwala americana	134
Pteronarcyidae	
Pteronarcella badia	6
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	109
Brachycentrus occidentalis	13,101
Hydropsychidae	
Arctopsyche grandis	96
Hydropsyche sp.	6
Lepidostomatidae	
Lepidostoma sp.	160
Rhyacophilidae	
Rhyacophila coloradensis	26
COLEOPTERA	
Dytiscidae	
Oreodytes sp.	13
Elmidae	
Heterlimnius corpulentus	13
Optioservus quadrimaculatus	26
Zaitzevia parvula	13
DIPTERA	
Chironomidae	
Cardiocladius sp.	43
Pagastia sp.	1,718
Polypedilum fallax	645
Empididae	
Clinocera sp.	6
Psychodidae	
Pericoma sp.	6
Simuliidae	
Simulium sp.	243
Tipulidae	
Antocha sp.	19
Tipula sp.	6
Total Abundance:	19,058

MACROINVERTEBRATE ANALYSIS--Continued

09067000 BEAVER CREEK AT AVON, CO (LAT 39 37 47N LONG 106 31 20W)
Date 8/16/00 Time 0915

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	17
ANNELIDA	
HIRUDINEA	
ARHYNCHOBDELLIDA	
Erpobdellidae	
Erpobdella punctata	4
ARTHROPODA	
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis bicaudatus	42
Baetis tricaudatus	192
Ephemerellidae	
Drunella coloradensis	9
Drunella doddsi	26
Serratella tibialis	4
Heptageniidae	
Epeorus deceptivus	9
Epeorus longimanus	26
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	34
Perlidae	
Hesperoperla pacifica	9
Perlodidae	
Megarcys signata	9
Skwala americana	4
Pteronarcyidae	
Pteronarcella badia	4
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	13
Hydropsychidae	
Arctopsyche grandis	81
Lepidostomatidae	
Lepidostoma ormea/pluviale	4
Rhyacophilidae	
Rhyacophila brunnea/vao	38
Rhyacophila coloradensis	17
Rhyacophila rotunda	64
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	304
Narpus concolor	4
Zaitzevia parvula	4
DIPTERA	
Chironomidae	17
Eukiefferiella sp.	17
Micropsectra sp.	83
Pagastia sp.	613
Tvetenia sp.	17
Simuliidae	
Prosimulium sp.	4
Total Abundance:	1,669

MACROINVERTEBRATE ANALYSIS--Continued

09067005 EAGLE RIVER AT AVON, CO (LAT 39 37 54N LONG 106 31 19W)
Date 8/16/00 Time 0800

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	13
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Tubificidae with capilliform chaetae	26
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	64
Sperchonidae	
Sperchon/Sperchonopsis sp.	26
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis tricaudatus	77
Ephemerellidae	
Drunella coloradensis	205
Drunella doddsi	730
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	38
Pteronarcyidae	
Pteronarcella badia	26
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	13
Brachycentrus occidentalis	3,264
Glossosomatidae	
Glossosoma sp.	794
Hydropsychidae	
Arctopsyche grandis	51
Lepidostomatidae	
Lepidostoma ormea/pluviale	525
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	90
DIPTERA	
Athericidae	
Atherix pachypus	26
Chironomidae	
Conchapelopia/Thienemannimy	36
Eukiefferiella sp.	324
Micropsectra sp.	108
Orthocladius euorthocladius	36
Orthocladius/Cricotopus gr.	217
Pagastia sp.	793
Polypedilum fallax	144
Rheocricotopus sp.	73
Tvetenia sp.	36
Total Abundance:	7,735

MACROINVERTEBRATE ANALYSIS--Continued

09067200 LAKE CREEK NEAR EDWARDS, CO (LAT 39 38 51N LONG 106 36 31W)
Date 8/15/00 Time 1430

Organisms	Abundance per square meter
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	38
Naididae	
Nais communis	13
ARTHROPODA	
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis tricaudatus	8,576
Ephemerellidae	
Attenella margarita	26
Drunella coloradensis	768
Drunella doddsi	64
Heptageniidae	
Cinygmula sp.	13
Epeorus longimanus	38
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	90
Leuctridae	
Paraleuctra utahensis	13
Nemouridae	
Amphinemura sp.	26
Perlidae	
Claassenia saboulosa	13
Perlodidae	
Skwala americana	26
TRICHOPTERA	
Glossosomatidae	
Glossosoma sp.	38
Hydropsychidae	
Arctopsyche grandis	320
Lepidostomatidae	
Lepidostoma ormea/pluviale	192
Rhyacophilidae	
Rhyacophila brunnea/vao	77
Rhyacophila rotunda	51
COLEOPTERA	
Elmidae	
Cleptelmis ornata	102
Heterlimnius corpulentus	154
Narpus concolor	13
DIPTERA	
Chironomidae	
Eukiefferiella sp.	78
Micropsectra sp.	157
Pagastia sp.	3,358
Rheocricotopus sp.	78
Tvetenia sp.	157
Psychodidae	
Pericoma sp.	13
Simuliidae	
Simulium sp.	691
Tipulidae	
Antocha sp.	13
Hexatoma sp.	13
Total Abundance:	15,209

MACROINVERTEBRATE ANALYSIS--Continued

09069000 EAGLE RIVER AT GYPSUM, CO (LAT 39 39 00N LONG 106 57 06W)
Date 8/14/00 Time 1050

Organisms	Abundance per square meter
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	16
Sperchonidae	
Sperchon/Sperchonopsis sp.	22
Torrenticolidae	
Testudacarus sp.	3
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	6
Baetis flavistriga	3
Baetis tricaudatus	205
Ephemerellidae	
Attenella margarita	6
Drunella grandis	10
Ephemerella sp.	10
Heptageniidae	19
Rhithrogena sp.	13
Leptophlebiidae	
Paraleptophlebia sp.	3
Leptohyphidae	
Tricorythodes minutus	243
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	19
Perlidae	
Claassenia saboulosa	6
Hesperoperla pacifica	19
Perlodidae	
Cultus sp.	13
Isogenoides sp.	13
Skwala americana	3
Pteronarcyidae	
Pteronarcella badia	3
TRICHOPTERA	
Brachycentridae	
Brachycentrus occidentalis	2,058
Glossosomatidae	
Glossosoma sp.	1,283
Hydropsychidae	
Arctopsyche grandis	3
Hydropsyche sp.	493
Lepidostomatidae	
Lepidostoma sp.	70
Leptoceridae	
Ceraclea sp.	3
Rhyacophilidae	
Culoptila sp.	250
COLEOPTERA	
Elmidae	
Optioservus sp.	362
Zaitzevia parvula	317
DIPTERA	
Athericidae	
Atherix pachypus	32
Chironomidae	
Cladotanytarsus sp.	142
Conchapelopia/Thienemannimy	23
Eukiefferiella sp.	48
Micropsectra sp.	23
Microtendipes sp.	332
Orthocladius/Cricotopus gr.	71
Polypedilum sp.	547
Empididae	
Neoplasta sp.	6
Tipulidae	
Antocha sp.	3
Hexatoma sp.	51
MOLLUSCA	
GASTROPODA	
BASOMMATOPHORA	
Physidae	
Physa/Physella sp.	6
Total Abundance:	6,758

MACROINVERTEBRATE ANALYSIS--Continued

393030106224700 EAGLE RIVER BLW HOMESTAKE CREEK NR RED CLIFF, CO (LAT 39 30 30N LONG 106 22 47W)
Date 8/17/00 Time 0845

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	6
NEMATODA	6
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	318
HAPLOTAXIDA	
Lumbricidae	
Eiseniella tetraedra	6
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Hygrobatidae	
Atractides sp.	6
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	19
Baetis tricaudatus	544
Ephemerellidae	
Drunella coloradensis	19
Drunella doddsi	70
Drunella grandis	19
Ephemerella inermis	26
Heptageniidae	
Cinygmula sp.	13
Epeorus deceptivus	77
Epeorus longimanus	19
Rhithrogena robusta	6
Leptophlebiidae	
Paraleptophlebia sp.	13
PLECOPTERA	
Capniidae	6
Chloroperlidae	
Sweltsa sp.	83
Nemouridae	
Zapada oregonensis gr.	13
Perlidae	
Hesperoperla pacifica	6
Perlodidae	
Megarcys signata	19
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	6
Micrasema bactro	13
Glossosomatidae	
Glossosoma sp.	288
Hydropsychidae	
Arctopsyche grandis	109
Limnephilidae	
Oligophlebodes sp.	6
Rhyacophilidae	
Rhyacophila brunnea/vao	32
Rhyacophila sibirica gr.	64
Rhyacophila sp.	6
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	83
Zaitzevia parvula	6
DIPTERA	
Chironomidae	
Cardiocladius sp.	25
Eukiefferiella sp.	50
Micropsectra sp.	99
Orthocladius/Cricotopus gr.	298
Pagastia sp.	670
Rheocricotopus sp.	74
Tvetenia sp.	25
Empididae	
Oreogeton sp.	6
Psychodidae	
Pericoma sp.	6
Simuliidae	
Simulium sp.	1,754
Tipulidae	
Hexatoma sp.	13
Total Abundance:	4,927

MACROINVERTEBRATE ANALYSIS--Continued

393221106450700 EAST BRUSH CREEK ABOVE CONFLUENCE (LAT 39 38 52N LONG 106 50 32W)
Date 8/14/00 Time 1640

Organisms	Abundance per square meter
NEMATODA	3
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	3
ARTHROPODA	
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	6
Baetis tricaudatus	986
Ephemerellidae	
Attenella margarita	6
Drunella coloradensis	51
Drunella doddsi	144
Heptageniidae	
Cinygmula sp.	61
Epeorus deceptivus	19
Epeorus longimanus	32
Rhithrogena robusta	144
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	29
Nemouridae	
Zapada cinctipes	3
Perlodidae	
Megarcys signata	13
Skwala americana	26
Pteronarcyidae	
Pteronarcella badia	19
TRICHOPTERA	
Glossosomatidae	
Glossosoma sp.	99
Hydropsychidae	
Arctopsyche grandis	83
Limnephilidae	
Oligophlebodes sp.	739
Philopotamidae	
Dolophilodes aequalis	22
Rhyacophilidae	
Rhyacophila angelita/tucula	6
Rhyacophila brunnea/vao	70
Rhyacophila coloradensis	13
COLEOPTERA	
Elmidae	
Cleptelmis sp.	10
Heterlimnius corpulentus	51
Narpus concolor	10
DIPTERA	
Chironomidae	
Eukiefferiella sp.	14
Micropsectra sp.	44
Orthocladius/Cricotopus gr.	7
Pagastia sp.	274
Parametriocnemus sp.	14
Rheocricotopus sp.	7
Tanytarsus sp.	7
Simuliidae	
Simulium sp.	5,898
Tipulidae	
Hexatoma sp.	3
Total Abundance:	8,916

MACROINVERTEBRATE ANALYSIS--Continued

393501106313200 BEAVER CREEK ABOVE AVON, CO (LAT 39 35 01N LONG 106 31 32W)
Date 8/16/00 Time 1030

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	13
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	19
ARTHROPODA	
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis tricaudatus	198
Ephemerellidae	
Drunella doddsi	38
Serratella tibialis	58
Heptageniidae	
Cinygmula sp.	35
Epeorus deceptivus	90
Epeorus longimanus	3
Leptophlebiidae	
Paraleptophlebia sp.	3
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	3
Nemouridae	
Zapada oregonensis gr.	48
Perlodidae	
Megarcys signata	3
TRICHOPTERA	
Hydropsychidae	
Arctopsyche grandis	10
Lepidostomatidae	
Lepidostoma ormea/pluviale	1,187
Rhyacophilidae	
Rhyacophila angelita/tucula	3
Rhyacophila brunnea/vao	19
Rhyacophila rotunda	19
COLEOPTERA	
Elmidae	
Cleptelmis ornata	86
DIPTERA	
Ceratopogonidae	3
Chironomidae	
Orthocladius/Cricotopus gr.	1,114
Pagastia sp.	124
Empididae	
Hemerodromia sp.	10
Psychodidae	
Pericoma sp.	10
Total Abundance:	3,096

MACROINVERTEBRATE ANALYSIS--Continued

393523106364700 WEST LAKE CREEK NEAR EDWARDS, CO (LAT 39 35 23N LONG 106 36 47W)
Date 8/15/00 Time 1315

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	70
NEMATODA	6
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	224
ARTHROPODA	
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis bicaudatus	141
Baetis tricaudatus	691
Ephemerellidae	
Drunella doddsi	371
Serratella tibialis	51
Heptageniidae	
Cinygmula sp.	205
Epeorus deceptivus	166
Epeorus longimanus	58
Rhithrogena robusta	122
PLECOPTERA	
Capniidae	13
Chloroperlidae	
Sweltsa sp.	26
Nemouridae	
Zapada oregonensis gr.	51
Perlodidae	
Cultus sp.	13
Isoperla sp.	13
Taeniopterygidae	
Taenionema sp.	45
TRICHOPTERA	
Brachycentridae	
Micrasema bactro	26
Glossosomatidae	
Glossosoma sp.	6
Hydropsychidae	
Arctopsyche grandis	6
Limnephilidae	13
Neothremma sp.	1,197
Oligophlebodes sp.	6
Rhyacophilidae	
Rhyacophila brunnea/vao	51
Rhyacophila sibirica gr.	77
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	512
DIPTERA	
Blephariceridae	6
Chironomidae	
Boreoheptagyia sp.	23
Brillia sp.	11
Eukiefferiella sp.	58
Micropsectra sp.	47
Orthocladius/Cricotopus gr.	82
Stempellinella sp.	210
Tvetenia sp.	151
Empididae	
Neoplasta sp.	6
Oreogeton sp.	13
Psychodidae	
Pericoma sp.	51
Simuliidae	
Simulium sp.	58
Total Abundance:	4,876

MACROINVERTEBRATE ANALYSIS--Continued

393627106264000 EAGLE RIVER ABOVE GORE CREEK NR. MINTURN, CO (LAT 39 36 27N LONG 106 26 40W)
Date 8/16/00 Time 1135

Organisms	Abundance per square meter
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Sperchonidae	
Sperchon/Sperchonopsis sp.	3
INSECTA	
EPHEMEROPTERA	
Ameletidae	
Ameletus sp.	10
Baetidae	
Baetis flavistriga	67
Baetis tricaudatus	125
Ephemerellidae	
Drunella doddsi	538
Drunella grandis	3
Serratella tibialis	3
Heptageniidae	
Cinygmula sp.	10
Epeorus deceptivus	10
Rhithrogena robusta	48
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	26
Nemouridae	
Zapada cinctipes	13
Perlidae	
Claassenia sabulosa	3
Perlodidae	
Cultus sp.	6
Isogenoides sp.	16
Isoperla sp.	32
Pteronarcyidae	
Pteronarcella badia	45
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	96
Brachycentrus occidentalis	275
Hydropsychidae	
Arctopsyche grandis	202
Lepidostomatidae	
Lepidostoma sp.	13
Rhyacophilidae	
Rhyacophila brunnea/vao	3
Rhyacophila coloradensis	3
Rhyacophila sibirica gr.	6
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	19
Narpus concolor	6
Optioservus quadrimaculatus	3
DIPTERA	
Athericidae	
Atherix pachypus	22
Chironomidae	
Conchapelopia/Thienemannimy	6
Eukiefferiella sp.	6
Micropsectra sp.	10
Orthocladius/Cricotopus gr.	64
Pagastia sp.	118
Parorthocladius sp.	6
Rheocricotopus sp.	10
Stempellinella sp.	22
Tvetenia sp.	22
Empididae	
Neoplasta sp.	3
Tipulidae	
Antocha sp.	3
Total Abundance:	1,876

MACROINVERTEBRATE ANALYSIS--Continued

393715106253600 GORE CREEK AT STEPHENS PARK AT VAIL (LAT 39 37 15N LONG 106 25 36W)
Date 8/18/00 Time 1120

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	192
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	128
Naididae	
Nais bretscheri	38
Nais communis	256
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Sperchonidae	
Sperchon/Sperchonopsis sp.	192
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	26
Baetis sp.	435
Baetis tricaudatus	51
Ephemerellidae	
Drunella coloradensis	102
Drunella doddsi	128
Heptageniidae	
Epeorus deceptivus	38
Epeorus longimanus	13
PLECOPTERA	
Perlodidae	
Skwala americana	38
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	64
Hydropsychidae	
Arctopsyche grandis	13
Lepidostomatidae	
Lepidostoma ormea/pluviale	3,046
Rhyacophilidae	
Rhyacophila coloradensis	26
COLEOPTERA	
Dytiscidae	
Oreodytes sp.	13
Elmidae	13
Heterlimnius corpulentus	13
DIPTERA	
Chironomidae	
Cricotopus trifascia	33
Eukiefferiella sp.	33
Hydrobaenus sp.	33
Micropsectra sp.	65
Micropsectra sp.	65
Orthocladius/Cricotopus gr.	260
Pagastia sp.	942
Polypedilum fallax	228
Rheocricotopus sp.	33
Empididae	
Neoplasta sp.	13
Psychodidae	
Pericoma sp.	13
Simuliidae	
Prosimulium sp.	38
Total Abundance:	6,516

MACROINVERTEBRATE ANALYSIS--Continued

393824106221700 MILL CREEK NEAR VAIL, CO (LAT 39 38 24N LONG 106 22 17W)
Date 8/17/00 Time 1645

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	22
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	4
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Sperchonidae	
Sperchon/Sperchonopsis sp.	16
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis tricaudatus	3
Ephemerellidae	
Drunella coloradensis	13
Drunella doddsi	1
Heptageniidae	
Cinygmula sp.	1
Epeorus deceptivus	1
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	1
Nemouridae	
Zapada oregonensis gr.	2
COLEOPTERA	
Elmidae	
Cleptelmis sp.	1
Heterlimnius corpulentus	1
DIPTERA	
Ceratopogonidae	2
Chironomidae	
Eukiefferiella sp.	14
Hydrobaenus sp.	23
Micropsectra sp.	5
Orthocladius euorthocladius	23
Orthocladius/Cricotopus gr.	77
Pagastia sp.	67
Pseudodiamesa sp.	9
Rheocricotopus sp.	5
Tvetenia sp.	5
Muscidae	
Limnophora/Lispoides sp.	31
Psychodidae	
Pericoma sp.	2
Simuliidae	
Prosimulium sp.	2
Tipulidae	
Tipula sp.	5
Total Abundance:	336

MACROINVERTEBRATE ANALYSIS--Continued

393825106213400 GORE CREEK DOWNSTREAM OF PULIS BRIDGE AT VAIL (LAT 39 38 25N LONG 106 21 34W)
Date 8/18/00 Time 1550

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	109
NEMATODA	6
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	160
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	13
Sperchonidae	
Sperchon/Sperchonopsis sp.	26
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella turbida	64
Baetis flavistriga	19
Baetis sp.	352
Ephemerellidae	
Drunella doddsi	19
Drunella grandis	70
Heptageniidae	
Cinygmula sp.	13
Epeorus deceptivus	6
Epeorus longimanus	96
PLECOPTERA	
Chloroperlidae	
Suwallia sp.	51
Sweltsa sp.	230
Nemouridae	
Zapada oregonensis gr.	19
Perlodidae	
Skwala americana	58
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	282
Hydropsychidae	
Arctopsyche grandis	122
Lepidostomatidae	
Lepidostoma sp.	45
Rhyacophilidae	
Rhyacophila brunnea/vao	6
Rhyacophila	6
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	83
DIPTERA	
Chironomidae	
Eukiefferiella sp.	34
Micropsectra sp.	34
Orthocladius euorthocladius	34
Orthocladius/Cricotopus gr.	26
Pagastia sp.	202
Parametriocnemus sp.	9
Polypedilum fallax	18
Rheocricotopus sp.	43
Stempellinella sp.	9
Tvetenia sp.	26
Simuliidae	
Simulium sp.	128
Total Abundance:	2,418

MACROINVERTEBRATE ANALYSIS--Continued

393826106235300 GORE CREEK BLW WASTEWATER TREATMENT PLANT (LAT 39 38 26N LONG 106 23 53W)
Date 8/18/00 Time 1215

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	38
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	499
Naididae	
Nais bretscheri	51
Nais communis	205
HAPLOTAXIDA	
Lumbricidae	
Eiseniella tetraedra	13
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	38
Sperchonidae	
Sperchon/Sperchonopsis sp.	38
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis sp.	627
Baetis tricaudatus	51
Ephemerellidae	
Drunella coloradensis	179
Drunella doddsi	26
Serratella tibialis	64
Heptageniidae	
Epeorus deceptivus	26
Epeorus longimanus	26
PLECOPTERA	
Chloroperlidae	
Suwallia sp.	26
Sweltsa sp.	13
Perlodidae	
Skwala americana	13
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	38
Hydropsychidae	
Arctopsyche grandis	13
Rhyacophilidae	
Rhyacophila rotunda	26
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	26
DIPTERA	
Ceratopogonidae	13
Chironomidae	
Orthocladius/Cricotopus gr.	4,446
Pagastia sp.	5,099
Rheocricotopus sp.	131
Muscidae	
Limnophora/Lispoides sp.	38
Psychodidae	
Pericoma sp.	64
Simuliidae	
Simulium sp.	77
Total Abundance:	11,904

MACROINVERTEBRATE ANALYSIS--Continued

393836106182500 GORE CREEK ABOVE KATSOS RANCH AT VAIL (LAT 39 38 36N LONG 106 18 25W)
Date 8/18/00 Time 1025

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	205
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	770
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Hygrobatidae	
Atractides sp.	19
Lebertiidae	
Lebertia sp.	26
Sperchonidae	
Sperchon/Sperchonopsis sp.	19
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	13
Baetis bicaudatus	147
Baetis flavistriga	403
Baetis sp.	64
Baetis tricaudatus	608
Ephemerellidae	
Drunella coloradensis	19
Drunella doddsi	109
Drunella grandis	6
Serratella tibialis	77
Heptageniidae	
Cinygmula sp.	6
Epeorus deceptivus	160
Rhithrogena robusta	13
PLECOPTERA	
Capniidae	13
Chloroperlidae	
Sweltsa sp.	173
Nemouridae	
Zapada oregonensis gr.	58
Perlodidae	
Cultus sp.	19
Megarcys signata	26
TRICHOPTERA	
Brachycentridae	
Brachycentrus occidentalis	6
Hydropsychidae	
Arctopsyche grandis	141
Rhyacophilidae	
Rhyacophila brunnea/vao	6
Rhyacophila coloradensis	38
Rhyacophilidae	
Rhyacophila sibirica gr.	109
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	90
DIPTERA	
Chironomidae	
Conchapelopia/Thienemannimy	10
Diamesa sp.	55
Eukiefferiella sp.	10
Heterotrissocladius sp.	10
Hydrobaenus sp.	10
Micropsectra sp.	10
Orthocladius/Cricotopus gr.	10
Pagastia sp.	400
Rheocricotopus sp.	22
Tvetenia sp.	10
Psychodidae	
Pericoma sp.	38
Tipulidae	
Hexatoma sp.	6
Total Abundance:	3,934

MACROINVERTEBRATE ANALYSIS--Continued

393845106353000 EAGLE RIVER AT EDWARDS, CO (LAT 39 38 45N LONG 106 35 30W)
Date 8/15/00 Time 1600

Organisms ARTHROPODA	Abundance per square meter
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis tricaudatus	294
Ephemerellidae	
Drunella doddsi	1,213
Drunella grandis	16
Heptageniidae	
Rhithrogena robusta	10
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	13
Perlodidae	
Isogenoides sp.	13
Skwala americana	6
Pteronarcyidae	
Pteronarcella badia	6
TRICHOPTERA	
Brachycentridae	
Brachycentrus occidentalis	691
Glossosomatidae	
Glossosoma sp.	134
Hydropsychidae	
Arctopsyche grandis	163
Hydropsyche sp.	259
Lepidostomatidae	
Lepidostoma sp.	48
Rhyacophilidae	
Rhyacophila brunnea/vao	3
Rhyacophila coloradensis	6
COLEOPTERA	
Elmidae	
Narpus concolor	3
Optioservus sp.	26
DIPTERA	
Athericidae	
Atherix pachypus	13
Blephariceridae	
Bibiocephala grandis	13
Chironomidae	
Cardiocladius sp.	69
Conchapelopia/Thienemannimy	35
Orthocladius euorthocladius	104
Orthocladius/Cricotopus gr.	310
Pagastia sp.	586
Polypedilum fallax	688
Simuliidae	
Simulium sp.	35
Tipulidae	
Antocha sp.	3
Total Abundance:	4,760

MACROINVERTEBRATE ANALYSIS--Continued

393851106503400 BRUSH CREEK AT MOUTH NEAR EAGLE, CO (LAT 39 38 51N LONG 106 50 34W)
Date 8/14/00 Time 1430

Organisms	Abundance per square meter
NEMATODA	3
ANNELIDA	
HIRUDINEA	
PHARYNGOBDELLIDA	
Erpobdellidae	
Dina dubia	3
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	3
Naididae	
Nais bretscheri	16
Nais variabilis	6
Tubificidae	
Limnodrilus sp.	3
Tubificidae with Capilliform chaetae	51
Tubificidae without capilliform chaetae	29
HAPLOTAXIDA	
Lumbricidae	
Eiseniella tetraedra	3
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	3
Sperchonidae	
Sperchon/Sperchonopsis sp.	6
MALACOSTRACA	
AMPHIPODA	
Gammaridae	
Gammarus lacustris	3
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis sp.	6
Baetis tricaudatus	1,146
Ephemerellidae	
Drunella grandis	32
Leptophlebiidae	
Paraleptophlebia sp.	3
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	6
Perlodidae	
Isoperla sp.	3
Skwala americana	6
Pteronarcyidae	
Pteronarcella badia	29
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	10
Brachycentrus occidentalis	234
Glossosomatidae	
Agapetus boulderensis	13
Glossosoma sp.	3
Hydropsychidae	
Arctopsyche grandis	218
Hydropsyche sp.	1,546
Hydroptilidae	
Ochrotrichia sp.	3
Lepidostomatidae	
Lepidostoma sp.	10
COLEOPTERA	
Dytiscidae	
Oreodytes congruus	3
Elmidae	
Cleptelmis ornata	16
Optioservus quadrimaculatus	2,048
Zaitzevia parvula	19
DIPTERA	
Athericidae	
Atherix pachypus	45
Chironomidae	102
Cardiocladius sp.	134
Cladotanytarsus sp.	34
Conchapelopia/Thienemannimy	34
Eukiefferiella sp.	1,379
Micropsectra sp.	34
Orthocladius/Cricotopus gr.	404
Pagastia sp.	539
Parametriocnemus sp.	506
Polypedilum fallax	606
Polypedilum sp.	102
Rheotanytarsus sp.	134
Empididae	
Neoplasta sp.	6
Wiedemannia sp.	6
Simuliidae	
Simulium sp.	461
Tipulidae	
Antocha sp.	154
MOLLUSCA	

MACROINVERTEBRATE ANALYSIS--Continued

393851106503400 BRUSH CREEK AT MOUTH NEAR EAGLE, CO (LAT 39 38 51N LONG 106 50 34W)--Continued

Organisms--Continued	Abundance per square meter--Continued
MOLLUSCA--Continued	
GASTROPODA--Continued	
BASOMMATOPHORA--Continued	
Physidae	
Physa/Physella sp.	38
Total Abundance:	10,201

MACROINVERTEBRATE ANALYSIS--Continued

393852106503200 EAGLE RIVER ABOVE BRUSH CREEK AT EAGLE, CO (LAT 39 38 52N LONG 106 50 32W)
Date 8/14/00 Time 1400

Organisms	Abundance per square meter
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Tubificidae without capilliform chaetae	3
ARTHROPODA	
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis tricaudatus	563
Ephemerellidae	
Attenella margarita	3
Drunella grandis	32
Heptageniidae	
Heptagenia sp.	6
Leptohyphidae	
Tricorythodes minutus	26
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	67
Perlidae	
Hesperoperla pacifica	19
Pteronarcyidae	
Pteronarcella badia	3
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	6
Brachycentrus occidentalis	2,250
Glossosomatidae	
Glossosoma sp.	685
Hydropsychidae	
Arctopsyche grandis	38
Hydropsyche sp.	742
Lepidostomatidae	
Lepidostoma ormea/pluviale	16
Leptoceridae	
Ceraclea annulicornis	6
COLEOPTERA	
Elmidae	
Optioservus quadrimaculatus	602
Zaitzevia parvula	214
DIPTERA	
Athericidae	
Atherix pachypus	64
Blephariceridae	
Bibiocephala grandis	19
Chironomidae	
Cladotanytarsus sp.	37
Conchapelopia/Thienemannimy	37
Eukiefferiella sp.	91
Microtendipes sp.	165
Orthocladius/Cricotopus gr.	54
Pagastia sp.	128
Chironomidae	
Polypedilum fallax	368
Polypedilum sp.	18
Tanytarsus sp.	18
Simuliidae	
Simulium sp.	38
Tanyderidae	
Protanyderus margarita	10
Tipulidae	
Antocha sp.	6
Hexatoma sp.	35
Total Abundance:	6,369

MACROINVERTEBRATE ANALYSIS--Continued

393858106570900 GYPSUM CREEK AT MOUTH (LAT 39 38 58N LONG 106 57 09W)
Date 8/14/00 Time 1130

Organisms	Abundance per square meter
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Naididae	
Nais bretscheri	224
Tubificidae	
Limnodrilus sp.	3
HAPLOTAXIDA	
Lumbricidae	
Eiseniella tetraedra	6
ARTHROPODA	
MALACOSTRACA	
AMPHIPODA	
Gammaridae	
Gammarus lacustris	61
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis tricaudatus	614
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	6
Brachycentrus occidentalis	1,062
Hydropsychidae	
Arctopsyche grandis	29
Hydropsyche sp.	42
COLEOPTERA	
Elmidae	
Cleptelmis ornata	285
Heterlimnius corpulentus	278
DIPTERA	
Athericidae	
Atherix pachypus	19
Chironomidae	
Cardiocladius sp.	521
Eukiefferiella sp.	1,302
Micropsectra sp.	33
Orthocladius/Cricotopus gr.	1,042
Pagastia sp.	66
Parametriocnemus sp.	98
Polypedilum fallax	33
Tvetenia sp.	260
Empididae	
Neoplasta sp.	19
Simuliidae	
Simulium sp.	666
Tipulidae	
Antocha sp.	10
Dicranota sp.	10
Total Abundance:	6,689

MACROINVERTEBRATE ANALYSIS--Continued

393930106382001 SQUAW CREEK (LAT 39 39 30N LONG 106 38 20W)
Date 8/15/00 Time 1100

Organisms	Abundance per square meter
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Naididae	
Nais variabilis	7
Tubificidae	
Ilyodrilus templetoni	7
Tubificidae with capilliform chaetae	110
HAPLOTAXIDA	
Lumbricidae	
Eiseniella tetraedra	26
ARTHROPODA	
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis bicaudatus	1,334
Baetis tricaudatus	326
Ephemerellidae	
Drunella sp.	3
Leptophlebiidae	
Paraleptophlebia sp.	22
PLECOPTERA	
Nemouridae	
Amphinemura sp.	10
Perlidae	
Hesperoperla pacifica	10
Perlodidae	
Isoperla sp.	3
Skwala americana	3
Pteronarcyidae	
Pteronarcella badia	195
TRICHOPTERA	
Brachycentridae	
Brachycentrus occidentalis	3
Hydropsychidae	
Arctopsyche grandis	3
Hydropsyche sp.	422
Hydroptilidae	
Hydroptila sp.	6
Ochrotrichia sp.	3
Rhyacophilidae	
Rhyacophila brunnea/vao	3
COLEOPTERA	
Dytiscidae	
Oreodytes congruus	13
Elmidae	
Cleptelmis ornata	131
Heterlimnius corpulentus	61
Optioservus quadrimaculatus	1,450
Zaitzevia parvula	99
DIPTERA	
Ceratopogonidae	3
Chironomidae	
Cricotopus trifascia	245
Eukiefferiella sp.	107
Micropsectra sp.	10
Pagastia sp.	38
Pentaneura sp.	19
Polypedilum sp.	10
Tanytarsus sp.	10
Tvetenia sp.	38
Psychodidae	
Pericoma sp.	3
Simuliidae	
Simulium sp.	64
Tipulidae	
Antocha sp.	3
Dicranota sp.	3
Hexatoma sp.	3
Total Abundance:	4,806

MACROINVERTEBRATE ANALYSIS--Continued

394129106393300 EAGLE RIVER AT EAGLE SPGS. GOLF COURSE NR WOLCOTT (LAT 39 41 29N LONG 106 39 33W)
Date 8/15/00 Time 0950

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	3
NEMATODA	16
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Naididae	
Nais bretscheri	3
Tubificidae	
Limnodrilus sp.	3
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Hygrobatidae	
Atractides sp.	3
Sperchonidae	
Sperchon/Sperchonopsis sp.	29
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	6
Baetis tricaudatus	1,392
Ephemerellidae	
Drunella doddsi	189
Drunella grandis	144
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	26
Perlidae	
Claassenia sabulosa	3
Perlodidae	
Skwala americana	6
Pteronarcyidae	
Pteronarcella badia	6
Pteronarcys californica	3
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	67
Brachycentrus occidentalis	1,133
Glossosomatidae	
Glossosoma sp.	931
Hydropsychidae	
Arctopsyche grandis	54
Hydropsyche sp.	1,626
Lepidostomatidae	
Lepidostoma ormea/pluviale	355
COLEOPTERA	
Elmidae	
Cleptelmis sp.	262
Narpus concolor	6
Zaitzevia parvula	6
DIPTERA	
Athericidae	
Atherix pachypus	83
Blephariceridae	
Bibiocephala grandis	16
Chironomidae	
Cardiocladius sp.	62
Eukiefferiella sp.	62
Micropsectra sp.	62
Microtendipes sp.	554
Pagastia sp.	617
Polypedilum fallax	185
Psychodidae	
Pericoma sp.	3
Simuliidae	
Simulium sp.	275
Tanyderidae	
Protanyderus margarita	10
Tipulidae	
Antocha sp.	6
Hexatoma sp.	10
MOLLUSCA	
GASTROPODA	
BASOMMATOPHORA	
Physidae	
Physa/Physella sp.	6
Total Abundance:	8,223

MACROINVERTEBRATE ANALYSIS--Continued

394220106431500 EAGLE R BLW MILK CR NR WOLCOTT (LAT 39 42 20N LONG 106 43 15W)
Date 8/15/00 Time 0815

Organisms	Abundance per square meter
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Sperchonidae	
Sperchon/Sperchonopsis sp.	22
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis sp.	3
Baetis tricaudatus	1,293
Ephemerellidae	
Drunella doddsi	3
Drunella grandis	10
Heptageniidae	
Rhithrogena robusta	10
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	38
Perlidae	
Claassenia saboulosa	13
Perlodidae	
Cultus sp.	3
Isogenoides sp.	13
Skwala americana	6
Pteronarcyidae	
Pteronarcella badia	6
TRICHOPTERA	
Brachycentridae	
Brachycentrus occidentalis	419
Glossosomatidae	
Glossosoma sp.	326
Hydropsychidae	
Arctopsyche grandis	122
Hydropsyche sp.	1,302
Lepidostomatidae	
Lepidostoma sp.	176
Rhyacophilidae	
Rhyacophila coloradensis	3
COLEOPTERA	
Elmidae	
Optioservus sp.	154
Zaitzevia parvula	6
DIPTERA	
Athericidae	
Atherix pachypus	35
Blephariceridae	
Agathon sp.	8
Chironomidae	
Cladotanytarsus sp.	20
Cricotopus trifascia	4
Eukiefferiella sp.	45
Micropsectra sp.	33
Chironomidae	
Microtendipes sp.	29
Pagastia sp.	20
Polypedilum fallax	48
Simuliidae	
Simulium sp.	182
Tipulidae	
Antocha sp.	6
Hexatoma sp.	16
MOLLUSCA	
PELECYPODA	
VENEROIDA	
Pisidiidae	
Sphaerium sp.	3
Total Abundance:	4,377

MACROINVERTEBRATE ANALYSIS--Continued

09065500 GORE CREEK AT UPPER STATION, NEAR MINTURN, CO (LAT 39 37 33N LONG 106 16 39W)
Date 4/14/00 Time 1440

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	16
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	19
Naididae	
Nais sp.	10
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	6
Sperchonidae	
Sperchon/Sperchonopsis sp.	3
INSECTA	
COLLEMBOLA	3
EPHEMEROPTERA	
Ameletidae	
Ameletus sp.	3
Baetidae	
Baetis bicaudatus	1,462
Baetis tricaudatus	6
Ephemerellidae	
Drunella doddsi	42
Ephemerella sp.	51
Heptageniidae	42
Cinygmula sp.	157
Epeorus longimanus	160
Rhithrogena robusta	70
PLECOPTERA	
Capniidae	3
Chloroperlidae	
Sweltsa sp.	77
Leuctridae	
Perlomyia sp.	19
Nemouridae	
Prostoia besametsa	80
Zapada cinctipes	10
Zapada oregonensis gr.	35
Perlodidae	
Cultus sp.	10
Megarcys signata	10
Taeniopterygidae	
Doddsia occidentalis	109
Taenionema sp.	26
TRICHOPTERA	
Hydropsychidae	
Arctopsyche grandis	3
Lepidostomatidae	
Lepidostoma sp.	19
Limnephilidae	
Dicosmoecus sp.	3
Rhyacophilidae	
Rhyacophila brunnea/vao	29
Rhyacophila sibirica gr.	202
Rhyacophila sp.	13
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	19
DIPTERA	
Blephariceridae	
Bibiocephala grandis	13
Chironomidae	
Brillia sp.	26
Conchapelopia/Thienemannimy	26
Diamesa sp.	235
Eukiefferiella sp.	26
Micropsectra sp.	391
Orthocladius/Cricotopus gr.	391
Pagastia sp.	26
Parorthocladius sp.	104
Rheocricotopus sp.	53
Tvetenia sp.	26
Empididae	
Chelifera/Metachela sp.	3
Clinocera sp.	3
Oreogeton sp.	10
Psychodidae	
Pericoma sp.	26
Simuliidae	
Prosimulium sp.	51
Tipulidae	
Dicranota sp.	6
Total Abundance:	4,133

MACROINVERTEBRATE ANALYSIS--Continued

09066050 BLACK GORE CREEK NEAR VAIL, CO (LAT 39 37 24N LONG 106 16 47W)
Date 4/14/00 Time 1235

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	13
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Hygrobatidae	
Atractides sp.	3
Lebertiidae	
Lebertia sp.	19
Protziidae	
Protzia sp.	3
Sperchonidae	
Sperchon/Sperchonopsis sp.	13
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis bicaudatus	534
Baetis tricaudatus	3
Ephemerellidae	
Drunella doddsi	10
Ephemerella sp.	26
Heptageniidae	
Cinygmula sp.	26
Epeorus longimanus	6
Rhithrogena robusta	13
PLECOPTERA	
Capniidae	3
Chloroperlidae	
Sweltsa sp.	80
Leuctridae	
Perlomyia sp.	6
Nemouridae	
Amphinemura sp.	3
Prostoia besametsa	701
Zapada oregonensis gr.	64
Perlodidae	
Cultus sp.	22
Isoperla sp.	3
Megarcys signata	6
Taeniopterygidae	
Doddsia occidentalis	45
Taenionema sp.	29
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	10
Hydropsychidae	
Arctopsyche grandis	10
Limnephilidae	
Oligophlebodes sp.	10
Rhyacophilidae	
Rhyacophila coloradensis	29
Rhyacophila sibirica gr.	29
Rhyacophila sp.	10
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	6
DIPTERA	
Ceratopogonidae	6
Chironomidae	
Brillia sp.	15
Diamesa sp.	15
Orthocladius euorthocladius	323
Orthocladius/Cricotopus gr.	7
Pagastia sp.	23
Empididae	
Oreogeton sp.	3
Psychodidae	
Pericoma sp.	67
Simuliidae	
Prosimulium sp.	3
Tipulidae	
Dicranota sp.	6
Total Abundance:	2,203

MACROINVERTEBRATE ANALYSIS--Continued

09066310 GORE CREEK, LOWER STATION, AT VAIL, CO (LAT 39 38 28N LONG 106 23 37W)
Date 4/13/00 Time 1600

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	19
NEMATODA	3
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	109
Naididae	
Nais elinguis	231
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	70
Sperchonidae	
Sperchon/Sperchonopsis sp.	22
INSECTA	
COLLEMBOLA	6
EPHEMEROPTERA	
Baetidae	
Baetis tricaudatus	22
Ephemerellidae	
Drunella doddsi	3
Drunella grandis	35
Ephemerella sp.	6
Heptageniidae	
Cinygmula sp.	3
Epeorus sp.	10
PLECOPTERA	
Capniidae	6
Chloroperlidae	
Sweltsa sp.	13
Nemouridae	
Prostoia besametsa	6
Perlodidae	
Cultus sp.	3
Isoperla sp.	3
Megarcys signata	3
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	70
Brachycentrus occidentalis	6
Hydropsychidae	
Arctopsyche grandis	26
Lepidostomatidae	
Lepidostoma sp.	10
Rhyacophilidae	
Rhyacophila coloradensis	10
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	10
Narpus concolor	3
DIPTERA	
Chironomidae	
Diamesa sp.	166
Hydrobaenus sp.	83
Limnophyes sp.	28
Orthocladius euorthocladius	111
Orthocladius/Cricotopus gr.	360
Pagastia sp.	388
Rheocricotopus sp.	278
Psychodidae	
Pericoma sp.	3
Tipulidae	
Dicranota sp.	3
Tipula sp.	6
Total Abundance:	2,134

MACROINVERTEBRATE ANALYSIS--Continued

09066510 GORE CREEK AT MOUTH NEAR MINTURN, CO (LAT 39 36 34N LONG 106 26 50W)
Date 4/13/00 Time 1030

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	51
NEMATODA	3
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	112
Naididae	
Nais bretscheri	22
Nais elinguis	51
Nais sp.	10
Tubificidae	
Rhyacodrilus sp.	3
Tubificidae with capilliform chaetae	16
LUMBRICULIDA	
Lumbriculidae	3
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	38
Sperchonidae	
Sperchon/Sperchonopsis sp.	13
INSECTA	
EPHEMEROPTERA	
Ephemerellidae	
Drunella doddsi	3
Drunella grandis	35
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	10
Perlodidae	
Diura knowltoni	3
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	6
Brachycentrus occidentalis	237
Glossosomatidae	
Glossosoma sp.	13
Lepidostomatidae	
Lepidostoma sp.	218
Rhyacophilidae	
Rhyacophila coloradensis	6
DIPTERA	
Chironomidae	
Eukiefferiella sp.	26
Hydrobaenus sp.	77
Orthocladius euorthocladius	26
Orthocladius/Cricotopus gr.	1,054
Pagastia sp.	26
Rheocricotopus sp.	77
Psychodidae	
Pericoma sp.	6
Tipulidae	
Antocha sp.	3
Total Abundance:	2,148

MACROINVERTEBRATE ANALYSIS--Continued

393715106253600 GORE CREEK AT STEPHENS PARK AT VAIL (LAT 39 37 15N LONG 106 25 36W)
Date 4/13/00 Time 1230

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	61
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	16
Naididae	
Nais bretscheri	6
Nais elinguis	32
Nais sp.	3
Tubificidae with capilliform chaetae	3
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	26
Protziidae	
Protzia sp.	3
Sperchonidae	
Sperchon/Sperchonopsis sp.	3
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis tricaudatus	13
Ephemerellidae	
Drunella doddsi	3
Drunella grandis	19
Ephemerella sp.	3
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	22
Brachycentrus occidentalis	29
Lepidostomatidae	
Lepidostoma sp.	3
Lepidostoma sp.	16
Rhyacophilidae	
Rhyacophila coloradensis	35
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	3
DIPTERA	
Chironomidae	
Micropsectra sp.	30
Orthocladius euorthocladius	61
Orthocladius/Cricotopus gr.	1,064
Pagastia sp.	182
Rheocricotopus sp.	182
Psychodidae	
Pericoma sp.	3
Tipulidae	
Tipula sp.	3
Total Abundance:	1,824

MACROINVERTEBRATE ANALYSIS--Continued

393824106221700 MILL CREEK NEAR VAIL, CO (LAT 39 38 24N LONG 106 22 17W)
Date 4/13/00 Time 1730

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	77
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	179
Naididae	
Nais elinguis	35
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Sperchonidae	
Sperchon/Sperchonopsis sp.	6
INSECTA	
TRICHOPTERA	
Limnephilidae	
Dicosmoecus sp.	3
DIPTERA	
Chironomidae	
Orthocladius euorthocladius	344
Orthocladius/Cricotopus gr.	24
Pagastia sp.	31
Tipulidae	
Tipula sp.	3
Total Abundance:	702

MACROINVERTEBRATE ANALYSIS--Continued

393825106213400 GORE CREEK DOWNSTREAM OF PULIS BRIDGE AT VAIL (LAT 39 38 25N LONG 106 21 34W)
Date 4/14/00 Time 0900

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	112
NEMATODA	3
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	48
Naididae	
Nais bretscheri	26
Nais sp.	22
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	278
Protziidae	
Protzia sp.	3
Sperchonidae	
Sperchon/Sperchonopsis sp.	86
INSECTA	
COLLEMBOLA	6
EPHEMEROPTERA	
Baetidae	
Baetis bicaudatus	6
Baetis tricaudatus	154
Ephemerellidae	
Drunella doddsi	3
Drunella grandis	22
Ephemerella sp.	48
Heptageniidae	
Cinygmula sp.	22
Epeorus longimanus	202
Rhithrogena hageni	3
Rhithrogena robusta	3
PLECOPTERA	
Capniidae	6
Chloroperlidae	
Sweltsa sp.	96
Leuctridae	
Perlomyia sp.	3
Nemouridae	
Prostoia besametsa	128
Zapada oregonensis gr.	6
Perlodidae	
Megarcys signata	10
Taeniopterygidae	
Doddsia occidentalis	3
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	173
Hydropsychidae	
Arctopsyche grandis	115
Rhyacophilidae	
Rhyacophila sibirica gr.	22
Rhyacophila sp.	6
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	42
DIPTERA	
Ceratopogonidae	10
Chironomidae	
Micropsectra sp.	34
Orthocladius/Cricotopus gr.	1,906
Pagastia sp.	1,037
Psychodidae	
Pericoma sp.	22
Simuliidae	
Prosimulium sp.	3
Tipulidae	
Antocha sp.	10
Dicranota sp.	3
Hexatoma sp.	6
Total Abundance:	4,688

MACROINVERTEBRATE ANALYSIS--Continued

393826106235300 GORE CREEK BLW WASTEWATER TREATMENT PLANT (LAT 39 38 26N LONG 106 23 53W)
Date 4/13/00 Time 1430

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	106
NEMATODA	3
ANNELIDA	
OLIGOCHAETA	
LUMBRICULIDA	
Lumbriculidae	46
TUBIFICIDA	
Enchytraeidae	117
Naididae	
Nais bretscheri	69
Nais elinguis	759
Nais sp.	69
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	38
Protziidae	
Protzia sp.	3
Sperchonidae	
Sperchon/Sperchonopsis sp.	3
INSECTA	
EPHEMEROPTERA	
Ephemerellidae	
Drunella grandis	29
PLECOPTERA	
Nemouridae	
Zapada oregonensis gr.	3
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	19
Lepidostomatidae	
Lepidostoma sp.	3
Rhyacophilidae	
Rhyacophila coloradensis	3
DIPTERA	
Chironomidae	
Hydrobaenus sp.	32
Orthocladius euorthocladius	32
Orthocladius/Cricotopus gr.	968
Pagastia sp.	419
Rheocricotopus sp.	162
Muscidae	
Muscidae sp.	13
Psychodidae	
Pericoma sp.	10
Tipulidae	
Tipula sp.	3
Total Abundance:	2,909

MACROINVERTEBRATE ANALYSIS--Continued

393836106182500 GORE CREEK ABOVE KATSOS RANCH AT VAIL (LAT 39 38 36N LONG 106 18 25W)
Date 4/14/00 Time 1100

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	176
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	157
Naididae	
Nais sp.	10
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Hygrobatidae	
Atractides sp.	3
Lebertiidae	
Lebertia sp.	29
Sperchonidae	
Sperchon/Sperchonopsis sp.	45
INSECTA	
EPHEMEROPTERA	
Ameletidae	
Ameletus sp.	3
Baetidae	
Baetis bicaudatus	42
Baetis tricaudatus	64
Ephemerellidae	
Drunella doddsi	6
Drunella grandis	10
Ephemerella sp.	16
Heptageniidae	
Cinygmula sp.	16
Epeorus longimanus	19
PLECOPTERA	
Capniidae	13
Chloroperlidae	
Sweltsa sp.	74
Leuctridae	
Perlomyia sp.	19
Nemouridae	
Prostoia besametsa	240
Zapada oregonensis gr.	16
Perlodidae	
Cultus sp.	6
Megarcys signata	3
Taeniopterygidae	
Doddsia occidentalis	10
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	10
Hydropsychidae	
Arctopsyche grandis	32
Lepidostomatidae	
Lepidostoma sp.	3
Rhyacophilidae	
Rhyacophila brunnea/vao	10
Rhyacophila coloradensis	3
Rhyacophila sibirica gr.	19
Rhyacophila sp.	3
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	3
DIPTERA	
Ceratopogonidae	10
Chironomidae	15
Brillia sp.	31
Conchapelopia/Thienemannimy	15
Diamesa sp.	47
Hydrobaenus sp.	62
Micropsectra sp.	15
Orthocladius euorthocladius	203
Orthocladius/Cricotopus gr.	172
Pagastia sp.	110
Rheocricotopus sp.	110
Psychodidae	
Pericoma sp.	128
Simuliidae	
Prosimulium sp.	13
Total Abundance:	1,991

NORTH FORK ELK RIVER BLOWDOWN STUDY

In October of 1997 an unusual windstorm blew down thousands of acres of trees on the western side of the continental divide, and on the western edge of the Mt. Zirkel Wilderness Area, between Steamboat Springs, Colorado and the Wyoming border. This area is referred to as the "Routt Divide Blowdown" by the U.S. Forest Service, and this area lies within the watershed which is drained by the Elk River and its tributaries. This two year cooperative water-quality study between the USGS and the U.S. Forest Service may help determine the effects of the blowndown and salvage logging operations on water-quality in the Elk River watershed.

405057106451000 NORTH FORK ELK RIVER ABOVE AGNES CREEK, NEAR CLARK, CO.

WATER-QUALITY RECORDS

LOCATION.--Lat. 40°50'57", long 106°45'10", in SE 1/4 SW 1/4 sec.1, T.10 N, R.84 W., Routt County, Hydrologic Unit 14050001, on right bank 100 ft above confluence with Agnes Creek, 200 ft downstream of private cabins, 6.8 mi above the mouth, and 17.3 mi northeast of Clark.

PERIOD OF RECORD.--March 1999 to September 2000 (discontinued).

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV									
10...	1000	2.5	40	7.1	1.7	.5	8.9	20	6.18
APR									
06...	1200	3.2	43	7.5	.7	.3	10.9	18	5.62
MAY									
23...	1210	106	27	7.1	5.4	.4	8.9	10	3.20
JUN									
14...	1220	105	25	7.2	6.0	.3	8.8	10	3.04
AUG									
16...	1100	10	36	7.4	11.6	2.0	7.9	15	4.64

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
NOV									
10...	1.12	1.9	.2	.8	23	4.5	E.3	<.1	7.5
APR									
06...	.96	1.1	.1	1.0	21	2.0	<.3	<.1	6.2
MAY									
23...	.56	.6	.1	.6	11	1.5	E.2	<.1	4.3
JUN									
14...	.48	.6	.1	.7	11	1.4	<.3	<.1	4.0
AUG									
16...	.75	.9	.1	.9	16	1.5	<.3	<.1	4.7

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV								
10...	<.001	.079	<.002	E.10	<.10	<.008	<.006	<.001
APR								
06...	<.001	.181	<.002	E.10	E.10	<.008	E.004	.004
MAY								
23...	<.001	.084	<.002	.12	E.10	.008	<.006	.001
JUN								
14...	<.001	.070	<.002	E.10	E.10	<.008	<.006	<.001
AUG								
16...	.001	.049	<.002	E.10	E.10	<.008	<.006	<.001

NORTH FORK ELK RIVER BLOWDOWN STUDY--Continued

405057106451000 NORTH FORK ELK RIVER ABOVE AGNES CREEK, NEAR CLARK, CO.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
APR								
06...	E9	<28	<.1	<.1	2	E1	60	20
MAY								
23...	48	114	<.1	<.1	E1	<1	150	30
JUN								
14...	22	48	<.1	<.1	<1	E1	40	20

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
APR							
06...	<1	<1	<3	E2	<1	<20	<31
MAY							
23...	<1	<1	5	3	<1	<20	<31
JUN							
14...	<1	<1	E2	E2	<1	E11	<31

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
NOV					
10...	1000	2.5	1.7	M	.00
APR					
06...	1200	3.2	.7	1	.01
MAY					
23...	1210	106	5.4	10	3.0
JUN					
14...	1220	105	6.0	4	1.2
AUG					
16...	1100	10	11.6	4	.12

NORTH FORK ELK RIVER BLOWDOWN STUDY--Continued

404950106462700 NORTH FORK ELK RIVER ABOVE TRAIL CREEK NEAR CLARK, CO.

WATER-QUALITY RECORDS

LOCATION.--Lat. 40°49'50", long. 106°46'27", in NW$^1/_4$ SE$^1/_4$ sec.14, T.10 N, R.84 W., Routt County, Hydrologic Unit 14050001, on left bank approximately 100 ft above confluence with Trail Creek, 4.5 mi above the mouth, and 15.0 mi northeast of Clark.

PERIOD OF RECORD.--March 1999 to September 2000 (discontinued).

REMARKS.——The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV											
10...	1200	5.9	45	7.1	1.7	.5	9.2	16	4.97	.87	1.1
APR											
06...	1345	7.4	52	7.8	.5	.4	11.3	21	6.64	1.13	1.7
MAY											
23...	1500	266	28	7.1	6.6	1.8	8.9	11	3.38	.58	.8
JUN											
14...	1400	135	26	7.4	8.4	.4	8.5	10	3.13	.51	.7
AUG											
16...	1220	14	42	7.5	14.0	1.8	7.7	17	5.25	.85	1.2

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
NOV										
10...	.1	.9	18	2.3	E.2	<.1	6.5	<.01	21	--
APR										
06...	.2	.9	25	2.0	E.2	<.1	7.3	--	--	--
MAY										
23...	.1	.6	12	1.4	.3	<.1	4.6	--	--	19
JUN										
14...	.1	.7	11	1.4	E.1	<.1	4.2	--	--	--
AUG										
16...	.1	.9	19	1.6	<.3	<.1	5.3	--	--	--

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV										
10...	--	--	.001	.110	<.002	<.10	<.10	<.008	<.006	<.001
APR										
06...	--	--	<.001	.140	<.002	E.10	E.10	.010	.006	.005
MAY										
23...	.03	13.6	<.001	.062	.002	.30	.18	.034	E.004	<.001
JUN										
14...	--	--	<.001	.056	<.002	.13	E.10	E.004	<.006	<.001
AUG										
16...	--	--	.001	.029	.005	E.10	E.10	<.008	<.006	<.001

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
NOV										
10...	<15	--	<2.0	6	<16	--	--	--	--	--
APR										
06...	<15	29	--	--	--	<.1	<.1	4	2	210
MAY										
23...	43	309	--	--	--	<.1	<.1	E1	<1	450
JUN										
14...	24	51	--	--	--	<.1	<.1	<1	E1	70

NORTH FORK ELK RIVER BLOWDOWN STUDY--Continued

404950106462700 NORTH FORK ELK RIVER ABOVE TRAIL CREEK NEAR CLARK, CO.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV										
10...	20	--	--	<3.9	--	<2	--	20.1	--	--
APR										
06...	80	E1	<1	--	11	10	<1	--	<20	<31
MAY										
23...	30	<1	<1	--	24	4	<1	--	<20	<31
JUN										
14...	20	<1	<1	--	4	3	<1	--	<20	<31

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV					
10...	1200	5.9	1.7	M	.00
MAY					
23...	1500	266	6.6	79	57
JUN					
14...	1400	135	8.4	3	1.1
AUG					
16...	1220	14	14.0	2	.07

NORTH FORK ELK RIVER BLOWDOWN STUDY--Continued

404750106454200 LOST DOG CREEK ABOVE MOUTH NEAR CLARK, CO.

WATER-QUALITY RECORDS

LOCATION.--Lat. 40°47'50", long. 106°45'42", in $SW^1/_4$ $NW^1/_4$ sec.25, T.10 N, R.84 W., Routt County, Hydrologic Unit 14050001, on left bank 30 ft above FS Road---culvert, 0.5 mi above confluence with North Fork Elk River, 12.4 mi northeast of Clark.

PERIOD OF RECORD.--March 1999 to September 2000 (discontinued).

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV										
09...	1200	3.8	39	7.4	.1	.7	10.8	14	3.91	1.12
APR										
07...	0947	9.1	44	7.8	.5	.4	10.5	18	4.82	1.33
MAY										
24...	1309	41	21	7.0	3.5	.6	10.1	8	2.20	.59
JUN										
14...	1600	20	27	7.6	9.9	.3	7.9	10	2.89	.66
AUG										
15...	1010	4.1	41	7.7	10.5	1.8	8.1	17	4.50	1.29

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
NOV										
09...	2.0	.2	.4	19	1.2	E.3	<.1	13.0	--	--
APR										
07...	2.1	.2	.6	22	.8	.4	<.1	13.4	37	.05
MAY										
24...	1.0	.2	.5	9	1.0	.3	<.1	6.6	18	.02
JUN										
14...	1.3	.2	.4	12	.9	<.3	<.1	8.1	--	--
AUG										
15...	1.9	.2	.4	20	.7	E.1	<.1	11.1	--	--

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV									
09...	--	<.001	.045	<.002	.12	E.10	E.006	<.006	<.001
APR									
07...	.91	<.001	.079	<.002	.23	.18	E.006	E.004	.003
MAY									
24...	2.00	<.001	.120	.002	.17	.17	.010	E.005	.002
JUN									
14...	--	<.001	.018	.026	.15	.13	E.006	E.003	<.001
AUG									
15...	--	.001	.020	.003	E.10	.20	<.008	E.003	.001

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
APR								
07...	29	37	<.1	<.1	2	E1	160	120
MAY								
24...	68	126	<.1	<.1	E1	<1	140	80
JUN								
14...	34	66	<.1	<.1	4	5	90	50

NORTH FORK ELK RIVER BLOWDOWN STUDY--Continued

404750106454200 LOST DOG CREEK ABOVE MOUTH NEAR CLARK, CO.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
APR							
07...	<1	<1	E3	E2	<1	<20	<31
MAY							
24...	<1	<1	5	E2	<1	<20	<31
JUN							
14...	<1	<1	3	E2	<1	E13	<31

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
NOV					
09...	1200	3.8	.1	1	.01
APR					
07...	0947	9.1	.5	10	.23
MAY					
24...	1309	41	3.5	4	.42
JUN					
14...	1600	20	9.9	4	.21
AUG					
15...	1010	4.1	10.5	1	.01

NORTH FORK ELK RIVER BLOWDOWN STUDY--Continued

404727106453700 ENGLISH CREEK ABOVE MOUTH NEAR CLARK, CO.

WATER-QUALITY RECORDS

LOCATION.--Lat 40°47'27", long 106°45'37", in $NW^1/_4NW^1/_4$ sec.36, T.10 N, R.84 W., Routt County, Hydrologic Unit 14050001, on left bank 30 ft upstream from Forest Service Road 466 culvert, 0.5 mi upstream from the confluence with North Fork Elk River, and 11.5 mi northeast of Clark.

PERIOD OF RECORD.--March 1999 to September 2000 (discontinued).

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV										
09...	1120	2.8	35	7.4	.2	.6	10.4	15	4.17	1.09
APR										
07...	1100	1.5	39	7.5	.7	.7	10.6	16	4.66	1.14
MAY										
24...	1145	20	20	7.1	2.5	.5	10.2	8	2.16	.53
JUN										
15...	1215	14	23	7.4	8.3	.3	8.2	9	2.61	.55
AUG										
15...	1115	1.8	37	7.6	10.9	2.4	7.8	16	4.64	1.05

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
NOV										
09...	2.3	.3	.4	20	1.4	E.3	<.1	14.7	--	--
APR										
07...	2.2	.2	.6	21	1.0	.4	<.1	14.2	37	.05
MAY										
24...	1.0	.2	.5	9	1.1	.3	<.1	6.6	18	.02
JUN										
15...	1.4	.2	.4	11	1.1	<.3	<.1	8.4	--	--
AUG										
15...	2.2	.2	.4	21	.7	<.3	<.1	12.4	--	--

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV									
09...	--	<.001	.010	<.002	.38	E.10	E.007	<.006	<.001
APR									
07...	.15	<.001	.039	<.002	.19	.14	.008	.015	.008
MAY									
24...	.98	<.001	.093	<.002	.16	.13	.012	.007	.002
JUN									
15...	--	<.001	.008	<.002	.12	.13	E.006	E.004	<.001
AUG									
15...	--	<.001	<.005	<.002	E.10	.10	<.008	<.006	<.001

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
APR								
07...	34	66	<.1	<.1	4	3	200	130
MAY								
24...	65	148	<.1	<.1	E1	<1	210	80
JUN								
15...	47	61	<.1	<.1	1	2	100	70

NORTH FORK ELK RIVER BLOWDOWN STUDY--Continued

404727106453700 ENGLISH CREEK ABOVE MOUTH NEAR CLARK, CO.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
APR							
07...	<1	<1	3	E1	<1	<20	<31
MAY							
24...	<1	<1	9	3	<1	<20	<31
JUN							
15...	<1	<1	3	E1	<1	<20	<31

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV					
09...	1120	2.8	.2	1	.01
APR					
07...	1100	1.5	.7	3	.01
MAY					
24...	1145	20	2.5	9	.47
JUN					
15...	1215	14	8.3	1	.04
AUG					
15...	1115	1.8	10.9	1	.01

NORTH FORK ELK RIVER BLOWDOWN STUDY--Continued

404620106461900 NORTH FORK ELK RIVER ABOVE MOUTH NEAR CLARK,CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°46'20", long 106°46'19", in $SW^1/_4$ $NE^1/_4$ sec.2, T.9 N, R.84 W., Routt County, Hydrologic Unit 14050001, on left bank 30 ft above FS Road 433, 500 ft upstream of mouth, and 10.7 mi northeast of Clark.

PERIOD OF RECORD.--March 1999 to September 2000 (discontinued).

REMARKS.--The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV 09...	1320	25	64	7.8	.7	.6	9.8	28	8.59	1.67
APR 06...	1200	19	74	7.5	.6	.6	10.6	30	9.32	1.73
MAY 24...	1000	300	26	7.1	3.0	.2	10.1	11	3.40	.61
JUN 15...	1045	238	29	7.9	7.6	.3	9.4	12	3.85	.67
AUG 15...	1230	23	58	7.6	15.4	<.5	7.4	27	8.48	1.44

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
NOV 09...	2.1	.2	.7	30	1.4	E.3	<.1	8.9	--	--
APR 06...	2.2	.2	.8	33	3.9	.4	<.1	9.5	48	.07
MAY 24...	.8	.1	.6	12	1.5	E.2	<.1	4.8	--	--
JUN 15...	.9	.1	.6	14	1.6	<.3	<.1	5.2	--	--
AUG 15...	1.8	.1	.8	28	3.2	E.2	<.1	6.9	--	--

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV 09...	--	<.001	.050	<.002	.17	E.10	E.006	<.006	<.001
APR 06...	2.46	<.001	.101	<.002	.16	.16	E.007	.036	.023
MAY 24...	--	<.001	.060	.005	.31	.12	.015	E.004	.001
JUN 15...	--	<.001	.033	<.002	.12	.11	E.005	<.006	<.001
AUG 15...	--	.001	.017	.002	.14	E.10	.012	.007	.006

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
APR 06...	E12	38	<.1	<.1	1	<1	100	50
MAY 24...	61	185	<.1	<.1	E1	<1	220	60
JUN 15...	26	63	<.1	<.1	<1	<1	80	30

NORTH FORK ELK RIVER BLOWDOWN STUDY--Continued

404620106461900 NORTH FORK ELK RIVER ABOVE MOUTH NEAR CLARK,CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
APR							
06...	<1	<1	E2	2	<1	<20	<31
MAY							
24...	<1	<1	9	3	<1	<20	<31
JUN							
15...	<1	<1	4	E2	<1	<20	<31

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV					
09...	1320	25	.7	1	.06
APR					
06...	1200	19	.6	2	.10
MAY					
24...	1000	300	3.0	21	17
JUN					
15...	1045	238	7.6	3	1.9
AUG					
15...	1230	23	15.4	1	.03

LOWER GUNNISON RIVER BASIN SELENIUM STUDY

WATER-QUALITY RECORDS

Selenium concentrations are elevated in several segments of the lower Gunnison River Basin. Segments that do not meet the Colorado water-quality standard for selenium (5 ug/L) include the Gunnison River from the Colorado River to the Uncompahgre River, several tributaries to the North Fork Gunnison River, the Uncompahgre River from the Gunnison River to Highway 550, and Sweitzer Lake. The State Water Quality Control Commission placed temporary modifications for selenium for the affected water bodies to allow time for measures to be taken at the local level to address the selenium issue. A local initiative did occur in 1998 with formation of the Gunnison Basin Selenium Task Force, a group of private, local, state, and federal interests. The goal of the task force was to examine what might be done to reduce selenium levels in the lower Gunnison River Basin. Much of the existing selenium data for the area had been collected in the Umcompahgre River Basin or at gaging station 09152500, Gunnison River near Grand Junction, CO, and there were only limited selenium data available for the North Fork Gunnison Basin and for tributary streams of the Gunnsion River. More detailed selenium information was needed to better characterize selenium loading in the North Fork Basin and selenium loads from tributaries of the Gunnison River upstream from station 09152500. The USGS, in conjunction with selenium studies initiated for the Task Force or for the National Irrigation Water Quality Program, collected selenium data at numerous sites in the lower Gunnison River Basin in water years 1999 and 2000. At some sites, major-ion and dissolved-solids data also were collected. The data was collected to support the design of remediation efforts that address the selenium impairments.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count.

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
384414107501601 SMITH FORK AT MOUTH (LAT 38 44 14N LONG 107 50 16W)										
MAY 1999										
13...	0740	5.2	283	8.2	12.5	3.1	--	--	--	--
JUL										
01...	0735	1.9	3680	8.1	18.1	1.4	--	--	--	--
SEP										
01...	0730	2.0	3260	8.2	17.8	2.7	--	--	--	--
NOV										
12...	0850	5.4	3230	8.2	3.5	2.6	--	--	--	--
MAR 2000										
17...	0845	3.8	3270	8.2	4.7	4.0	--	--	--	--
09132500 NORTH FORK GUNNISON RIVER NEAR SOMERSET, CO. (LAT 38 55 33N LONG 107 26 01W)										
MAY 1999										
10...	1050	1290	151	8.3	5.9	<1.0	--	--	--	--
AUG										
30...	1055	247	142	--	13.6	<1.0	--	--	--	--
NOV										
08...	1110	94	181	8.4	9.3	<.7	79	24.4	4.28	6.5
MAR 2000										
13...	1130	73	166	8.2	3.5	<.7	66	20.5	3.68	7.5
385532107310501 HUBBARD CREEK AT MOUTH, NEAR BOWIE (LAT 38 55 32N LONG 107 31 05W)										
MAY 1999										
10...	1230	93	144	8.1	6.7	<1.0	--	--	--	--
AUG										
30...	1150	11	201	--	16.3	<1.0	--	--	--	--
NOV										
08...	1202	.84	389	8.4	11.8	E.4	--	--	--	--
MAR 2000										
13...	1215	1.8	450	8.3	7.2	<.7	--	--	--	--
385414107334001 TERROR CREEK AT HIGHWAY 133, NR MOUTH (LAT 38 54 14N LONG 107 33 40W)										
MAY 1999										
10...	1330	45	111	8.1	6.0	<1.0	--	--	--	--
AUG										
30...	1250	.93	328	--	18.3	<1.0	--	--	--	--
NOV										
08...	1240	.30	503	8.4	11.6	E.5	--	--	--	--
MAR 2000										
13...	1304	.97	288	8.3	8.0	<.7	--	--	--	--
09134050 MINNESOTA CREEK AT PAONIA, CO. (LAT 38 52 27N LONG 107 35 18W)										
MAY 1999										
11...	0940	3.0	1160	8.2	6.6	1.3	--	--	--	--
JUN										
23...	1150	12	708	8.2	16.2	<1.0	--	--	--	--
AUG										
30...	1230	13	586	8.3	18.4	1.5	--	--	--	--
NOV										
08...	1145	3.0	1240	8.3	6.7	<2.4	--	--	--	--
MAR 2000										
13...	1045	3.3	1110	8.3	4.9	1.4	--	--	--	--

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
384414107501601 SMITH FORK AT MOUTH (LAT 38 44 14N LONG 107 50 16W)										
MAY 1999 13...	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	--	--	--	--	--
SEP 01...	--	--	--	--	--	--	--	--	--	--
NOV 12...	--	--	--	--	--	--	--	--	--	--
MAR 2000 17...	--	--	--	--	--	--	--	--	--	--
09132500 NORTH FORK GUNNISON RIVER NEAR SOMERSET, CO. (LAT 38 55 33N LONG 107 26 01W)										
MAY 1999 10...	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--
NOV 08...	.3	.7	87	6.2	2.0	.1	10.1	106	.14	26.9
MAR 2000 13...	.4	.7	72	9.4	2.1	<.1	8.5	96	.13	18.7
385532107310501 HUBBARD CREEK AT MOUTH, NEAR BOWIE (LAT 38 55 32N LONG 107 31 05W)										
MAY 1999 10...	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--
NOV 08...	--	--	--	--	--	--	--	--	--	--
MAR 2000 13...	--	--	--	--	--	--	--	--	--	--
385414107334001 TERROR CREEK AT HIGHWAY 133, NR MOUTH (LAT 38 54 14N LONG 107 33 40W)										
MAY 1999 10...	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--
NOV 08...	--	--	--	--	--	--	--	--	--	--
MAR 2000 13...	--	--	--	--	--	--	--	--	--	--
09134050 MINNESOTA CREEK AT PAONIA, CO. (LAT 38 52 27N LONG 107 35 18W)										
MAY 1999 11...	--	--	--	--	--	--	--	--	--	--
JUN 23...	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--
NOV 08...	--	--	--	--	--	--	--	--	--	--

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)
385144107371701 ROATCAP CREEK AT HIGHWAY 133, NR MOUTH (LAT 38 51 44N LONG 107 37 17W)										
MAY 1999										
11...	1000	11	390	8.2	5.2	<1.0	--	--	--	--
AUG										
30...	1330	6.8	1080	8.1	18.9	4.3	--	--	--	--
NOV										
08...	1230	3.2	703	8.4	12.3	<2.4	--	--	--	--
MAR 2000										
13...	1140	1.1	1460	8.3	6.9	4.9	--	--	--	--
385051107372701 REYNOLDS CREEK AT CTY ROAD J75 (LAT 38 50 51N LONG 107 37 27W)										
MAY 1999										
11...	1135	7.5	416	8.2	6.6	<1.0	--	--	--	--
AUG										
30...	1120	4.3	646	8.4	17.4	1.8	--	--	--	--
NOV										
08...	1505	.18	1580	8.4	9.6	7.5	--	--	--	--
MAR 2000										
13...	1215	.13	2680	8.3	6.3	8.0	--	--	--	--
384922107402001 BELL CREEK AT CTY ROAD AND RR TRACKS, NR MOUTH (LAT 38 49 22N LONG 107 40 20W)										
MAY 1999										
11...	1325	11	1320	8.4	11.9	2.5	--	--	--	--
JUN										
23...	1040	24	982	8.0	15.6	2.6	460	115	41.1	38.7
JUL										
19...	1120	13	1470	8.0	18.6	3.7	--	--	--	--
AUG										
30...	1420	9.5	1560	8.2	20.0	5.1	--	--	--	--
NOV										
08...	1500	1.6	2870	8.2	10.5	7.4	--	--	--	--
MAR 2000										
13...	1220	1.8	3380	8.3	7.0	6.9	--	--	--	--
384915107412101 JAY CREEK AT HIGHWAY 133, NR MOUTH (LAT 38 49 15N LONG 107 41 21W)										
MAY 1999										
11...	1120	.32	1460	8.0	9.8	12.8	--	--	--	--
AUG										
30...	1120	4.8	837	8.0	16.7	6.4	--	--	--	--
NOV										
08...	1200	.84	1730	8.2	7.5	13.1	--	--	--	--
MAR 2000										
13...	1030	.07	2240	8.1	4.7	18.8	--	--	--	--

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
385144107371701 ROATCAP CREEK AT HIGHWAY 133, NR MOUTH (LAT 38 51 44N LONG 107 37 17W)										
MAY 1999										
11...	--	--	--	--	--	--	--	--	--	--
AUG										
30...	--	--	--	--	--	--	--	--	--	--
NOV										
08...	--	--	--	--	--	--	--	--	--	--
MAR 2000										
13...	--	--	--	--	--	--	--	--	--	--
385051107372701 REYNOLDS CREEK AT CTY ROAD J75 (LAT 38 50 51N LONG 107 37 27W)										
MAY 1999										
11...	--	--	--	--	--	--	--	--	--	--
AUG										
30...	--	--	--	--	--	--	--	--	--	--
NOV										
08...	--	--	--	--	--	--	--	--	--	--
MAR 2000										
13...	--	--	--	--	--	--	--	--	--	--
384922107402001 BELL CREEK AT CTY ROAD AND RR TRACKS, NR MOUTH (LAT 38 49 22N LONG 107 40 20W)										
MAY 1999										
11...	--	--	--	--	--	--	--	--	--	--
JUN										
23...	.8	3.1	180	348	6.8	.3	14.8	673	.92	43.4
JUL										
19...	--	--	--	--	--	--	--	--	--	--
AUG										
30...	--	--	--	--	--	--	--	--	--	--
NOV										
08...	--	--	--	--	--	--	--	--	--	--
MAR 2000										
13...	--	--	--	--	--	--	--	--	--	--
384915107412101 JAY CREEK AT HIGHWAY 133, NR MOUTH (LAT 38 49 15N LONG 107 41 21W)										
MAY 1999										
11...	--	--	--	--	--	--	--	--	--	--
AUG										
30...	--	--	--	--	--	--	--	--	--	--
NOV										
08...	--	--	--	--	--	--	--	--	--	--
MAR 2000										
13...	--	--	--	--	--	--	--	--	--	--

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)
384414107350101 COTTONWOOD CREEK ABV ASPEN DITCH, AT G DRIVE (LAT 38 44 14N LONG 107 35 01W)										
JUL 2000										
25...	0920	.45	1570	8.0	15.5	4.7	--	--	--	--
09134200 COTTONWOOD CREEK NEAR HOTCHKISS, CO. (LAT 38 48 22N LONG 107 41 12W)										
MAY 1999										
11...	1240	9.5	2690	8.2	10.9	7.2	--	--	--	--
JUN										
23...	1020	15	2280	8.0	15.5	4.2	1000	240	109	151
JUL										
19...	1030	7.0	2990	8.0	18.2	9.3	1500	338	161	226
AUG										
30...	1330	13	2650	7.0	18.5	6.5	1300	292	131	170
NOV										
08...	1350	4.9	1320	8.3	10.2	12.9	--	--	--	--
MAR 2000										
13...	1130	5.6	2740	8.2	4.8	8.5	--	--	--	--
JUL										
25...	1030	4.4	3240	8.1	17.4	7.3	--	--	--	--
384747107430501 SHORT DRAW WEST OF CTY FAIRGROUNDS,AT HOTCHKISS (LAT 38 47 47N LONG 107 43 05W)										
OCT 1998										
15...	1220	7.4	1740	8.1	12.5	9.4	--	--	--	--
MAY 1999										
12...	1020	4.6	1530	8.1	9.4	11.3	--	--	--	--
JUN										
23...	1245	8.8	1370	7.9	16.8	14.6	--	--	--	--
JUL										
19...	1120	12	1520	7.9	16.4	8.3	--	--	--	--
AUG										
30...	1350	5.6	1500	--	16.9	9.6	--	--	--	--
NOV										
09...	1000	2.8	2390	7.9	9.4	18.0	--	--	--	--
MAR 2000										
14...	1340	.73	2790	8.3	8.3	29.4	--	--	--	--
09134500 LEROUX CREEK NEAR CEDAREDGE, CO. (LAT 38 55 35N LONG 107 47 35W)										
JUN 2000										
20...	1245	1.7	91	8.0	12.1	<.7	--	--	--	--
09134700 COW CREEK NEAR CEDAREDGE, CO. (LAT 38 55 34N LONG 107 47 31W)										
JUN 2000										
20...	1230	26	102	8.1	15.2	<.7	--	--	--	--
385254107470701 DEVER CREEK AT MOUTH (LAT 38 52 54N LONG 107 47 07W)										
JUN 2000										
20...	1400	.24	998	8.6	17.7	3.4	--	--	--	--

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
384414107350101 COTTONWOOD CREEK ABV ASPEN DITCH, AT G DRIVE (LAT 38 44 14N LONG 107 35 01W)										
JUL 2000										
25...	--	--	--	--	--	--	--	--	--	--
09134200 COTTONWOOD CREEK NEAR HOTCHKISS, CO. (LAT 38 48 22N LONG 107 41 12W)										
MAY 1999										
11...	--	--	--	--	--	--	--	--	--	--
JUN										
23...	2	5.2	237	1130	11.7	.5	16.0	1810	2.46	72.8
JUL										
19...	3	7.7	263	1590	22.1	.5	16.9	2510	3.43	47.4
AUG										
30...	2	5.5	264	1350	15.3	.6	17.3	2140	2.92	76.4
NOV										
08...	--	--	--	--	--	--	--	--	--	--
MAR 2000										
13...	--	--	--	--	--	--	--	--	--	--
JUL										
25...	--	--	--	--	--	--	--	--	--	--
384747107430501 SHORT DRAW WEST OF CTY FAIRGROUNDS,AT HOTCHKISS (LAT 38 47 47N LONG 107 43 05W)										
OCT 1998										
15...	--	--	--	--	--	--	--	--	--	--
MAY 1999										
12...	--	--	--	--	--	--	--	--	--	--
JUN										
23...	--	--	--	--	--	--	--	--	--	--
JUL										
19...	--	--	--	--	--	--	--	--	--	--
AUG										
30...	--	--	--	--	--	--	--	--	--	--
NOV										
09...	--	--	--	--	--	--	--	--	--	--
MAR 2000										
14...	--	--	--	--	--	--	--	--	--	--
09134500 LEROUX CREEK NEAR CEDAREDGE, CO. (LAT 38 55 35N LONG 107 47 35W)										
JUN 2000										
20...	--	--	--	--	--	--	--	--	--	--
09134700 COW CREEK NEAR CEDAREDGE, CO. (LAT 38 55 34N LONG 107 47 31W)										
JUN 2000										
20...	--	--	--	--	--	--	--	--	--	--
385254107470701 DEVER CREEK AT MOUTH (LAT 38 52 54N LONG 107 47 07W)										
JUN 2000										
20...	--	--	--	--	--	--	--	--	--	--

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
385247107472501 LEROUX CREEK AT 3100 ROAD, BELOW DEVER CREEK (LAT 38 52 47N LONG 107 47 25W)						
NOV 1999						
09...	1020	2.2	947	8.4	6.2	E2.0
MAR 2000						
14...	1020	1.2	920	8.7	4.0	--
09135000 LEROUX CREEK NEAR LAZEAR, CO. (LAT 38 52 52N LONG 107 47 07W)						
JUN 2000						
20...	1420	3.7	280	9.0	21.5	E.7
385107107465601 LEROUX CREEK NEAR N AND 3100 ROADS (LAT 38 51 07N LONG 107 46 56W)						
JUN 2000						
20...	1510	.46	1380	8.8	26.2	7.4
384944107463601 LEROUX CREEK ABV FIRE MT. CANAL(NO.4) DIVERSION (LAT 38 49 44N LONG 107 46 36W)						
JUN 2000						
20...	0930	1.8	1320	8.5	13.1	7.2
384938107463601 FIRE mT. CANAL AT LEROUX CREEK (LAT 38 49 38N LONG 107 46 36W)						
JUN 2000						
20...	0955	E.20	135	8.1	13.7	<.7
384937107463801 LEROUX CREEK BELOW FIRE MT. CANAL (LAT 38 49 37N LONG 107 46 38W)						
JUN 2000						
20...	1015	.05	2020	8.3	16.6	140
384915107460801 LEROUX CREEK ABOVE JESSIE DITCH DIVERSION (LAT 38 49 15N LONG 107 46 08W)						
JUN 2000						
20...	1015	.61	2570	8.0	14.7	53.2
384853107451201 JESSIE DITCH AT 3250 AND L ROADS, NEAR HOTCHKISS (LAT 38 48 53N LONG 107 45 12W)						
JUL 2000						
25...	0815	--	626	8.2	15.8	10.4
384855107450101 SEEP ALONG LEROUX CREEK, ABOVE DUKE DITCH (LAT 38 48 55N LONG 107 45 01W)						
JUN 2000						
20...	1115	--	1400	8.0	12.4	9.4
384854107450201 LEROUX CREEK ABOVE DUKE DITCH DIVERSION (LAT 38 48 54N LONG 107 45 02W)						
MAR 2000						
28...	1240	1.1	933	8.5	13.9	3.5
JUN						
20...	1100	1.5	1010	8.4	17.0	7.9

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
384842107443901 LEROUX CREEK AT 330 ROAD, NEAR HOTCHKISS (LAT 38 48 42N LONG 107 44 39W)						
MAR 2000						
14...	1115	1.3	1010	8.6	10.6	4.5
JUN						
20...	1150	.52	1210	8.4	17.5	13.7
09135900 LEROUX CREEK AT HOTCHKISS, CO. (LAT 38 47 53N LONG 107 43 53W)						
JUN 2000						
20...	1105	1.9	1240	8.1	16.1	5.0
384732107434801 LEROUX CREEK AT MOUTH (LAT 38 47 32N LONG 107 43 48W)						
OCT 1998						
14...	1215	12	1230	8.3	13.5	5.2
MAY 1999						
12...	1140	4.0	1430	8.3	11.6	8.2
AUG						
30...	1230	11	1300	--	16.9	8.2
NOV						
09...	1150	11	1140	8.3	10.6	6.6
MAR 2000						
14...	1230	5.1	1190	8.5	11.3	7.6
JUN						
20...	1340	3.7	1470	8.1	22.1	9.5
384610107455001 ALUM GULCH AT MOUTH (LAT 38 46 10N LONG 107 45 50W)						
OCT 1998						
15...	1430	8.5	2450	8.4	13.0	2.1
MAY 1999						
12...	1200	16	1680	8.4	9.7	1.6
AUG						
30...	1110	11	2230	7.4	17.0	2.4
NOV						
10...	1220	5.1	2440	8.3	6.2	2.8
MAR 2000						
14...	0950	6.8	2220	8.5	3.9	3.2
384756107490801 BIG GULCH AT HIGHWAY 92 (LAT 38 47 56N LONG 107 49 08W)						
MAY 1999						
12...	1240	1.1	2650	7.7	14.5	8.6
AUG						
31...	1015	.38	2140	7.8	15.8	8.1
NOV						
09...	1245	5.5	1320	8.2	8.3	6.7
MAR 2000						
14...	1200	6.3	1140	8.6	7.3	7.2

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

09136100 NORTH FORK GUNNISON RIVER NEAR LAZEAR, CO. (LAT 38 47 00N LONG 107 50 07W)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT 1998											
16...	1045	214	1210	8.3	10.1	2.0	--	--	--	--	--
NOV											
10...	1000	258	1130	8.5	2.0	2.1	--	500	108	55.0	57.1
DEC											
10...	1400	192	1110	8.1	3.0	2.5	--	500	113	53.3	55.4
JAN 1999											
11...	1125	128	1170	8.4	1.5	2.3	--	510	110	57.2	61.6
27...	1310	180	1270	8.5	4.5	2.8	--	550	122	60.8	76.3
FEB											
08...	1100	177	1110	8.4	5.5	2.2	--	490	108	53.7	61.8
23...	1025	131	1040	8.4	2.5	2.7	--	450	97.3	50.9	60.1
MAR											
22...	1025	395	559	8.2	6.5	2.6	2	220	50.5	22.5	29.0
APR											
20...	1055	348	564	8.1	9.5	1.2	--	230	53.1	24.5	30.8
30...	1145	e1190	644	8.1	9.0	<1.0	<1	280	64.0	28.0	31.2
MAY											
13...	0820	e1080	465	8.0	9.7	1.1	--	190	47.6	17.6	20.5
24...	1120	e3050	267	8.4	10.0	<1.0	<1	110	27.8	8.88	10.3
JUN											
11...	1020	e1500	387	8.4	11.0	<1.0	--	160	40.2	14.1	15.0
29...	1145	702	515	8.7	16.5	1.1	--	230	56.0	20.9	21.5
JUL											
20...	0835	181	1460	8.3	17.5	3.8	--	710	166	73.1	73.2
AUG											
12...	1030	297	1210	8.3	17.5	2.7	2	540	126	55.0	58.9
31...	1045	165	1460	8.3	18.7	3.7	--	690	159	71.4	72.0
SEP											
22...	0930	269	1190	8.4	11.4	2.0	--	560	130	56.7	61.7
OCT											
20...	1100	454	744	8.5	7.1	<2.4	--	350	84.9	34.0	35.6
NOV											
09...	1250	220	1070	8.5	9.5	3.5	--	480	107	51.3	53.2
DEC											
10...	1125	143	1200	8.5	2.1	3.0	--	530	118	58.2	76.3
JAN 2000											
11...	1125	125	1120	8.4	1.3	5.7	--	490	105	54.8	61.6
FEB											
02...	1240	120	1080	8.4	4.0	3.7	--	460	97.8	51.8	63.8
MAR											
14...	1100	145	1090	8.6	8.4	2.7	--	470	101	53.4	62.5
24...	1015	358	608	8.4	7.6	1.5	--	260	61.3	24.8	30.6
APR											
07...	1000	e850	339	8.2	6.9	.9	1	140	34.1	12.3	16.5
MAY											
01...	1000	e1350	252	8.3	7.1	E.7	--	100	26.1	9.16	10.7
05...	0710	e2250	195	8.1	8.3	E.5	--	77	20.6	6.20	8.3
18...	0915	e940	413	8.3	8.8	1.2	--	170	41.8	15.6	17.5
JUN											
09...	0905	675	472	8.2	15.3	1.1	--	190	45.5	17.7	20.2
JUL											
07...	1225	73	1530	8.2	21.2	3.4	--	690	150	76.7	80.4
AUG											
14...	1130	116	1410	8.2	20.7	3.6	--	660	154	67.9	72.9

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA- LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
09136100	NORTH FORK GUNNISON RIVER NEAR LAZEAR, CO. (LAT 38 47 00N LONG 107 50 07W)										
OCT 1998											
16...	--	--	--	--	--	--	--	--	--	--	--
NOV											
10...	1	4.9	225	--	389	8.8	.4	17.8	776	1.06	540
DEC											
10...	1	5.5	222	--	383	8.8	.5	20.1	772	1.05	400
JAN 1999											
11...	1	5.4	243	--	400	9.0	.6	19.6	809	1.10	280
27...	1	5.1	236	--	457	11.4	.5	18.5	892	1.21	434
FEB											
08...	1	4.7	219	--	379	9.0	.4	17.0	765	1.04	365
23...	1	4.6	223	--	357	9.4	.4	17.6	731	.99	259
MAR											
22...	.9	2.5	135	--	150	5.5	.2	13.6	355	.48	379
APR											
20...	.9	3.0	129	--	159	4.7	.2	12.7	365	.50	343
30...	.8	3.2	117	--	210	5.5	.3	12.4	425	.58	e1370
MAY											
13...	.6	2.0	--	110	116	3.0	.2	11.1	288	.39	e828
24...	.4	1.2	--	73	56.2	1.6	.1	9.8	160	.22	e1310
JUN											
11...	.5	1.4	--	84	107	2.1	.1	9.8	240	.33	e972
29...	.6	1.9	--	110	156	2.7	.3	12.3	342	.46	640
JUL											
20...	1	7.0	--	257	562	9.4	.5	22.3	1070	1.45	521
AUG											
12...	1	5.1	--	241	438	8.9	.4	19.6	856	1.16	687
31...	1	6.0	--	252	572	10.8	.6	20.8	1060	1.45	474
SEP											
22...	1	5.1	--	253	423	9.8	.6	18.6	858	1.17	623
OCT											
20...	.8	3.4	--	188	216	4.7	.3	16.3	508	.69	623
NOV											
09...	1	4.9	--	193	364	<.3	.5	18.7	715	.97	424
DEC											
10...	1	5.6	--	255	399	14.3	.5	22.3	846	1.15	327
JAN 2000											
11...	1	5.4	--	239	374	9.9	.5	21.6	776	1.06	262
FEB											
02...	1	5.7	--	237	359	9.7	.5	20.9	752	1.02	244
MAR											
14...	1	4.8	--	213	357	10.3	.4	15.9	734	1.00	287
24...	.8	2.2	--	165	153	4.9	.2	12.7	389	.53	376
APR											
07...	.6	1.9	--	102	67.6	3.2	.1	11.2	208	.28	477
MAY											
01...	.5	1.4	--	69	53.4	1.5	.1	10.8	155	.21	565
05...	.4	1.1	--	56	35.5	1.1	.1	9.8	117	.16	711
18...	.6	1.6	--	90	115	2.4	.2	10.9	259	.35	657
JUN											
09...	.6	1.8	--	96	132	2.3	.2	9.9	288	.39	524
JUL											
07...	1	7.5	--	232	601	9.3	.5	20.3	1080	1.48	215
AUG											
14...	1	7.0	--	244	533	8.2	.5	19.3	1010	1.37	316

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
384752107502201 SULPHUR GULCH AT HIGHWAY 92 (LAT 38 47 52N LONG 107 50 22W)										
MAY 1999										
17...	1055	.33	1660	8.3	13.3	6.7	--	--	--	--
AUG										
31...	1125	.06	5720	8.2	18.4	4.5	--	--	--	--
NOV										
09...	1225	.10	5350	8.0	5.4	14.4	--	--	--	--
MAR 2000										
14...	1220	.09	6680	8.3	5.3	21.3	--	--	--	--
384802107522201 LAWHEAD GULCH AT HIGHWAY 92 (LAT 38 48 02N LONG 107 52 22W)										
MAY 1999										
17...	1050	.80	1400	8.1	10.1	7.3	--	--	--	--
AUG										
31...	1030	.14	2550	7.9	16.9	5.2	--	--	--	--
NOV										
10...	0920	.19	7060	8.2	3.5	8.2	--	--	--	--
MAR 2000										
14...	1530	.04	4990	7.7	8.4	6.7	--	--	--	--
384812107524501 OASIS DITCH AT HIGHWAY 92 (LAT 38 48 12N LONG 107 52 45W)										
NOV 1999										
09...	1320	6.7	2580	8.0	9.1	16.0	--	--	--	--
384643107540301 UNNAMED DRAINAGE BELOW OASIS POND, AT CTY ROAD (LAT 38 46 43N LONG 107 54 03W)										
MAY 1999										
17...	1155	9.8	2060	8.2	16.0	15.1	--	--	--	--
JUN										
24...	1030	8.3	1840	7.9	20.8	6.6	--	--	--	--
JUL										
19...	1005	3.0	2210	8.0	20.8	5.5	--	--	--	--
AUG										
31...	1110	5.0	2250	8.2	21.1	6.9	--	--	--	--
NOV										
10...	0955	3.0	2730	8.2	5.9	12.2	--	--	--	--
MAR 2000										
14...	1110	3.1	2760	8.3	7.7	13.8	--	--	--	--
385314107504301 CURRANT CREEK 0.1 MI ABOVE DRY CREEK, NR CEDAR MESA (LAT 38 53 14N LONG 107 50 43W)										
JUL 2000										
07...	1025	2.1	1720	7.9	15.8	2.3	--	--	--	--
09137050 CURRANT CREEK NEAR READ, CO. (LAT 38 47 05N LONG 107 56 18W)										
MAY 1999										
17...	1155	14	2390	8.2	10.8	19.0	--	--	--	--
JUN										
24...	1025	11	2710	8.1	16.9	12.2	1300	241	162	200
JUL										
20...	0910	4.9	3730	8.0	17.0	15.8	1800	322	233	310

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
384752107502201 SULPHUR GULCH AT HIGHWAY 92 (LAT 38 47 52N LONG 107 50 22W)										
MAY 1999 17...	--	--	--	--	--	--	--	--	--	--
AUG 31...	--	--	--	--	--	--	--	--	--	--
NOV 09...	--	--	--	--	--	--	--	--	--	--
MAR 2000 14...	--	--	--	--	--	--	--	--	--	--
384802107522201 LAWHEAD GULCH AT HIGHWAY 92 (LAT 38 48 02N LONG 107 52 22W)										
MAY 1999 17...	--	--	--	--	--	--	--	--	--	--
AUG 31...	--	--	--	--	--	--	--	--	--	--
NOV 10...	--	--	--	--	--	--	--	--	--	--
MAR 2000 14...	--	--	--	--	--	--	--	--	--	--
384812107524501 OASIS DITCH AT HIGHWAY 92 (LAT 38 48 12N LONG 107 52 45W)										
NOV 1999 09...	--	--	--	--	--	--	--	--	--	--
384643107540301 UNNAMED DRAINAGE BELOW OASIS POND, AT CTY ROAD (LAT 38 46 43N LONG 107 54 03W)										
MAY 1999 17...	--	--	--	--	--	--	--	--	--	--
JUN 24...	--	--	--	--	--	--	--	--	--	--
JUL 19...	--	--	--	--	--	--	--	--	--	--
AUG 31...	--	--	--	--	--	--	--	--	--	--
NOV 10...	--	--	--	--	--	--	--	--	--	--
MAR 2000 14...	--	--	--	--	--	--	--	--	--	--
385314107504301 CURRANT CREEK 0.1 MI ABOVE DRY CREEK, NR CEDAR MESA (LAT 38 53 14N LONG 107 50 43W)										
JUL 2000 07...	--	--	--	--	--	--	--	--	--	--
09137050 CURRANT CREEK NEAR READ, CO. (LAT 38 47 05N LONG 107 56 18W)										
MAY 1999 17...	--	--	--	--	--	--	--	--	--	--
JUN 24...	2	14.0	286	1370	84.4	.6	20.4	2290	3.07	67.7
JUL 20...	3	17.6	324	2010	30.9	.6	24.8	3100	4.27	41.7

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
09137050 CURRANT CREEK NEAR READ, CO. (LAT 38 47 05N LONG 107 56 18W)											
AUG 1999											
31...	1055	2.8	4260	8.1	19.0	21.5	--	--	--	--	--
NOV											
09...	1455	8.3	3750	8.1	10.0	30.0	--	--	--	--	--
MAR 2000											
14...	1035	4.3	4480	8.4	5.6	43.6	--	--	--	--	--
JUL											
07...	0845	1.2	3960	7.8	16.3	10.0	--	--	--	--	--
384624107570701 GUNNISON RIVER AT OLD AUSTIN BRIDGE (LAT 38 46 24N LONG 107 57 07W)											
MAY 1999											
17...	1325	2790	324	8.1	10.5	1.3	--	--	--	--	--
AUG											
31...	0830	1010	549	8.0	19.0	1.6	230	61.1	19.6	21.6	.6
NOV											
10...	0753	1100	432	8.0	7.1	1.2	180	45.3	15.8	17.4	.6
MAR 2000											
15...	0900	921	456	8.2	4.4	1.1	180	43.1	16.9	20.0	.7
384604107570701 PEACH VALLEY ARROYO NEAR MOUTH (LAT 38 46 04N LONG 107 57 07W)											
MAY 1999											
18...	1345	7.1	1140	8.1	14.6	5.3	--	--	--	--	--
AUG											
31...	1041	3.7	613	8.2	21.0	4.7	--	--	--	--	--
NOV											
09...	1425	3.2	5990	7.8	9.4	95.0	--	--	--	--	--
DEC											
10...	1005	.69	6740	8.2	.0	20.4	--	--	--	--	--
MAR 2000											
15...	1010	.21	7420	8.4	3.0	15.4	--	--	--	--	--
384649107570501 ALFALFA RUN AT AUSTIN (LAT 38 46 49N LONG 107 57 05W)											
MAY 1999											
18...	1030	5.6	2050	8.1	11.2	17.5	--	--	--	--	--
JUN											
24...	1115	4.8	2070	8.1	16.6	16.7	--	--	--	--	--
JUL											
20...	0945	6.0	2050	8.0	16.1	10.7	--	--	--	--	--
AUG											
31...	1110	4.4	2090	7.9	18.5	13.2	--	--	--	--	--
NOV											
09...	1215	2.4	2690	8.1	10.7	18.1	--	--	--	--	--
MAR 2000											
15...	1035	.75	2550	8.3	7.6	16.4	--	--	--	--	--
384551107591901 SUNFLOWER DRAIN AT HIGHWAY 92,NEAR READ (LAT 38 45 51N LONG 107 59 19W)											
NOV 1998											
10...	0815	10	3510	8.5	3.0	44.7	1100	225	129	531	7

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
09137050 CURRANT CREEK NEAR READ, CO. (LAT 38 47 05N LONG 107 56 18W)										
AUG 1999 31...	--	--	--	--	--	--	--	--	--	--
NOV 09...	--	--	--	--	--	--	--	--	--	--
MAR 2000 14...	--	--	--	--	--	--	--	--	--	--
JUL 07...	--	--	--	--	--	--	--	--	--	--
384624107570701 GUNNISON RIVER AT OLD AUSTIN BRIDGE (LAT 38 46 24N LONG 107 57 07W)										
MAY 1999 17...	--	--	--	--	--	--	--	--	--	--
AUG 31...	2.3	--	122	149	4.8	.3	12.5	345	.47	940
NOV 10...	2.2	--	112	99.5	4.0	.2	13.2	265	.36	787
MAR 2000 15...	2.2	--	112	111	5.2	.2	11.9	277	.38	689
384604107570701 PEACH VALLEY ARROYO NEAR MOUTH (LAT 38 46 04N LONG 107 57 07W)										
MAY 1999 18...	--	--	--	--	--	--	--	--	--	--
AUG 31...	--	--	--	--	--	--	--	--	--	--
NOV 09...	--	--	--	--	--	--	--	--	--	--
DEC 10...	--	--	--	--	--	--	--	--	--	--
MAR 2000 15...	--	--	--	--	--	--	--	--	--	--
384649107570501 ALFALFA RUN AT AUSTIN (LAT 38 46 49N LONG 107 57 05W)										
MAY 1999 18...	--	--	--	--	--	--	--	--	--	--
JUN 24...	--	--	--	--	--	--	--	--	--	--
JUL 20...	--	--	--	--	--	--	--	--	--	--
AUG 31...	--	--	--	--	--	--	--	--	--	--
NOV 09...	--	--	--	--	--	--	--	--	--	--
MAR 2000 15...	--	--	--	--	--	--	--	--	--	--
384551107591901 SUNFLOWER DRAIN AT HIGHWAY 92,NEAR READ (LAT 38 45 51N LONG 107 59 19W)										
NOV 1998 10...	7.7	243	--	1780	26.8	.3	11.4	2860	3.89	78.8

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
384551107591901 SUNFLOWER DRAIN AT HIGHWAY 92,NEAR READ (LAT 38 45 51N LONG 107 59 19W)											
DEC 1998											
10...	1230	3.9	4100	8.4	2.0	53.3	--	1300	272	152	581
JAN 1999											
11...	1315	8.3	2600	8.4	1.0	33.4	--	770	158	91.7	337
MAY											
18...	1115	12	1840	8.0	11.8	17.2	--	--	--	--	--
JUN											
11...	0945	62	1320	8.3	13.5	14.1	--	480	125	39.8	107
JUL											
19...	1335	89	1280	8.0	18.1	9.7	--	490	131	38.6	101
AUG											
31...	1150	101	1180	8.1	18.7	12.0	--	420	111	35.4	92.9
NOV											
10...	1100	11	3790	8.2	6.8	45.0	--	--	--	--	--
FEB 2000											
22...	0910	2.6	7590	8.3	6.0	102	107	--	--	--	--
MAR											
15...	1000	2.4	7980	8.2	6.4	58.6	--	2300	430	290	1340
APR											
04...	1110	85	813	8.4	8.2	6.5	--	270	69.1	24.1	64.8
17...	0945	24	1210	8.3	8.9	12.6	--	360	86.2	35.3	128
MAY											
01...	0925	19	1450	8.3	9.7	15.8	--	470	115	43.5	148
15...	1455	40	1380	8.2	14.4	14.4	--	480	126	39.8	123
JUN											
02...	1000	33	1200	8.1	14.9	8.9	--	420	111	35.0	96.3
15...	1135	23	1660	8.2	17.2	23.7	--	590	149	51.7	157
26...	1150	46	1550	8.2	17.5	18.5	--	520	132	47.0	153
JUL											
12...	0915	39	1550	8.1	17.9	15.3	--	530	137	46.4	136
25...	1150	19	1840	8.1	19.8	16.7	--	640	162	56.0	161
AUG											
07...	1050	34	1430	8.1	16.6	16.4	--	490	127	43.1	119
18...	0910	40	1440	8.1	17.2	15.3	--	530	136	45.9	116
SEP											
01...	0845	68	1360	8.1	16.1	13.6	--	490	127	41.2	104
08...	0935	73	1420	8.1	15.9	15.8	--	540	143	44.6	119
22...	1015	72	1470	8.2	14.0	15.6	--	530	134	46.8	124
385708107533701 SURFACE CREEK ABV MILK CREEK, AT U50 ROAD (LAT 38 57 08N LONG 107 53 37W)											
JUN 2000											
26...	0945	47	76	8.2	10.8	<.7	--	--	--	--	--
384816107593801 SURFACE CREEK AT 1975 ROAD, NEAR MOUTH (LAT 38 48 16N LONG 107 59 38W)											
JUN 2000											
26...	1055	3.7	658	8.4	16.4	1.1	--	--	--	--	--

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA- LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
384551107591901 SUNFLOWER DRAIN AT HIGHWAY 92,NEAR READ (LAT 38 45 51N LONG 107 59 19W)											
DEC 1998											
10...	7	9.1	255	--	2220	32.2	.3	10.1	3430	4.66	36.2
JAN 1999											
11...	5	5.8	194	--	1240	19.0	.3	11.3	1980	2.70	44.5
MAY											
18...	--	--	--	--	--	--	--	--	--	--	--
JUN											
11...	2	4.4	--	167	529	8.1	.3	12.7	927	1.26	154
JUL											
19...	2	4.3	--	165	514	8.6	.4	15.0	910	1.24	219
AUG											
31...	2	3.5	--	157	469	6.2	.3	12.6	825	1.12	225
NOV											
10...	--	--	--	--	--	--	--	--	--	--	--
FEB 2000											
22...	--	--	--	--	--	--	--	--	--	--	--
MAR											
15...	12	15.7	--	370	4520	75.6	.3	5.3	6900	9.38	44.9
APR											
04...	2	2.8	--	127	290	5.6	.3	12.1	545	.74	125
17...	3	4.0	--	136	472	9.0	.3	12.2	828	1.13	54.3
MAY											
01...	3	5.6	--	154	611	10.2	.3	12.9	1040	1.41	52.1
15...	2	5.2	--	162	553	9.4	.4	13.3	967	1.31	104
JUN											
02...	2	4.2	--	150	475	7.6	.3	13.4	834	1.13	74.3
15...	3	4.9	--	190	696	10.5	.4	14.6	1200	1.63	73.1
26...	3	4.9	--	172	636	9.8	.3	13.0	1100	1.49	136
JUL											
12...	3	4.7	--	181	634	8.8	.3	14.5	1090	1.48	115
25...	3	5.7	--	204	784	10.8	.4	15.4	1320	1.79	66.5
AUG											
07...	2	4.2	--	173	581	8.0	.3	13.6	1000	1.36	92.6
18...	2	4.4	--	181	606	8.5	.4	14.2	1040	1.41	113
SEP											
01...	2	4.0	--	182	530	7.9	.3	14.9	939	1.28	172
08...	2	4.4	--	184	555	7.9	.5	16.1	1000	1.36	197
22...	2	4.5	--	184	608	8.5	.4	13.4	1050	1.43	204
385708107533701 SURFACE CREEK ABV MILK CREEK, AT U50 ROAD (LAT 38 57 08N LONG 107 53 37W)											
JUN 2000											
26...	--	--	--	--	--	--	--	--	--	--	--
384816107593801 SURFACE CREEK AT 1975 ROAD, NEAR MOUTH (LAT 38 48 16N LONG 107 59 38W)											
JUN 2000											
26...	--	--	--	--	--	--	--	--	--	--	--

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
09144200 TONGUE CREEK AT CORY, CO. (LAT 38 47 16N LONG 107 59 41W)										
MAY 1999										
18...	1115	24	1630	8.2	12.6	4.1	--	--	--	--
JUN										
24...	1200	34	1430	8.2	20.7	4.5	630	134	71.5	85.8
JUL										
20...	1025	41	1560	8.2	17.1	4.7	700	151	79.5	93.1
AUG										
31...	1220	38	1480	8.4	18.8	5.4	--	--	--	--
NOV										
10...	1215	33	1560	8.4	7.3	4.8	690	140	81.9	87.6
MAR 2000										
15...	1050	29	1200	8.5	5.8	4.0	490	101	57.9	72.0
JUN										
05...	0855	10	2000	8.1	16.0	9.8	--	--	--	--
384635108010301 TONGUE CREEK AT MOUTH (LAT 38 46 35N LONG 108 01 03W)										
JUN 2000										
05...	1000	12	2120	8.2	16.9	12.0	--	--	--	--
384556108024601 HARTLAND DITCH NEAR GUNNISON R.DIVERSION (LAT 38 45 56N LONG 108 02 46W)										
MAY 1999										
18...	1230	33	380	8.0	10.8	1.4	--	--	--	--
SEP										
01...	1005	36	650	8.1	15.1	3.0	--	--	--	--
NOV										
10...	0940	20	589	8.3	7.1	E2.2	--	--	--	--
384459108033201 BONAFIDE DITCH AT DELTA (LAT 38 44 59N LONG 108 03 32W)										
MAY 1999										
19...	0955	75	1390	7.9	12.2	12.8	--	--	--	--
SEP										
01...	1010	96	1870	7.8	16.4	18.7	640	176	48.8	170
NOV										
10...	1110	34	1670	8.3	7.3	11.9	660	182	50.9	122
MAR 2000										
15...	1140	2.1	5090	8.0	7.1	34.2	1900	476	176	664
384544108060001 EAST UNNNAMED DRAIN AT HWY 50, NR DELTA (LAT 38 45 44N LONG 108 06 00W)										
APR 1999										
27...	1040	7.1	1090	8.1	10.8	5.8	--	--	--	--
SEP										
07...	1010	3.2	1060	8.1	14.5	4.6	--	--	--	--
NOV										
16...	1120	.12	1110	8.2	4.2	6.6	--	--	--	--
MAR 2000										
20...	0920	.02	5330	8.2	4.1	65.1	--	--	--	--

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
09144200 TONGUE CREEK AT CORY, CO. (LAT 38 47 16N LONG 107 59 41W)										
MAY 1999 18...	--	--	--	--	--	--	--	--	--	--
JUN 24...	1	8.2	317	513	7.4	.6	31.3	1040	1.42	96.8
JUL 20...	2	8.6	325	565	8.0	.6	35.3	1140	1.54	127
AUG 31...	--	--	--	--	--	--	--	--	--	--
NOV 10...	1	8.7	307	555	7.3	.6	35.2	1100	1.50	98.7
MAR 2000 15...	1	5.9	272	375	6.6	.4	26.7	809	1.10	64.0
JUN 05...	--	--	--	--	--	--	--	--	--	--
384635108010301 TONGUE CREEK AT MOUTH (LAT 38 46 35N LONG 108 01 03W)										
JUN 2000 05...	--	--	--	--	--	--	--	--	--	--
384556108024601 HARTLAND DITCH NEAR GUNNISON R.DIVERSION (LAT 38 45 56N LONG 108 02 46W)										
MAY 1999 18...	--	--	--	--	--	--	--	--	--	--
SEP 01...	--	--	--	--	--	--	--	--	--	--
NOV 10...	--	--	--	--	--	--	--	--	--	--
384459108033201 BONAFIDE DITCH AT DELTA (LAT 38 44 59N LONG 108 03 32W)										
MAY 1999 19...	--	--	--	--	--	--	--	--	--	--
SEP 01...	3	4.5	184	800	13.9	.5	15.5	1340	1.82	347
NOV 10...	2	3.8	171	734	10.3	.5	15.3	1220	1.66	114
MAR 2000 15...	7	10.2	289	2830	43.3	.6	9.3	4380	5.96	25.3
384544108060001 EAST UNNNAMED DRAIN AT HWY 50, NR DELTA (LAT 38 45 44N LONG 108 06 00W)										
APR 1999 27...	--	--	--	--	--	--	--	--	--	--
SEP 07...	--	--	--	--	--	--	--	--	--	--
NOV 16...	--	--	--	--	--	--	--	--	--	--
MAR 2000 20...	--	--	--	--	--	--	--	--	--	--

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
384545108061601 WEST UNNAMED DRAIN AT HWY 50, NEAR DELTA (LAT 38 45 45N LONG 108 06 16W)												
APR 1999												
27...	1145	12	1010	8.0	12.2	3.6	--	--	--	--	--	--
JUN												
28...	1040	1.5	1010	7.8	17.2	2.0	--	--	--	--	--	--
SEP												
07...	1100	11	941	8.3	15.7	2.8	--	--	--	--	--	--
NOV												
16...	1200	1.6	1070	8.1	5.4	4.9	--	--	--	--	--	--
384448108070301 CUMMINGS GULCH AT MOUTH (LAT 38 44 48N LONG 108 07 03W)												
APR 1999												
27...	1405	61	1140	8.1	12.2	3.4	--	--	--	--	--	--
SEP												
07...	1140	69	1260	8.0	15.9	3.9	--	--	--	--	--	--
NOV												
17...	0750	6.0	2320	8.0	6.1	8.4	--	--	--	--	--	--
MAR 2000												
20...	1020	2.3	2460	8.1	4.6	12.7	--	--	--	--	--	--
384013108091401 ROUBIDEAU CREEK UPSTREAM OF UNCOMPAHGRE PROJECT (LAT 38 40 13N LONG 108 09 14W)												
APR 1999												
30...	1040	296	204	8.5	6.5	<1.0	<1	52	14.5	3.91	22.0	1
JUN												
21...	1015	18	354	8.5	19.0	<1.0	--	130	35.4	8.97	23.3	.9
JUL												
20...	1250	3.1	672	8.5	25.5	<1.0	--	200	56.4	14.3	61.0	2
09150500 ROUBIDEAU CREEK AT MOUTH, NEAR DELTA, CO. (LAT 38 44 06N LONG 108 09 40W)												
APR 1999												
27...	1425	184	514	8.1	13.5	<1.0	--	--	--	--	--	--
JUN												
21...	1155	124	1080	8.3	19.0	2.7	--	520	148	35.9	42.9	.8
JUL												
20...	1400	102	1210	8.4	21.5	2.1	--	580	164	41.9	52.9	1
SEP												
07...	1305	134	1140	8.2	16.8	2.4	--	550	156	39.2	40.5	.8
NOV												
16...	1240	29	1730	8.2	6.2	3.7	--	--	--	--	--	--
MAR 2000												
20...	1145	77	850	8.2	4.9	3.0	--	--	--	--	--	--
384510108111801 ALKALI CREEK BELOW HWY 50, NEAR DELTA (LAT 38 45 10N LONG 108 11 18W)												
APR 1999												
07...	1140	.05	4470	8.1	8.1	33.4	--	--	--	--	--	--
NOV												
17...	0930	.03	4940	8.1	2.8	92.0	--	--	--	--	--	--
JAN 2000												
17...	1150	.12	5560	8.3	.0	115	--	--	--	--	--	--
19...	1140	.17	5520	8.4	.2	150	--	--	--	--	--	--

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA- LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
384545108061601 WEST UNNAMED DRAIN AT HWY 50, NEAR DELTA (LAT 38 45 45N LONG 108 06 16W)												
APR 1999												
27...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
07...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
16...	--	--	--	--	--	--	--	--	--	--	--	--
384448108070301 CUMMINGS GULCH AT MOUTH (LAT 38 44 48N LONG 108 07 03W)												
APR 1999												
27...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
07...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
17...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 2000												
20...	--	--	--	--	--	--	--	--	--	--	--	--
384013108091401 ROUBIDEAU CREEK UPSTREAM OF UNCOMPAHGRE PROJECT (LAT 38 40 13N LONG 108 09 14W)												
APR 1999												
30...	2.9	83	68	86	--	20.9	2.7	.2	5.6	113	.15	90.7
JUN												
21...	2.1	--	--	--	114	47.3	11.5	.2	6.4	199	.28	10.1
JUL												
20...	4.0	--	--	--	153	134	37.2	.4	7.6	407	.55	3.36
09150500 ROUBIDEAU CREEK AT MOUTH, NEAR DELTA, CO. (LAT 38 44 06N LONG 108 09 40W)												
APR 1999												
27...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
21...	2.8	--	--	--	189	400	6.2	.8	18.8	771	1.05	258
JUL												
20...	3.2	--	--	--	201	477	6.5	1.0	22.5	889	1.21	245
SEP												
07...	2.7	--	--	--	202	409	5.5	1.1	21.2	796	1.08	288
NOV												
16...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 2000												
20...	--	--	--	--	--	--	--	--	--	--	--	--
384510108111801 ALKALI CREEK BELOW HWY 50, NEAR DELTA (LAT 38 45 10N LONG 108 11 18W)												
APR 1999												
07...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
17...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 2000												
17...	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--	--

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
384510108111801 ALKALI CREEK BELOW HWY 50, NEAR DELTA (LAT 38 45 10N LONG 108 11 18W)											
JAN 2000											
26...	1000	.09	4760	8.3	.5	105	--	--	--	--	--
FEB											
07...	1055	.04	4810	8.2	.8	118	--	--	--	--	--
MAR											
20...	1200	.14	4410	8.2	1.6	85.3	--	--	--	--	--
APR											
04...	0825	.03	4570	8.3	2.0	74.3	--	--	--	--	--
384527108152701 GUNNISON RIVER AB ESCALANTE CREEK, NEAR DELTA (LAT 38 45 27N LONG 108 15 27W)											
APR 1999											
28...	0940	2380	749	8.0	11.2	3.6	--	--	--	--	--
SEP											
08...	0955	3150	726	8.2	14.9	4.3	--	--	--	--	--
09151500 ESCALANTE CREEK NEAR DELTA, CO. (LAT 38 45 24N LONG 108 15 34W)											
APR 1999											
28...	0850	146	171	8.0	8.4	<1.0	--	--	--	--	--
JUN											
28...	1105	5.0	550	8.3	21.0	<1.0	--	--	--	--	--
JUL											
20...	1105	4.8	576	8.3	21.1	<1.0	--	--	--	--	--
SEP											
08...	0900	5.1	507	8.4	15.4	<1.0	--	--	--	--	--
384836108171501 WELLS GULCH AT FOOLS HILL AT HIGHWAY 50 (LAT 38 48 36N LONG 108 17 15W)											
JAN 2000											
19...	1045	E.01	2000	8.2	4.9	2.5	--	--	--	--	--
384813108184301 WELLS GULCH AT DOMINGUEZ ROAD CROSSING (LAT 38 48 13N LONG 108 18 43W)											
JUN 1999											
17...	2055	.60	506	9.4	16.4	10.0	5	--	--	--	--
JUL											
15...	0730	.04	379	7.9	--	<1.0	--	--	--	--	--
JAN 2000											
17...	1105	E.03	784	8.7	5.5	--	3	--	--	--	--
26...	0915	<.01	702	8.7	5.0	--	3	--	--	--	--
MAR											
21...	0930	.74	611	9.0	2.0	8.2	--	--	--	--	--
385130108202301 DEER CREEK BLW KING CR. UPPER SITE (LAT 38 51 30N LONG 108 20 23W)											
JAN 2000											
17...	1020	.05	5760	8.2	2.0	9.1	--	--	--	--	--
19...	1000	.08	5300	8.3	1.6	8.3	--	--	--	--	--
26...	0830	.04	6230	8.3	3.3	10.6	--	2600	389	402	793

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
384510108111801 ALKALI CREEK BELOW HWY 50, NEAR DELTA (LAT 38 45 10N LONG 108 11 18W)											
JAN 2000 26...	--	--	--	--	--	--	--	--	--	--	--
FEB 07...	--	--	--	--	--	--	--	--	--	--	5.42
MAR 20...	--	--	--	--	--	--	--	--	--	--	--
APR 04...	--	--	--	--	--	--	--	--	--	--	3.99
384527108152701 GUNNISON RIVER AB ESCALANTE CREEK, NEAR DELTA (LAT 38 45 27N LONG 108 15 27W)											
APR 1999 28...	--	--	--	--	--	--	--	--	--	--	--
SEP 08...	--	--	--	--	--	--	--	--	--	--	--
09151500 ESCALANTE CREEK NEAR DELTA, CO. (LAT 38 45 24N LONG 108 15 34W)											
APR 1999 28...	--	--	--	--	--	--	--	--	--	--	--
JUN 28...	--	--	--	--	--	--	--	--	--	--	--
JUL 20...	--	--	--	--	--	--	--	--	--	--	--
SEP 08...	--	--	--	--	--	--	--	--	--	--	--
384836108171501 WELLS GULCH AT FOOLS HILL AT HIGHWAY 50 (LAT 38 48 36N LONG 108 17 15W)											
JAN 2000 19...	--	--	--	--	--	--	--	--	--	--	--
384813108184301 WELLS GULCH AT DOMINGUEZ ROAD CROSSING (LAT 38 48 13N LONG 108 18 43W)											
JUN 1999 17...	--	--	--	--	--	--	--	--	--	--	--
JUL 15...	--	--	--	--	--	--	--	--	--	--	--
JAN 2000 17...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
MAR 21...	--	--	--	--	--	--	--	--	--	--	3.45
385130108202301 DEER CREEK BLW KING CR. UPPER SITE (LAT 38 51 30N LONG 108 20 23W)											
JAN 2000 17...	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--
26...	7	7.3	303	3680	171	.7	21.9	5650	7.68	.61	--

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
385104108213501 DEER CREEK BELOW WINDY CREEK, NEAR MOUTH (LAT 38 51 04N LONG 108 21 35W)												
FEB 2000												
07...	1015	<.01	9600	8.0	1.5	E2.0	--	--	--	--	--	--
MAR												
21...	1015	.35	1110	8.7	6.9	4.7	--	--	--	--	--	--
384942108224701 DOMINGUEZ CREEK NEAR MOUTH (LAT 38 49 42N LONG 108 22 47W)												
APR 1999												
29...	1015	11	302	8.3	11.3	<1.0	--	--	--	--	--	--
SEP												
08...	1130	1.7	326	8.5	16.1	1.6	--	--	--	--	--	--
09152000 KANNAH CREEK NEAR WHITEWATER, CO. (LAT 38 57 42N LONG 108 13 47W)												
JUN 1999												
29...	1100	35	118	8.1	11.5	<1.0	--	--	--	--	--	--
JUL												
21...	1130	26	135	8.2	13.7	<1.0	--	--	--	--	--	--
NOV												
17...	1020	4.3	154	8.6	6.5	<.7	--	--	--	--	--	--
MAR 2000												
21...	1030	4.7	192	8.2	1.0	<.7	--	--	--	--	--	--
JUL												
25...	0915	18	114	7.8	14.0	<.7	44	38	48	12.6	3.94	2.5
AUG												
21...	1400	22	93	7.8	16.0	<.7	K33	K45	42	10.9	3.52	2.1
SEP												
28...	0850	4.1	136	8.2	8.6	E.2	--	K13	65	17.4	5.24	3.4
385600108250301 KANNAH CREEK ABOUT .1 MI BELOW INDIAN CREEK (LAT 38 56 00N LONG 108 25 03W)												
APR 1999												
29...	1140	1.5	2530	8.2	14.3	9.6	--	--	--	--	--	--
MAY												
27...	1305	51	514	8.0	12.3	3.5	--	--	--	--	--	--
JUN												
29...	0915	.41	2550	7.9	18.9	5.5	--	--	--	--	--	--
JUL												
21...	1010	1.8	1450	8.0	19.7	5.0	--	--	--	--	--	--
SEP												
08...	1025	1.1	1920	8.2	15.5	11.4	--	--	--	--	--	--
NOV												
17...	1045	4.7	3380	8.2	5.3	29.3	--	--	--	--	--	--
MAR 2000												
21...	0945	5.7	3040	8.1	3.3	31.2	--	--	--	--	--	--
AUG												
21...	1240	.83	2320	8.2	21.8	7.9	K42	K200	990	207	115	193
SEP												
27...	1300	.45	2420	8.3	17.6	14.4	250	380	1100	227	118	192

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
385104108213501 DEER CREEK BELOW WINDY CREEK, NEAR MOUTH (LAT 38 51 04N LONG 108 21 35W)											
FEB 2000											
07...	--	--	--	--	--	--	--	--	--	--	<.050
MAR											
21...	--	--	--	--	--	--	--	--	--	--	6.70
384942108224701 DOMINGUEZ CREEK NEAR MOUTH (LAT 38 49 42N LONG 108 22 47W)											
APR 1999											
29...	--	--	--	--	--	--	--	--	--	--	--
SEP											
08...	--	--	--	--	--	--	--	--	--	--	--
09152000 KANNAH CREEK NEAR WHITEWATER, CO. (LAT 38 57 42N LONG 108 13 47W)											
JUN 1999											
29...	--	--	--	--	--	--	--	--	--	--	--
JUL											
21...	--	--	--	--	--	--	--	--	--	--	--
NOV											
17...	--	--	--	--	--	--	--	--	--	--	--
MAR 2000											
21...	--	--	--	--	--	--	--	--	--	--	--
JUL											
25...	.2	.9	53	3.3	.4	<.1	16.0	72	.10	3.41	.081
AUG											
21...	.1	.9	46	2.4	.4	<.1	14.3	62	.08	3.61	--
SEP											
28...	.2	1.0	64	6.3	.8	<.1	18.9	91	.12	1.00	E.035
385600108250301 KANNAH CREEK ABOUT .1 MI BELOW INDIAN CREEK (LAT 38 56 00N LONG 108 25 03W)											
APR 1999											
29...	--	--	--	--	--	--	--	--	--	--	--
MAY											
27...	--	--	--	--	--	--	--	--	--	--	--
JUN											
29...	--	--	--	--	--	--	--	--	--	--	--
JUL											
21...	--	--	--	--	--	--	--	--	--	--	--
SEP											
08...	--	--	--	--	--	--	--	--	--	--	<.050
NOV											
17...	--	--	--	--	--	--	--	--	--	--	1.20
MAR 2000											
21...	--	--	--	--	--	--	--	--	--	--	1.07
AUG											
21...	3	5.2	218	1150	22.7	.5	21.0	1840	2.51	4.13	--
SEP											
27...	3	4.9	230	1190	20.8	.6	22.7	1910	2.60	2.32	.077

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
385824108274401 EAST CREEK AT HIGHWAY 141 BRIDGE,NR WHITEWATER (LAT 38 58 24N LONG 108 27 44W)												
APR 1999												
29...	1515	2.7	654	8.6	14.5	1.3	--	--	--	--	--	--
SEP												
08...	1240	.99	510	8.6	18.2	1.5	--	--	--	--	--	--
390053108181700 BRANDON DITCH NEAR WHITEWATER, CO (LAT 39 00 53N LONG 108 18 17W)												
JUN 1999												
29...	0925	.77	210	8.1	13.2	<1.0	--	--	--	--	--	--
JUL												
21...	1230	5.7	104	7.9	14.4	<1.0	--	--	--	--	--	--
NOV												
17...	0915	.26	176	8.4	3.9	<.7	--	--	--	--	--	--
MAR 2000												
21...	1120	.77	197	8.2	1.4	<.7	--	--	--	--	--	--
JUL												
25...	1140	3.9	89	7.8	17.4	<.7	46	35	37	9.52	3.21	2.4
AUG												
22...	1240	1.2	144	8.2	16.8	<.7	K25	K37	66	16.8	5.80	4.0
SEP												
28...	1110	.93	152	8.7	10.6	1.5	53	60	76	20.0	6.27	4.5
385839108264401 WHITEWATER CREEK 0.4 MI ABOVE MOUTH,AT WHITEWATER (LAT 38 58 39N LONG 108 26 44W)												
APR 1999												
29...	1310	7.3	2520	8.2	11.9	30.6	--	--	--	--	--	--
JUN												
29...	1030	6.9	1840	8.0	17.9	16.1	--	--	800	194	77.9	127
JUL												
21...	0915	8.6	1490	8.1	18.5	13.0	--	--	600	140	62.0	107
SEP												
08...	1125	6.2	1910	8.2	14.2	15.4	--	--	800	178	85.2	138
NOV												
17...	1125	3.6	2810	8.3	4.8	24.1	--	--	--	--	--	--
MAR 2000												
21...	1205	4.7	3970	8.2	4.0	48.0	--	--	--	--	--	--
JUL												
25...	1245	1.2	3100	8.1	20.9	41.4	460	420	1100	209	138	360
AUG												
22...	1036	1.5	3340	7.9	17.7	34.7	430	1200	1200	235	149	353
SEP												
27...	1215	1.3	3570	8.2	13.4	44.5	470	K500	1400	276	169	380
385855108285501 BANGS CANYON AT MOUTH, NEAR WHITEWATER (LAT 38 58 55N LONG 108 28 55W)												
APR 1999												
30...	0905	1.4	1010	8.4	9.2	<1.0	--	--	--	--	--	--

LOWER GUNNISON RIVER BASIN SELENIUM STUDY--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 1998 TO SEPTEMBER 2000

DATE	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
385824108274401 EAST CREEK AT HIGHWAY 141 BRIDGE,NR WHITEWATER (LAT 38 58 24N LONG 108 27 44W)											
APR 1999											
29...	--	--	--	--	--	--	--	--	--	--	--
SEP											
08...	--	--	--	--	--	--	--	--	--	--	--
390053108181700 BRANDON DITCH NEAR WHITEWATER, CO (LAT 39 00 53N LONG 108 18 17W)											
JUN 1999											
29...	--	--	--	--	--	--	--	--	--	--	--
JUL											
21...	--	--	--	--	--	--	--	--	--	--	--
NOV											
17...	--	--	--	--	--	--	--	--	--	--	--
MAR 2000											
21...	--	--	--	--	--	--	--	--	--	--	--
JUL											
25...	.2	.9	41	2.4	.6	<.1	14.0	58	.08	.61	.068
AUG											
22...	.2	1.1	73	3.8	.4	.1	24.7	100	.14	.32	--
SEP											
28...	.2	1.4	74	4.7	.7	.1	26.6	109	.15	.27	--
385839108264401 WHITEWATER CREEK 0.4 MI ABOVE MOUTH,AT WHITEWATER (LAT 38 58 39N LONG 108 26 44W)											
APR 1999											
29...	--	--	--	--	--	--	--	--	--	--	--
JUN											
29...	2	4.3	171	871	17.1	.6	19.2	1410	1.92	26.4	--
JUL											
21...	2	3.8	160	637	13.2	.4	18.5	1080	1.46	25.0	--
SEP											
08...	2	4.6	205	861	16.4	.5	19.9	1430	1.94	24.1	.570
NOV											
17...	--	--	--	--	--	--	--	--	--	--	1.69
MAR 2000											
21...	--	--	--	--	--	--	--	--	--	--	7.97
JUL											
25...	5	6.2	240	1550	42.0	.4	16.5	2480	3.37	8.10	2.63
AUG											
22...	4	6.3	243	1710	42.1	.6	19.3	2660	3.61	10.5	--
SEP											
27...	4	7.1	246	1870	42.3	.7	20.1	2920	3.98	10.3	2.55
385855108285501 BANGS CANYON AT MOUTH, NEAR WHITEWATER (LAT 38 58 55N LONG 108 28 55W)											
APR 1999											
30...	--	--	--	--	--	--	--	--	--	--	--

371127107484801 NB03400915BDD1 SIMON

LOCATION.--Lat 37°11'27", long 107°48'48", in SE 1/4 NW 1/4 sec.15, T.34 N., R.9 W., La Plata County, Hydrologic Unit 14080104, 0.5 mi southwest of Pastorius Reservoir, 7.5 mi southeast of Durango, Colo.

AQUIFER.--Animas Formation of Paleocene-Upper Cretaceous age. Aquifer code: 125ANMS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 3 in., depth 300 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 6,845 ft above sea level, from topographic map. Measuring point: screw in recorder shelf above well casing, 3.00 ft above land-surface datum.

REMARKS.--Daily record is good.

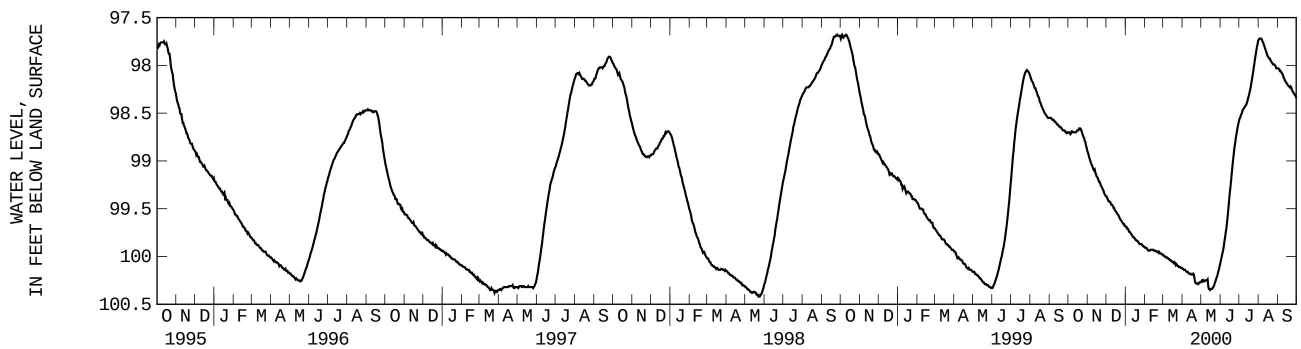
PERIOD OF RECORD.--June 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level 97.66 ft below land-surface datum, Sept. 25, 1998; lowest, 100.43 ft below land-surface datum, Mar. 22-24, 1998.

EXTREMES FOR CURRENT YEAR.--Highest water level 97.71 ft below land-surface datum, Aug. 2, 3; lowest, 100.36 ft below land-surface datum, May 18.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98.70	98.91	99.37	99.69	99.91	99.99	100.13	100.26	100.05	98.56	97.73	98.03
2	98.70	98.93	99.39	99.69	99.91	99.99	100.13	100.25	100.02	98.55	97.72	98.04
3	98.71	98.96	99.40	99.71	99.91	100.00	100.14	100.26	99.99	98.53	97.72	98.04
4	98.72	98.98	99.42	99.71	99.92	100.00	100.14	100.25	99.96	98.51	97.72	98.06
5	98.71	99.00	99.42	99.72	99.93	100.01	100.14	100.26	99.93	98.50	97.72	98.06
6	98.69	99.02	99.43	99.74	99.94	100.01	100.15	100.26	99.89	98.47	97.73	98.07
7	98.69	99.04	99.43	99.74	99.94	100.01	100.16	100.25	99.84	98.46	97.75	98.08
8	98.70	99.05	99.45	99.75	99.94	100.02	100.16	100.25	99.80	98.45	97.76	98.09
9	98.70	99.07	99.46	99.76	99.93	100.02	100.16	100.25	99.75	98.44	97.78	98.11
10	98.70	99.09	99.46	99.77	99.93	100.03	100.17	100.25	99.71	98.43	97.80	98.13
11	98.70	99.10	99.47	99.78	99.93	100.03	100.18	100.24	99.65	98.42	97.82	98.14
12	98.70	99.09	99.49	99.79	99.93	100.04	100.18	100.31	99.59	98.41	97.84	98.16
13	98.70	99.12	99.49	99.80	99.93	100.04	100.18	100.34	99.52	98.39	97.86	98.17
14	98.69	99.14	99.51	99.80	99.93	100.05	100.18	100.34	99.45	98.37	97.88	98.18
15	98.68	99.16	99.52	99.81	99.94	100.05	100.19	100.35	99.37	98.34	97.90	98.19
16	98.68	99.17	99.53	99.82	99.94	100.06	100.19	100.34	99.31	98.32	97.91	98.20
17	98.68	99.18	99.54	99.83	99.94	100.06	100.19	100.34	99.25	98.29	97.92	98.21
18	98.66	99.20	99.55	99.83	99.94	100.07	100.18	100.34	99.18	98.26	97.93	98.22
19	98.66	99.22	99.56	99.84	99.95	100.06	100.19	100.33	99.11	98.23	97.93	98.22
20	98.66	99.22	99.57	99.84	99.95	100.07	100.23	100.32	99.04	98.19	97.95	98.23
21	98.67	99.24	99.58	99.85	99.95	100.09	100.27	100.31	98.98	98.15	97.96	98.22
22	98.69	99.26	99.60	99.86	99.96	100.08	100.28	100.29	98.92	98.11	97.97	98.23
23	98.71	99.27	99.61	99.87	99.95	100.09	100.28	100.27	98.86	98.07	97.98	98.25
24	98.73	99.28	99.62	99.87	99.96	100.10	100.28	100.25	98.82	98.02	97.99	98.27
25	98.75	99.30	99.63	99.87	99.97	100.10	100.29	100.23	98.77	97.98	97.99	98.28
26	98.76	99.31	99.64	99.87	99.97	100.11	100.29	100.21	98.73	97.93	97.99	98.29
27	98.79	99.33	99.65	99.88	99.97	100.11	100.28	100.19	98.69	97.89	98.00	98.30
28	98.80	99.35	99.66	99.89	99.98	100.11	100.27	100.16	98.65	97.85	98.01	98.31
29	98.84	99.36	99.66	99.89	99.98	100.12	100.27	100.14	98.62	97.81	98.03	98.32
30	98.86	99.37	99.68	99.90	---	100.12	100.27	100.11	98.59	97.78	98.03	98.34
31	98.89	---	99.68	99.90	---	100.12	---	100.08	---	97.74	98.03	---
MEAN	98.72	99.16	99.53	99.81	99.94	100.06	100.20	100.26	99.33	98.24	97.88	98.18
MAX	98.89	99.37	99.68	99.90	99.98	100.12	100.29	100.35	100.05	98.56	98.03	98.34
MIN	98.66	98.91	99.37	99.69	99.91	99.99	100.13	100.08	98.59	97.74	97.72	98.03



371422107473301 NB03400807BBA1 ROYCE

LOCATION.--Lat 37°14'22", long 107°47'33", in NW 1/4 NW 1/4 sec.7, T.34 N., R.8 W., La Plata County, Hydrologic Unit 14080104, 0.5 mi north of the Florida Mesa School, 7.0 mi southeast of Durango, Colo.

AQUIFER.--Animas Formation of Paleocene-Upper Cretaceous age. Aquifer code: 125ANMS.

WELL CHARACTERISTICS.--Drilled, unused well, diameter 3 in., depth 110 ft.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface datum is 7,000 ft above sea level, from topographic map. Measuring point: screw in recorder shelf above well casing, 3.00 ft above land-surface datum.

REMARKS.--Daily record is good.

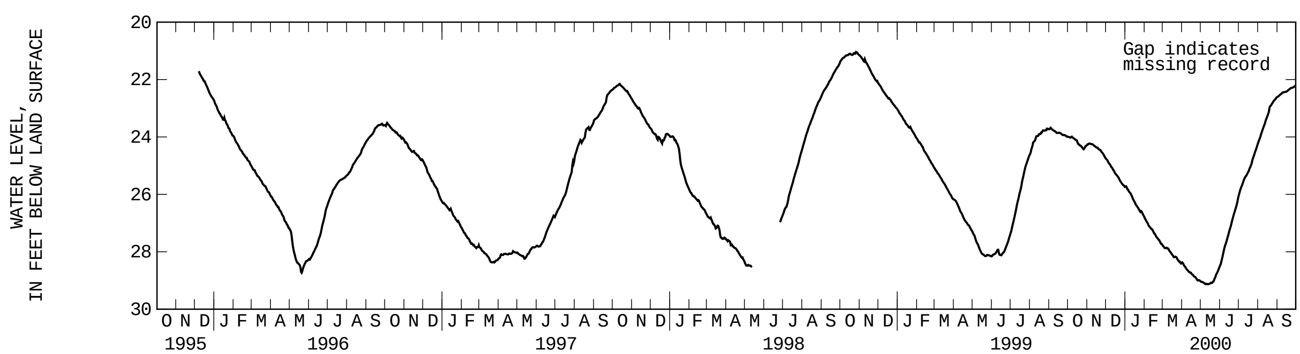
PERIOD OF RECORD.--June 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level 21.03 ft below land-surface datum, Oct. 26, 1998; lowest, 29.15 ft below land-surface datum, May 12, 2000.

EXTREMES FOR CURRENT YEAR.--Highest water level 22.19 ft below land-surface datum, Sep. 30; lowest, 29.15 ft below land-surface datum, May 12.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.99	24.26	24.76	25.73	26.83	27.79	28.37	29.04	28.47	26.01	24.19	22.60
2	24.00	24.26	24.79	25.72	26.87	27.81	28.39	29.05	28.41	25.93	24.13	22.59
3	24.01	24.24	24.81	25.76	26.91	27.85	28.43	29.05	28.32	25.85	24.07	22.57
4	24.02	24.23	24.86	25.82	26.95	27.87	28.48	29.06	28.23	25.79	24.02	22.55
5	24.02	24.23	24.90	25.83	26.98	27.87	28.51	29.07	28.13	25.73	23.94	22.53
6	24.00	24.24	24.93	25.88	27.02	27.87	28.53	29.09	28.03	25.68	23.87	22.51
7	23.99	24.25	24.95	25.91	27.08	27.86	28.57	29.11	27.93	25.62	23.81	22.50
8	24.02	24.25	24.99	25.94	27.11	27.88	28.61	29.11	27.84	25.55	23.74	22.47
9	24.03	24.25	25.04	25.96	27.14	27.88	28.63	29.13	27.77	25.49	23.68	22.45
10	24.05	24.27	25.06	26.00	27.16	27.91	28.65	29.12	27.71	25.44	23.62	22.45
11	24.06	24.29	25.09	26.05	27.19	27.95	28.68	29.12	27.64	25.40	23.57	22.44
12	24.08	24.31	25.14	26.10	27.21	27.98	28.70	29.13	27.56	25.37	23.50	22.44
13	24.10	24.32	25.16	26.16	27.22	28.01	28.72	29.13	27.48	25.34	23.42	22.43
14	24.11	24.34	25.20	26.20	27.27	28.04	28.72	29.12	27.41	25.30	23.36	22.43
15	24.12	24.36	25.25	26.24	27.31	28.07	28.73	29.11	27.32	25.25	23.31	22.42
16	24.18	24.37	25.28	26.28	27.36	28.10	28.77	29.10	27.24	25.21	23.25	22.41
17	24.24	24.37	25.31	26.33	27.37	28.13	28.79	29.08	27.17	25.17	23.19	22.39
18	24.25	24.39	25.33	26.37	27.41	28.17	28.80	29.09	27.10	25.10	23.12	22.37
19	24.28	24.43	25.36	26.40	27.46	28.19	28.83	29.08	27.01	25.06	22.98	22.35
20	24.29	24.44	25.39	26.43	27.49	28.18	28.86	29.05	26.92	25.00	22.93	22.34
21	24.31	24.45	25.42	26.46	27.52	28.17	28.87	29.04	26.84	24.95	22.91	22.32
22	24.32	24.46	25.47	26.50	27.54	28.18	28.88	28.99	26.76	24.86	22.88	22.30
23	24.35	24.50	25.51	26.54	27.58	28.20	28.91	28.93	26.68	24.77	22.84	22.29
24	24.38	24.53	25.55	26.58	27.59	28.25	28.94	28.89	26.61	24.71	22.81	22.29
25	24.41	24.56	25.58	26.61	27.63	28.28	28.98	28.82	26.54	24.65	22.77	22.28
26	24.43	24.58	25.61	26.58	27.68	28.31	29.00	28.77	26.47	24.58	22.74	22.27
27	24.40	24.62	25.64	26.60	27.72	28.34	28.99	28.73	26.39	24.51	22.72	22.26
28	24.36	24.66	25.67	26.65	27.72	28.34	28.99	28.69	26.31	24.46	22.69	22.24
29	24.32	24.70	25.68	26.69	27.76	28.38	29.00	28.63	26.20	24.39	22.67	22.22
30	24.31	24.74	25.71	26.74	---	28.41	29.02	28.57	26.09	24.33	22.63	22.21
31	24.29	---	25.74	26.77	---	28.40	---	28.52	---	24.25	22.61	---
MEAN	24.18	24.40	25.26	26.25	27.31	28.09	28.74	28.98	27.29	25.15	23.29	22.40
MAX	24.43	24.74	25.74	26.77	27.76	28.41	29.02	29.13	28.47	26.01	24.19	22.60
MIN	23.99	24.23	24.76	25.72	26.83	27.79	28.37	28.52	26.09	24.25	22.61	22.21



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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^{0}	kilometer
	Area	
acre	4.047×10^{3}	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi^2)	2.590×10^{0}	square kilometer
	Volume	
gallon (gal)	3.785×10^{0}	liter
	3.785×10^{0}	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^{3}	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft^3)	2.832×10^{1}	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^{3}	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second
	2.832×10^{1}	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^{1}	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
	Mass	
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report “sea level” refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.