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Water Resources Data Colorado Water Year 2001

Volume 2. Colorado River Basin

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

Water-Data Report CO–01–2

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

UNITED STATES DEPARTMENT OF THE INTERIOR

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2002

CALENDAR FOR WATER YEAR 2001

2000

OCTOBER

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2001

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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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Water-resources data for Colorado for the 2001 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 313 gaging stations, stage and contents of 16 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 125 gaging stations and for 10 lakes and reservoirs, supplemental water-quality for 181 gaged sites; water-quality for 77 miscellaneous sites and 14 observation wells; water levels for 3 observation wells, and meteorological data for 55 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.

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CONTENTS

ILLUSTRATIONS

NOTE.--Data for partial-record stations and miscellaneous sites for both surface-water discharge and quality are published in separate 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.)

HYDROLOGIC STATIONS FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

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VOLUME 2: COLORADO RIVER BASIN

By R.M. Crowfoot, 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 164 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 71 surface-water stations, 5 reservoirs, 40 miscellaneous sites, and miscellaneous surface-water-quality data for 105 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-01-2**." 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.

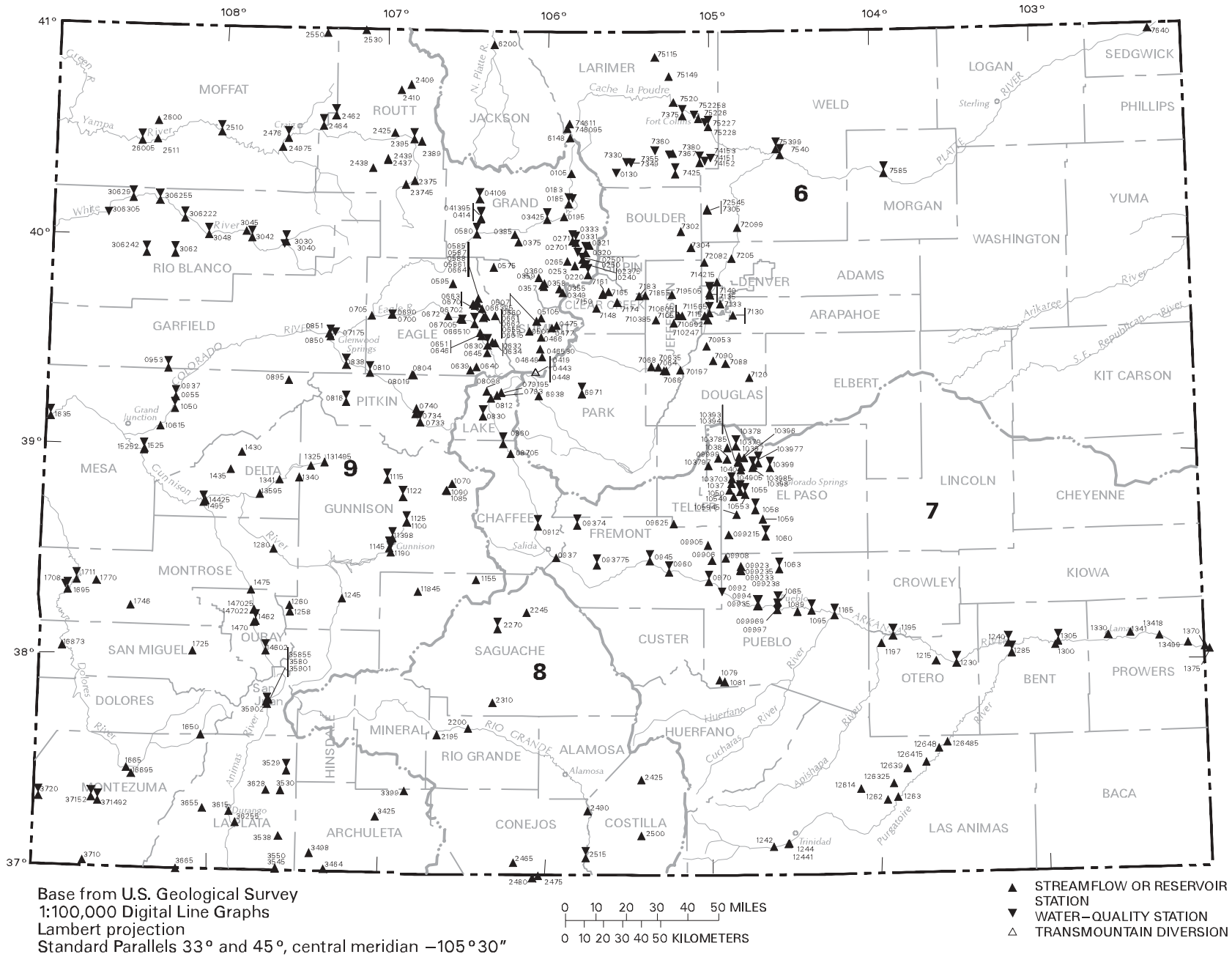


Figure 1.--Map showing locations of lake and surface-water stations and surface-water-quality stations in Colorado.

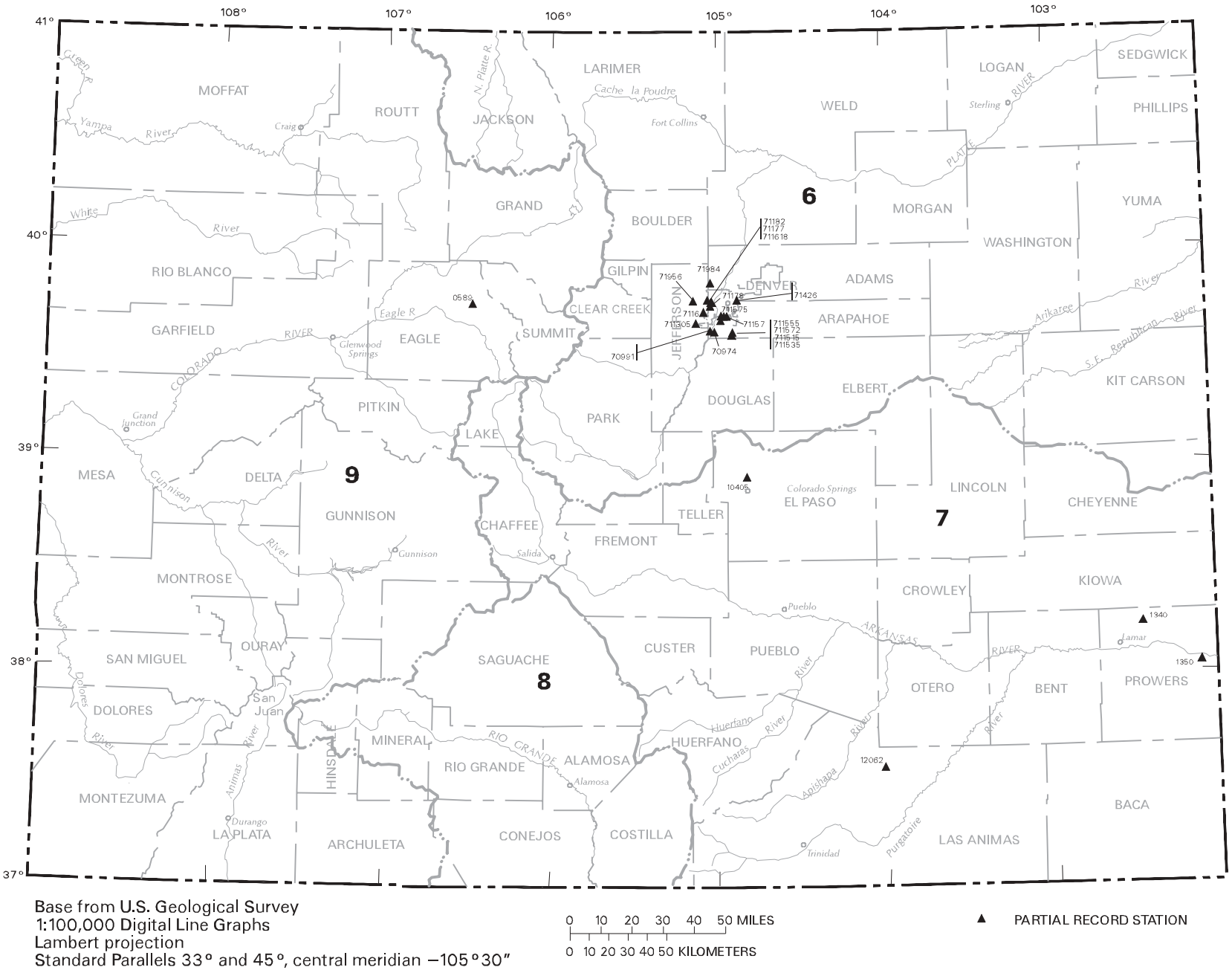


Figure 2.--Map showing locations of crest-stage partial-record stations in Colorado.

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 **2001 water year** are:

Arapahoe County Water and Wastewater Authority.
Arkansas River Compact Administration.
Centennial Water and Sanitation District..
Cherokee Metropolitan District.
City and County of Denver, Board of Water Commissioners.
City of Aurora.
City of Black Hawk.
City of Boulder.
City and County of Broomfield.
City of Colorado Springs.
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.
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 Commissioners.
Mount Crested Butte Water and Sanitation District.
North Front Range Water Quality Planning Association.
Northern Colorado Water Conservancy District.
Northwest Colorado Council of Governments.
Plum Creek Wastewater Authority.
Pueblo Board of Water Works.
Pueblo County.
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 Eagle.
Town of Gypsum.
Town of Hotchkiss.
Town of Meeker.
Town of Paonia.
Town of Rangely.
Town of Red Cliff.
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.
Western State College of Colorado.
Wyoming State Engineer.
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 streamflow 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 2001 water year that began on October 1, 2000, and ended September 30, 2001. 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.

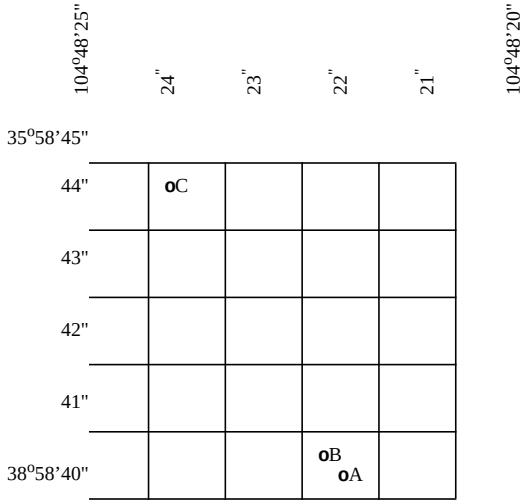
Downstream Order System

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).



Coordinates for site A 385840N104482101
B 385840N104482102
C 385844N104482300

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 continuing-record station 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 partial-record station 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 miscellaneous 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; Book 9, Chap. A1-A9. 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.

Miscellaneous Water-Quality Data

Miscellaneous water-quality data refers to measurements of water temperature and specific conductance that are made in streams concurrently with discharge measurements. Miscellaneous water-quality measurements typically are made at an individual point in a stream cross section. If the stream is well mixed and its chemistry is relatively uniform, a single point measurement may be sufficient to represent the stream cross section. Point measurements of water temperature and specific conductance in streams that are not well mixed may not be representative of the cross section.

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 in the U.S. Geological Survey's distributed data system, NWIS, and subsequently to its web-based National data system, NWISWeb [http://water.usgs.gov/nwis/nwis]. 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 NWIS or NWISWeb to ensure the most recent updates. Updates to NWISWeb are currently made on an annual basis.

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

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

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Terms such as algae, water level, precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. 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 a unit of volume, commonly used to measure quantities of water used or stored, equivalent to the volume of water required to cover 1 acre to a depth of 1 foot and equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters. (See also "Annual runoff")

Adenosine triphosphate (ATP) is an organic, phosphate-rich, compound important in the transfer of energy in organisms. Its central role in living cells makes ATP 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.

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 is the capacity of solutes in an aqueous system to neutralize acid. This term designates titration of a "filtered" sample.

Annual runoff is the total quantity of water that is discharged ("runs off") from a drainage basin in a year. Data reports may present annual runoff data as volumes in acre-feet, as discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches.

Annual 7-day minimum is the lowest mean value for any 7-consecutive-day period in a year. Annual 7-day minimum values are reported herein for the calendar year and the water year (October 1 to September 30). Most low-flow frequency analyses use a climatic year (April 1-March 31), which tends to prevent the low-flow period from being artificially split between adjacent years. 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.)

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.

Artificial substrate is a device that 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. (See also "Substrate")

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/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2). (See also "Biomass")

Bacteria are microscopic unicellular organisims, 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.

Base discharge (for peak discharge) is a discharge value, determined for selected stations, above which peak discharge data are published. The base discharge at each station is selected so that an average of about three peaks per year will be published.

Base flow is sustained flow of a stream in the absence of direct runoff. It includes natural and human-induced streamflows. Natural base flow is sustained largely by ground-water discharge.

Bedload is material in transport that is supported primarily by the streambed. In this report, bedload is considered to consist of particles in transit from the bed to an elevation equal to the top of the bedload sampler nozzle (ranging from 0.25 to 0.5 ft) that are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler may also contain a component of the suspended load.

Bedload discharge (tons per day) is rate of sediment moving as bedload, reported as dry weight, that passes through a cross section in a given time. NOTE: Bedload discharge values in this report may include a component of the suspended-sediment discharge. A correction may be necessary when computing the total sediment discharge by summing the bedload discharge and the suspended-sediment discharge. (See also "Bedload" and "Sediment")

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed. (See also "Bedload" and "Sediment")

Benthic organisms are the group of organisms 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.

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

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. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

Bottom material (See "Bed material")

Cells/volume refers to the number of cells of any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample volume, and are generally reported as cells or units per milliliter (mL) or liter (L).

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 (μm^3) 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:

$$\text{sphere } 4/3\ \pi r^3 \quad \text{cone } 1/3\ \pi r^3 h \quad \text{cylinder } \pi r^3 h.$$

pi is the ratio of the circumference to the diameter of a circle; pi = 3.14159…

From cell volume, total algal biomass expressed as biovolume (μm^3/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.

Cfs-day (See "Cubic foot per second-day")

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. [See also "Biochemical oxygen demand (BOD)"]

Clostridium perfringens *(C. perfringens)* is a spore-forming bacterium that is common in the feces of human and other warm-blooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination and presence of microorganisms that are resistant to disinfection and environmental stresses. (See also "Bacteria")

Coliphages are viruses that infect and replicate in coliform bacteria. They are indicative of sewage contamination of waters and of the survival and transport of viruses in the environment.

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 where data are collected with sufficient frequency to define daily mean values and variations within a day.

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 gage. 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, ft^3/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 or approximately 449 gallons per minute, or 0.02832 cubic meters per second. The term "second-feet" sometimes is used synonymously with "cubic feet per second" but is now obsolete.

Cubic foot per second-day (CFS-DAY, Cfs-day, [(ft^3/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, 1.98347 acre-feet, 646,317 gallons, or 2,446.6 cubic meters. The daily-mean discharges reported in the daily-value data tables are numerically equal to the daily volumes in cfs-days, and the totals also represent volumes in cfs-days.

Cubic foot per second per square mile [CFSM, (ft^3/s)/mi^2] 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. (See also "Annual runoff")

Daily mean suspended-sediment concentration is the time-weighted concentration of suspended sediment passing a stream cross section during a 24-hour day. (See also "Mean concentration of suspended sediment," "Sediment," and "Suspended-sediment concentration")

Daily-record station is a site where data are collected with sufficient frequency to develop a record of one or more data values per day. The frequency of data collection can range from continuous recording to periodic sample or data collection on a daily or near-daily basis.

Data Collection Platform (DCP) is an electronic instrument that collects, processes, and stores data from various sensors, and transmits the data by satellite data relay, line-of-sight radio, and/or landline telemetry.

Data logger is a microprocessor-based data acquisition system designed specifically to acquire, process, and store data. Data are usually downloaded from onsite data loggers for entry into office data systems.

Datum is a surface or point relative to which measurements of height and/or horizontal position are reported. A vertical datum is a horizontal surface used as the zero point for measurements of gage height, stage, or elevation; a horizontal datum is a reference for positions given in terms of latitude-longitude, State Plane coordinates, or UTM coordinates. (See also "Gage datum," "Land-surface datum," "National Geodetic Vertical Datum of 1929," and "North American Vertical Datum of 1988")

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. (See also “Phytoplankton”)

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

Discharge, or flow, is the rate that matter passes through a cross section of a stream channel or other water body per unit of time. The term commonly refers to the volume of water (including, unless otherwise stated, any sediments or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, etc., within a given period of time (cubic feet per second). Discharge also can apply to the rate at which constituents such as suspended sediment, bedload, and dissolved or suspended chemical constituents, pass through a cross section, in which cases the quantity is expressed as the mass of constituent that passes the cross section in a given period of time (tons per day).

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 and State agencies that collect water-quality data. Determinations of “dissolved” constituent concentrations are made on sample water that has been filtered.

Dissolved oxygen (DO) is the molecular oxygen (oxygen gas) dissolved in water. The concentration in water 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 concentration. Photosynthesis and respiration by plants commonly cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved-solids concentration in water is the quantity of dissolved material in a sample of water. It 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 the analytical determination, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L $CaCO_3$) can be converted to carbonate concentration by multiplying by 0.60.

Diversity index (H) (Shannon Index) is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

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

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. 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 stream at a specific location is that area upstream from the location, measured in a horizontal plane, that has a common outlet at the site for its surface runoff from precipitation that normally drains by gravity into a stream. Drainage areas 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 contains a drainage system with a common outlet for its surface runoff. (See “Drainage area”)

Dry mass refers to the mass of residue present after drying in an oven at 105 °C, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as ash mass. (See also “Ash mass,” “Biomass,” and “Wet mass”)

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. (See also “Wet weight”)

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. (See also “Bacteria”)

EPT Index is the total number of distinct taxa within the insect orders Ephemeroptera, Plecoptera, and Trichoptera. This index summarizes the taxa richness within the aquatic insects that are generally considered pollution sensitive, the index usually decreases with pollution.

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. (See also “Bacteria”)

Estimated (E) value of a concentration is reported when an analyte is detected and all criteria for a positive result are met. If the concentration is less than the method detection limit (MDL), an ‘E’ code will be reported with the value. If the analyte is qualitatively identified as present, but the quantitative determination is substantially more uncertain, the National Water Quality Laboratory will identify the result with an ‘E’ code even though the measured value is greater than the MDL. A value reported with an ‘E’ code should be used with caution. When no analyte is detected in a sample, the default reporting value is the MDL preceded by a less than sign (<).

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. (See also “Phytoplankton”)

Extractable organic halides (EOX) are organic compounds that contain halogen atoms such as chlorine. These organic compounds are semi-volatile and extractable by ethyl acetate from air-dried streambed sediments. The ethyl acetate extract is combusted, and the concentration is determined by microcoulometric determination of the halides formed. The concentration is reported as micrograms of chlorine per gram of the dry weight of the streambed sediments.

Fecal coliform bacteria 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. (See also "Bacteria")

Fecal streptococcal bacteria are present in the intestine of warm-blooded animals and are ubiquitous in the environment. 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. (See also "Bacteria")

Fire algae (*Pyrrhophyta*) are free-swimming unicells characterized by a red pigment spot. (See also "Phytoplankton")

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 a horizontal surface used as a zero point for measurement of stage or gage height. This surface usually is located slightly below the lowest point of the stream bottom such that the gage height is usually slightly larger than the maximum depth of water. Because the gage datum itself is not an actual physical object, the datum usually is defined by specifying the elevations of permanent reference marks such as bridge abutments and survey monuments, and the gage is set to agree with the reference marks. Gage datum is a local datum that is maintained independently of any National geodetic datum. However, if the elevation of the gage datum relative to the National datum (North American Vertical Datum of 1988 or National Geodetic Vertical Datum of 1929) has been determined, then the gage readings can be converted to elevations above the National datum by adding the elevation of the gage datum to the gage reading.

Gage height (G.H.) is the water-surface elevation, in feet above the gage datum. If the water surface is below the gage datum, the gage height is negative. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used in reference to a reading on a gage.

Gage values are values that are recorded, transmitted and/or computed from a gaging station. Gage values typically are collected at 5-, 15-, or 30-minute intervals.

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.

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. (See also "Phytoplankton")

Habitat quality index is the qualitative description (level 1) of instream habitat and riparian conditions surrounding the reach sampled. Scores range from 0 to 100 percent with higher scores indicative of desirable habitat conditions for aquatic life. Index only applicable to wadable streams.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations (primarily calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate ($CaCO_3$).

High tide is the maximum height reached by each rising tide. The high-high and low-high tides are the higher and lower of the two high tides, respectively, of each tidal day. *See NOAA web site: http://www.co-ops.nos.noaa.gov/tideglos.html*

Hilsenhoff's Biotic Index (HBI) is an indicator of organic pollution which uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

$$HBI = sum \frac{(n)(a)}{N}$$

where *n* is the number of individuals of each taxon, a is the tolerance value of each taxon, and *N* is the total number of organisms in the sample.

Horizontal datum (See "Datum")

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 index stations referred to in this report are four continuous-record gaging stations that have been selected as representative of streamflow patterns for their respective regions. Station locations are shown on index maps.

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 USGS. Each hydrologic unit is identified by an 8-digit number.

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. (See also "Annual runoff")

Instantaneous discharge is the discharge at a particular instant of time. (See also "Discharge")

Laboratory Reporting Level (LRL) is generally equal to twice the yearly determined long-term method detection level (LT-MDL). The LRL controls false negative error. The probability of falsely reporting a non-detection for a sample that contained an analyte at a concentration equal to or greater than the LRL is predicted to be less than or equal to 1 percent. The value of the LRL will be reported with a "less than" (<) remark code for samples in which the analyte was not detected. The National Water Quality Laboratory collects quality-control data from selected analytical methods on a continuing basis to determine LT-MDLs and to establish LRLs. These values are reevaluated annually based on the most current quality-control data and may, therefore, change. [Note: In several previous NWQL documents (Connor and others, 1998; NWQL Technical Memorandum 98.07, 1998), the LRL was called the non-detection value or NDV—a term that is no longer used.)

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

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

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

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

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.

Long-Term Method Detection Level (LT–MDL) is a detection level derived by determining the standard deviation of a minimum of 24 method detection limit (MDL) spike sample measurements over an extended period of time. LT–MDL data are collected on a continuous basis to assess year-to-year variations in the LT–MDL. The LT–MDL controls false positive error. The chance of falsely reporting a concentration at or greater than the LT–MDL for a sample that did not contain the analyte is predicted to be less than or equal to 1 percent.

Low tide is the minimum height reached by each falling tide. The high-low and low-low tides are the higher and lower of the two low tides, respectively, of each tidal day. *See NOAA web site: http://www.co-ops.nos.noaa.gov/tideglos.html*

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.

Mean concentration of suspended sediment (Daily mean suspended-sediment concentration) is the time-weighted concentration of suspended sediment passing a stream cross section during a given time period. (See also “Daily mean suspended-sediment concentration” and “Suspended-sediment concentration”)

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period. (See also “Discharge”)

Mean high or low tide is the average of all high or low tides, respectively, over a specific period.

Mean sea level is a local tidal datum. It is the arithmetic mean of hourly heights observed over the National Tidal Datum Epoch. Shorter series are specified in the name; for example, monthly mean sea level and yearly mean sea level. In order that they may be recovered when needed, such datums are referenced to fixed points known as benchmarks. (See also “Datum”)

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.

Method Detection Limit (MDL) is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the analyte concentration is greater than zero. It is determined from the analysis of a sample in a given matrix containing the analyte. At the MDL concentration, the risk of a false positive is predicted to be less than or equal to 1 percent.

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, µg/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, µg/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, µg/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. One microgram per liter is equivalent to 1 part per billion.

Microsiemens per centimeter (US/CM, µS/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.

Minimum Reporting Level (MRL) is the smallest measured concentration of a constituent that may be reliably reported by using a given analytical method (Timme, 1995).

Miscellaneous site, miscellaneous station, or miscellaneous sampling site is a site where streamflow, sediment, and/or water-quality data or water-quality or sediment samples are collected once, or more often on a random or discontinuous basis to provide better areal coverage for defining hydrologic and water-quality conditions over a broad area in a river basin.

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 fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It was formerly called "Sea Level Datum of 1929" or "mean sea level." Although the datum was derived from the mean sea level at 26 tide stations**,** 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* (See "North American Vertical Datum of 1988")

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

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.

North American Vertical Datum of 1988 (NAVD 1988) is a fixed reference adopted as the official civilian vertical datum for elevations determined by Federal surveying and mapping activities in the U.S. This datum was established in 1991 by minimum-constraint adjustment of the Canadian**,** Mexican, and U.S. first-order terrestrial leveling networks.

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), particulate organic carbon (POC), or total organic carbon (TOC).

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. (See also "Ash mass," "Biomass," and "Dry mass")

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 (m^2), 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.

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 USGS 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, as 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.

Peak flow (peak stage) is an instantaneous local maximum value in the continuous time series of streamflows or stages, preceded by a period of increasing values and followed by a period of decreasing values. Several peak values ordinarily occur in a year. The maximum peak value in a year is called the annual peak; peaks lower than the annual peak are called secondary peaks. Occasionally, the annual peak may not be the maximum value for the year; in such cases, the maximum value occurs at midnight at the beginning or end of the year, on the recession from or rise toward a higher peak in the adjoining year. If values are recorded at a discrete series of times, the peak recorded value may be taken as an approximation to the true peak, which may occur between the recording instants. If the values are recorded with finite precision, a sequence of equal recorded values may occur at the peak; in this case, the first value is taken as the peak.

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, mass, or volume.

Percent shading is determined by using a clinometer to estimate left and right bank shading. The values are added together and divided by 180 to determine percent shading relative to a horizontal surface.

Periodic-record station is a site where stage, discharge, sediment, chemical, physical, 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.

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. (See also “Plankton”)

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (Ci). A curie is the quantity of radioactive nuclide that yields 3.7×10^{10} radioactive disintegrations per second (dps). A picocurie yields 0.037 dps, or 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).

Polychlorinated biphenyls (PCBs) 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 (PCNs) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCBs) 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/(m^2/time)] for periphyton and macrophytes or per volume [mg C/(m^3/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. (See also “Primary productivity”)

Primary productivity (oxygen method) is expressed as milligrams of oxygen per area per unit time [mg O/(m^2/time)] for periphyton and macrophytes or per volume [mg O/(m^3/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. (See also “Primary productivity”)

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 bed (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. (See also “Bed material”)

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 ($7Q_{10}$) 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 $7Q_{10}$ 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 $7Q_{10}$.

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

Return period (See "Recurrence interval")

River mileage is the curvilinear distance, in miles, measured upstream from the mouth along the meandering path of a stream channel in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council, and typically used to denote location along a river.

Runoff is the quantity of water that is discharged ("runs off") from a drainage basin in a given time period. Runoff data may be presented as volumes in acre-feet, as mean discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches. (See also "Annual runoff")

Sea level, as used in this report, refers to one of the two commonly used national vertical datums, (NGVD 1929 or NAVD 1988). See separate entries for definitions of these datums. See conversion of units page (inside back cover) for identification of the datum used in this report.

Sediment is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as "fluvial sediment." Sediment 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 and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

Seven-day 10-year low flow (7Q10) is the discharge below which the annual 7-day minimum flow falls in 1 year out of 10 on the long-run average. The recurrence interval of the 7Q10 is 10 years; the chance that the annual 7-day minimum flow will be less than the 7Q10 is 10 percent in any given year. (See also "Recurrence interval" and "Annual 7-day minimum")

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. Sodium hazard in water is an index that can be used to evaluate the suitability of water for irrigating crops.

Specific electrical conductance (conductivity) is a measure of the capacity of water (or other media) to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific electrical conductance is a function of the types and quantity of dissolved substances in water 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 MIL/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.

Substrate Embeddedness Class is a visual estimate of riffle streambed substrate larger than gravel that is surrounded or covered by fine sediment (<2mm, sand or finer). Below are the class categories expressed as percent covered by fine sediment:

0	< no gravel or larger substrate		
1	> 75%		
2	51-75%	4	5-25%
3	26-50%	5	< 5%

Surface area of a lake is that area (acres) encompassed by the boundary of the lake as shown on USGS topographic maps, or other available maps or photographs. Because surface area changes with lake stage, surface areas listed in this report represent those determined for the stage at the time the maps or photographs were obtained.

Surficial bed material is the upper surface (0.1 to 0.2 ft) of the bed material such as that material which 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 operationally defined as 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 water-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 directly analyzing the suspended material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent. (See also "Suspended")

Suspended sediment is the sediment maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid. (See also "Sediment")

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 analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration. (See also "Sediment" and "Suspended sediment")

Suspended-sediment discharge (tons/day) is the rate of sediment transport, as measured by dry mass or volume, 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 (ft^3/s) x 0.0027. (See also “Sediment,” “Suspended sediment,” and “Suspended-sediment concentration”)

Suspended-sediment load is a general term that refers to a given characteristic of the material in suspension that passes a point during a specified period of time. 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. (See also “Sediment”)

Suspended, total is the total amount of a given constituent in the part of a water-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 directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent. (See also “Suspended”)

Suspended solids, total residue at 105 ˚C concentration is the concentration of inorganic and organic material retained on a filter, expressed as milligrams of dry material per liter of water (mg/L). An aliquot of the sample is used for this analysis.

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.

Taxa richness is the total number of distinct species or groups and usually decreases with pollution. (See also “Percent Shading”)

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical 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*

Temperature preferences:

Cold **–** preferred water temperature for the species is less than 20 ˚C or spawning temperature preference less than 16 ˚C and native distribution is considered to be predominantly north of 45˚ N. latitude.

Warm – preferred water temperatures for the species is greater than 20 ˚C or spawning temperature preference greater than 16 ˚C and native distribution is considered to be predominantly south of 45˚ N. latitude.

Cool – intermediate between cold and warm water temperature preferences.

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term “temperature recorder’ is used in the table descriptions and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

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 resulting from the mixing of flow proportionally to the duration of the concentration.

Tons per acre-foot (T/acre-ft) is the dry mass (tons) of a constituent per unit volume (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 a common chemical or sediment discharge unit. It is the quantity of a substance in solution, in suspension, or as bedload that passes a stream section during a 24-hour period. It is equivalent to 2,000 pounds per day, or 0.9072 metric tons per day.

Total is the amount of a given constituent in a representative whole-water (unfiltered) 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 water-suspended sediment mixture and that the analytical method determined at least 95 percent of the constituent in the sample.)

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. (See also “Bacteria”)

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 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 organism count is the number of organisms collected and enumerated in any particular sample. (See also "Organism count/volume.")

Total recoverable is the amount of a given constituent in a whole-water sample after a 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 for whole-water samples, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures may produce different analytical results.

Total sediment discharge is the mass of suspended-sediment plus bed-load transport, measured as dry weight, that passes a cross section in a given time. It is a rate and is reported as tons per day. (See also "Sediment," "Suspended sediment," "Suspended-Sediment Concentration," "Bedload," and "Bedload discharge")

Total sediment load or total load is the sediment in transport as bedload and suspended-sediment load. The term may be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It differs from total sediment discharge in that load refers to the material whereas discharge refers to the quantity of material, expressed in units of mass per unit time. (See also "Sediment," "Suspended-Sediment Load," and "Total load")

Trophic group:

Filter feeder – diet composed of suspended plant and/or animal material.

Herbivore – diet composed predominantly of plant material.

Invertivore – diet composed predominantly of invertebrates.

Omnivore – diet composed of at least 25-percent plant and 25-percent animal material.

Piscivore – diet composed predominantly of fish.

Turbidity is the reduction in the transparency of a solution due to the presence of suspended and some dissolved substances. The measurement technique records the collective optical properties of the solution that cause light to be scattered and attenuated rather than transmitted in straight lines; the higher the intensity of scattered or attenuated light, the higher the value of the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU). Depending on the method used, the turbidity units as NTU can be defined as the intensity of light of a specified wavelength scattered or attenuated by suspended particles or absorbed at a method specified angle, usually 90 degrees, from the path of the incident light. Currently approved methods for the measurement of turbidity in the USGS include those that conform to EPA Method 180.1, ASTM D1889-00, and ISO 7027. Measurements of turbidity by these different methods and different instruments are unlikely to yield equivalent values. Consequently, the method of measurement and type of instrument used to derive turbidity records should be included in the "REMARKS" column of the Annual Data Report.

Ultraviolet (UV) absorbance (absorption) at 254 or 280 nanometers is a measure of the aggregate concentration of the mixture of UV absorbing organic materials dissolved in the analyzed water, such as lignin, tannin, humic substances, and various aromatic compounds. UV absorbance (absorption) at 254 or 280 nanometers is measured in UV absorption units per centimeter of pathlength of UV light through a sample.

Vertical datum (See "Datum")

Volatile organic compounds (VOCs) 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 VOCs are human-made 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 table is the level in the saturated zone at which the pressure is equal to the atmospheric pressure.

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

Water year in USGS 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, 2001, is called the "2001 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.

Wet mass is the mass of living matter plus contained water. (See also "Biomass" and "Dry mass")

Wet weight refers to the weight of animal tissue or other substance including its contained water. (See also "Dry weight")

WSP is used as an acronym for "Water-Supply Paper" in reference to previously published reports.

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. (See also "Plankton")

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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)

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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

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 Feeder Conduit near Aspen, CO	09073890	--	1981-83
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	1963-79
Thompson Creek near Carbondale, CO	09083000	75.4	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 De Beque, 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 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)

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)
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

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)
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	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
Middle Creek near Oak Creek, CO	09243700	23.5	1976-81,1982-2001
Foidel Creek near Oak Creek, CO	09243800	8.61	1976-81,82-83, 1985-2001
Foidel Creek at mouth near Oak Creek, Co	09243900	17.5	1976-81,1982-2001
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	1965-72
Gibralter Canal near Hayden, CO	09244405	--	1965-72
Yampa River below Diversion near Hayden, CO	09244410	1,390	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
Williams Fork River at mouth, near Hamilton, CO	09249750	419	1984-2001
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

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)
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
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

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Station name	Station number	Drainage area (sq mi)	Period of record (water years)
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
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

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)
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
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

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)
Big Salt Wash at Fruita, CO	09153270	142	Temp., S.C.	1973-77
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	09244470	13.6	Temp., S.C., Sed.	1978-81
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).

TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS OF THE U.S. GEOLOGICAL SURVEY

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Section D. Water Quality

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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 p.

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 p.

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

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 p.

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

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 p.

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 p.

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 p.

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

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

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 p.

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

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 p.

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 p.

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

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

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

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 p.

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

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

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

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 p.

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 p.

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 p.

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

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 p.

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 p.

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 p.

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 p.

3-B8. *System and boundary conceptualization in ground-water flow simulation,* by T.E. Reilly: USGS–TWRI book 3, chap. B8. 2001. 29 p.

Section C. Sedimentation and Erosion Techniques

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

3-C2. *Field methods for measurement of fluvial sediment*, by T.K. Edwards and G.D. Glysson: USGS–TWRI book 3, chap. C2. 1999. 89 p.

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

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 p.

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

Section B. Surface Water

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

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

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

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 p.

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 p.

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 p.

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 p.

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 p.

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 p.

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 p.

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 p.

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 p.

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 p.

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 p.

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 p.

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 p.

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: USGS–TWRI book 6, chap. A5,1996. 125 p.

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 p.

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 p.

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 p.

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 p.

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

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 p.

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 p.

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 p.

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

LOCATION.--Lat 40°19'33", long 105°51'22", in NE$^{1}/_{4}$NW$^{1}/_{4}$ 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 data available, December 1994 to September 1998. Daily record for water temperature available, October 1996 to September 1998.

REVISED RECORDS.--WSP 2124: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	e16	e12	e11	e8.0	e7.4	e9.2	132	271	61	18	23
2	28	e16	e12	e11	e8.0	e7.4	e9.8	144	286	57	20	20
3	28	e16	e12	e11	e8.0	e7.2	e10	93	282	55	19	17
4	28	e14	e12	e11	e8.0	e7.4	e11	69	240	52	19	16
5	27	e14	e12	e11	e8.0	e7.4	e12	59	205	50	18	15
6	25	e14	e12	e11	e8.0	e7.4	e12	59	198	48	18	15
7	23	e15	e12	e11	e8.0	e7.4	e12	58	206	47	22	19
8	23	e14	e12	e11	e8.0	e7.4	e12	67	210	53	35	21
9	22	e14	e12	e11	e8.0	e7.4	e12	94	203	46	39	22
10	22	e14	e12	e11	e8.0	e7.4	e12	116	193	43	27	25
11	22	e14	e12	e11	e8.0	e7.4	e12	166	190	40	25	20
12	21	e14	e12	e11	e8.0	e7.4	e12	202	179	39	24	17
13	20	e13	e12	e11	e8.0	e7.4	e12	247	e166	37	20	16
14	19	e13	e12	e11	e8.0	e7.4	e12	284	e150	42	21	19
15	19	e13	e11	e11	e8.0	e7.4	e12	294	e149	42	27	18
16	19	e13	e11	e11	e8.0	e7.8	e13	324	e130	35	26	17
17	20	e13	e11	e11	e8.0	e7.8	e16	339	e110	30	23	24
18	20	e13	e11	e11	e8.0	e7.8	e19	328	e100	28	19	30
19	19	e13	e11	e10	e8.0	e7.8	e23	321	98	26	18	26
20	18	e13	e11	e10	e8.0	e8.0	e23	305	95	25	20	23
21	18	e13	e11	e10	e8.0	e8.4	e19	266	93	25	22	21
22	18	e12	e11	e10	e8.0	e8.6	e15	209	91	25	20	20
23	17	e12	e11	e10	e8.0	e8.8	e16	193	87	23	19	19
24	17	e12	e11	e10	e8.0	e8.8	e15	215	85	23	17	18
25	e17	e12	e11	e10	e8.0	e9.0	e21	241	90	23	16	17
26	e18	e12	e11	e9.0	e8.0	e9.2	e45	263	85	24	16	19
27	18	e12	e11	e9.0	e7.4	e9.2	59	294	83	25	14	19
28	18	e12	e11	e9.0	e7.4	e9.2	85	302	76	22	14	19
29	e18	e12	e11	e9.0	---	e9.2	101	305	71	20	14	18
30	16	e12	e11	e9.0	---	e9.2	108	291	66	18	13	18
31	16	---	e11	e8.0	---	e9.2	---	266	---	18	18	---
TOTAL	644	400	355	321.0	222.8	248.8	750.0	6546	4488	1102	641	591
MEAN	20.8	13.3	11.5	10.4	7.96	8.03	25.0	211	150	35.5	20.7	19.7
MAX	30	16	12	11	8.0	9.2	108	339	286	61	39	30
MIN	16	12	11	8.0	7.4	7.2	9.2	58	66	18	13	15
AC-FT	1280	793	704	637	442	493	1490	12980	8900	2190	1270	1170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2001, BY WATER YEAR (WY)

MEAN	24.1	15.4	10.0	8.02	7.21	7.77	27.6	172	315	112	34.3	27.1
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1953 - 2001	
ANNUAL TOTAL	22796.1		16309.6			
ANNUAL MEAN	62.3		44.7		63.7	
HIGHEST ANNUAL MEAN					109	1983
LOWEST ANNUAL MEAN					26.3	1954
HIGHEST DAILY MEAN	629	May 30	339	May 17	916	Jun 30 1957
LOWEST DAILY MEAN	e8.4	Jan 1	e7.2	Mar 3	3.0	Jan 13 1963
ANNUAL SEVEN-DAY MINIMUM	e8.4	Jan 1	e7.4	Feb 27	3.5	Feb 4 1977
MAXIMUM PEAK FLOW			386	May 17	976	Jun 30 1957
MAXIMUM PEAK STAGE			5.96	May 17	a7.19	Jun 30 1957
ANNUAL RUNOFF (AC-FT)	45220		32350		46140	
10 PERCENT EXCEEDS	198		146		192	
50 PERCENT EXCEEDS	18		16		18	
90 PERCENT EXCEEDS	8.5		8.0		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.

09018500 LAKE GRANBY NEAR GRANBY, CO

LOCATION.--Lat 40°10'55", long 105°52'14", in NW$^{1}/_{4}$NE$^{1}/_{4}$ 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. Water-quality data for this site is included under the Three Lakes Water-Quality Study section of this report.

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, 390,900 acre-ft, Oct. 6, elevation, 8,269.39 ft; minimum, 266,000 acre-ft, Mar. 19, 20, elevation, 8,249.50 ft.

MONTHEND ELEVATION AND CONTENTS AT 0800, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	8,269.09	389,000	-
Oct. 31	8,268.19	382,800	-6,200
Nov. 30	8,266.03	368,400	-14,400
Dec. 31	8,261.52	339,200	-29,200
CAL YR 2000	-	-	-72,800
Jan. 31	8,256.53	308,000	-31,200
Feb. 28	8,252.25	282,200	-25,800
Mar. 31	8,249.77	267,600	-14,600
Apr. 30	8,251.19	275,900	+8,300
May 31	8,261.25	337,400	+61,500
June 30	8,264.02	355,200	+17,800
July 31	8,260.89	335,200	-20,000
Aug. 31	8,258.25	318,600	-16,600
Sept. 30	8,255.23	300,000	-18,600
WTR YR 2001	-	-	-89,000

09019500 COLORADO RIVER NEAR GRANBY, CO

LOCATION.--Lat 40°07'15", long 105°54'00", in $SW^1/_4NW^1/_4$ 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, 90 ft^3/s May 17, gage height, 1.29 ft; minimum daily, 14 ft^3/s, Sept. 27.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	---	---	---	---	---	---	76	60	59	46	19
2	17	---	---	---	---	---	---	78	59	60	30	17
3	17	---	---	---	---	---	---	75	56	60	30	17
4	18	---	---	---	---	---	---	76	56	57	32	17
5	20	---	---	---	---	---	---	78	54	56	33	15
6	19	---	---	---	---	---	---	78	54	56	35	15
7	19	---	---	---	---	---	---	76	56	58	34	15
8	19	---	---	---	---	---	---	76	60	57	33	18
9	19	---	---	---	---	---	---	77	63	56	36	15
10	19	---	---	---	---	---	---	75	60	56	37	15
11	19	---	---	---	---	---	---	75	57	55	36	15
12	18	---	---	---	---	---	---	74	54	55	35	15
13	17	---	---	---	---	---	---	70	63	59	32	15
14	17	---	---	---	---	---	---	73	62	57	31	15
15	17	---	---	---	---	---	---	75	57	56	31	15
16	---	---	---	---	---	---	---	79	55	56	31	15
17	---	---	---	---	---	---	---	83	55	57	30	16
18	---	---	---	---	---	---	---	78	57	58	30	16
19	---	---	---	---	---	---	---	81	58	56	30	15
20	---	---	---	---	---	---	---	75	58	56	31	15
21	---	---	---	---	---	---	---	72	56	56	31	16
22	---	---	---	---	---	---	---	55	56	56	33	16
23	---	---	---	---	---	---	---	57	55	56	33	15
24	---	---	---	---	---	---	---	57	56	54	32	15
25	---	---	---	---	---	---	---	58	55	56	32	15
26	---	---	---	---	---	---	23	57	56	59	32	15
27	---	---	---	---	---	---	23	57	58	60	32	14
28	---	---	---	---	---	---	23	60	57	56	32	16
29	---	---	---	---	---	---	23	64	58	56	31	16
30	---	---	---	---	---	---	35	63	59	57	31	16
31	---	---	---	---	---	---	---	62	---	58	28	---
TOTAL	---	---	---	---	---	---	---	2190	1720	1764	1010	469
MEAN	---	---	---	---	---	---	---	70.6	57.3	56.9	32.6	15.6
MAX	---	---	---	---	---	---	---	83	63	60	46	19
MIN	---	---	---	---	---	---	---	55	54	54	28	14
AC-FT	---	---	---	---	---	---	---	4340	3410	3500	2000	930

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 West Fork Clear Creek basin.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	3.8	e3.3	e2.7	e2.3	e2.2	e2.9	13	74	25	10	6.4
2	6.3	e4.2	e3.3	e2.7	e2.3	e2.2	e2.9	13	80	23	13	6.2
3	6.6	e4.3	e3.3	e2.7	e2.3	e2.2	e3.1	10	87	22	11	6.0
4	6.6	e4.3	e3.2	e2.7	e2.3	e2.2	e3.4	8.9	84	21	11	5.8
5	6.7	e4.3	e3.2	e2.7	e2.3	e2.2	e3.6	8.3	75	20	10	5.8
6	6.4	e4.3	e3.2	e2.7	e2.3	e2.2	e3.4	8.0	73	21	10	6.3
7	6.3	e4.3	e3.2	e2.7	e2.3	e2.2	e3.3	8.0	74	21	10	7.2
8	6.1	e4.3	e3.2	e2.7	e2.3	e2.2	e3.3	9.2	78	26	9.7	7.6
9	6.1	e4.4	e3.2	e2.7	e2.3	e2.2	e3.5	11	78	22	9.6	7.9
10	6.1	e4.4	e3.2	e2.7	e2.3	e2.2	e3.4	14	75	21	8.8	7.6
11	6.0	e4.4	e3.2	e2.7	e2.3	e2.2	e3.3	18	73	21	8.5	7.0
12	5.9	e4.4	e3.2	e2.7	e2.2	e2.2	e3.5	23	67	20	8.0	6.5
13	5.7	e4.4	e3.2	e2.7	e2.2	e2.2	e3.3	31	61	20	7.9	6.9
14	5.7	e4.4	e3.2	e2.7	e2.2	e2.2	e3.4	36	51	19	9.4	7.1
15	6.3	e4.4	e3.2	e2.5	e2.2	e2.3	e3.6	41	46	18	10	6.5
16	5.8	e4.4	e3.0	e2.5	e2.1	e2.4	e3.8	47	41	17	8.7	6.1
17	5.6	e4.5	e3.0	e2.5	e2.2	e2.4	e4.2	48	40	16	8.2	6.7
18	5.2	e4.5	e3.0	e2.5	e2.2	e2.4	e4.5	50	40	15	7.8	6.6
19	5.1	e4.1	e3.0	e2.5	e2.2	e2.4	e4.8	50	41	15	7.6	6.4
20	5.0	e4.0	e2.8	e2.5	e2.2	e2.6	e4.6	50	42	16	7.7	6.3
21	5.0	e3.7	e2.8	e2.5	e2.2	e2.6	e4.4	45	41	15	7.9	6.2
22	4.9	e3.9	e2.8	e2.5	e2.2	e2.7	e4.2	40	39	15	8.5	6.1
23	4.9	e3.8	e2.8	e2.5	e2.2	e2.7	e4.0	40	37	15	8.2	5.9
24	4.9	e3.8	e2.8	e2.5	e2.2	e2.7	e3.8	42	36	14	7.5	5.8
25	4.9	e3.5	e2.8	e2.5	e2.2	e2.9	4.1	45	36	14	7.4	5.6
26	4.6	e3.5	e2.7	e2.4	e2.2	e2.9	5.0	50	34	14	7.2	5.5
27	4.6	e3.5	e2.7	e2.4	e2.2	e2.9	6.0	59	32	14	7.1	5.3
28	4.7	e3.5	e2.7	e2.4	e2.2	e2.9	7.4	60	30	12	7.0	5.2
29	4.8	e3.5	e2.7	e2.4	---	e2.9	8.9	62	28	12	6.8	5.0
30	4.4	e3.5	e2.7	e2.4	---	e2.9	9.9	65	27	12	6.7	5.0
31	4.1	---	e2.7	e2.3	---	e2.7	---	68	---	11	6.6	---
TOTAL	171.8	122.3	93.3	79.6	62.6	76.1	129.5	1073.4	1620	547	267.8	188.5
MEAN	5.54	4.08	3.01	2.57	2.24	2.45	4.32	34.6	54.0	17.6	8.64	6.28
MAX	6.7	4.5	3.3	2.7	2.3	2.9	9.9	68	87	26	13	7.9
MIN	4.1	3.5	2.7	2.3	2.1	2.2	2.9	8.0	27	11	6.6	5.0
AC-FT	341	243	185	158	124	151	257	2130	3210	1080	531	374

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2001, BY WATER YEAR (WY)

MEAN	5.84	4.09	3.00	2.36	2.05	2.12	4.36	27.8	70.3	28.9	12.4	8.02
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1969 - 2001	
ANNUAL TOTAL	5125.3		4431.9			
ANNUAL MEAN	14.0		12.1		14.3	
HIGHEST ANNUAL MEAN					19.2	1997
LOWEST ANNUAL MEAN					10.4	1994
HIGHEST DAILY MEAN	171	May 31	87	Jun 3	220	Jun 7 1997
LOWEST DAILY MEAN	e2.1	Mar 10	e2.1	Feb 16	1.2	Feb 26 1989
ANNUAL SEVEN-DAY MINIMUM	e2.2	Mar 4	e2.2	Feb 12	1.4	Feb 20 1989
MAXIMUM PEAK FLOW			96	Jun 3	a291	Jun 8 1997
MAXIMUM PEAK STAGE			1.67	Jun 3	b2.08	Jun 8 1997
ANNUAL RUNOFF (AC-FT)	10170		8790		10330	
10 PERCENT EXCEEDS	33		40		42	
50 PERCENT EXCEEDS	5.2		4.9		5.0	
90 PERCENT EXCEEDS	2.5		2.3		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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
04...	1330	6.5	84	8.3	5.5	9.2	29.4	6.73	3.06	8.7	<10	<.001	.078
NOV													
06...	0945	4.2	104	8.4	0	10.6	32.4	7.47	3.34	9.5	<10	<.001	.099
DEC													
06...	1415	3.2	95	8.1	.5	10.4	32.0	7.22	3.40	10.5	<10	.001	.140
MAR													
21...	1400	2.2	157	8.1	2.0	11.0	40.3	9.31	4.14	28.1	<10	<.001	.119
APR													
19...	1150	4.8	295	7.8	3.0	10.0	56.4	14.4	4.95	71.5	<10	<.001	.131
MAY													
22...	1320	36	95	8.5	4.0	9.3	26.8	6.66	2.46	17.3	<10	<.001	.070
JUN													
13...	1010	55	60	7.9	3.0	10.0	19.7	4.69	1.93	6.2	<10	<.001	.067
JUL													
17...	1245	13	70	8.6	8.0	9.4	23.5	5.48	2.39	7.2	<10	<.001	.033
AUG													
21...	1020	8.0	86	7.8	6.5	9.5	31.0	6.93	3.32	9.1	<10	<.001	.063
SEP													
10...	1445	8.0	93	8.2	7.5	8.5	32.8	7.42	3.46	11.0	<10	.001	.062

DATE	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				
04...	.006	<.008	<.006	<.001
NOV				
06...	<.002	E.003	<.006	<.007
DEC				
06...	.007	E.003	<.006	<.007
MAR				
21...	.005	E.002	<.006	<.007
APR				
19...	.005	.006	<.006	<.007
MAY				
22...	<.002	.008	E.004	<.007
JUN				
13...	.002	.008	E.004	<.007
JUL				
17...	<.002	.007	E.005	<.007
AUG				
21...	.008	.004	<.006	<.007
SEP				
10...	.005	.004	<.006	<.007

E Estimated laboratory analysis value.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
11...	1119	5.6	81	2.5	24...	1211	3.8	247	2.0
NOV					MAY				
09...	1456	4.4	--	0	22...	1045	38	90	2.0
JAN					JUN				
09...	1113	2.6	--	0	12...	0936	63	50	3.7
MAR					JUL				
14...	0928	2.2	129	0	09...	0956	22	63	7.0

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
04...	1230	5.1	115	8.4	7.5	9.0	36.4	9.70	2.96	9.2	<10	<.001	.046
NOV													
06...	1045	4.0	115	8.1	.5	10.0	38.6	10.4	3.09	9.1	<10	<.001	.049
DEC													
06...	1315	3.8	118	8.0	2.0	10.3	40.3	10.5	3.40	9.7	13	.001	.098
JAN													
09...	1030	3.0	118	8.4	0	9.7	37.6	9.86	3.14	10.8	<10	.001	.120
FEB													
14...	1015	3.0	123	8.4	1.0	10.0	39.4	10.4	3.29	12.1	<10	<.001	.091
MAR													
21...	1000	3.8	155	8.4	2.5	10.7	39.6	10.4	3.33	21.4	<10	.001	.098
APR													
19...	1040	5.6	196	8.3	3.5	10.5	46.2	12.3	3.77	38.4	<10	.001	.177
MAY													
22...	1320	22	76	8.0	6.0	9.0	19.4	5.20	1.55	9.6	<10	.001	.014
JUN													
13...	1105	12	90	8.1	5.5	9.2	26.7	6.80	2.37	13.4	<10	.001	.015
JUL													
17...	1200	33	69	8.2	7.5	9.4	24.3	5.78	2.39	6.7	<10	.001	.041
AUG													
21...	1330	20	86	8.1	10.0	8.7	30.2	7.13	3.01	7.8	<10	<.001	.047
SEP													
10...	1330	11	101	8.1	8.0	8.9	33.8	8.52	3.05	10.0	<10	.001	.060

DATE	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				
04...	.003	.013	E.003	.003
NOV				
06...	.002	.012	E.003	<.007
DEC				
06...	.010	.015	.006	E.004
JAN				
09...	.005	.011	.006	.007
FEB				
14...	.034	.014	E.003	E.004
MAR				
21...	.005	.011	E.003	<.007
APR				
19...	.005	.022	E.005	<.007
MAY				
22...	<.002	.019	.006	<.007
JUN				
13...	.002	.025	.009	<.007
JUL				
17...	<.002	.007	E.005	<.007
AUG				
21...	.003	.006	E.004	<.007
SEP				
10...	.005	.009	E.004	<.007

E Estimated laboratory analysis value.

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, 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	4.1	3.1	3.9	e4.6	e5.0	5.5	19	20	46	23	14
2	3.8	3.9	e3.2	e4.0	4.7	e5.0	5.9	16	20	45	25	14
3	3.8	e3.9	3.2	e4.0	4.7	e5.0	6.7	13	20	45	23	13
4	3.8	e3.9	3.2	4.1	4.6	e5.0	7.4	11	19	44	22	13
5	4.0	4.0	3.3	4.1	4.7	e5.0	7.3	11	18	43	21	13
6	3.7	e4.2	3.3	4.2	4.8	e5.0	6.9	11	18	45	23	13
7	3.8	e4.4	3.3	4.0	4.8	e5.0	6.7	11	18	45	22	13
8	3.7	4.6	3.3	e4.0	4.8	e5.0	6.4	13	17	50	20	11
9	4.5	e5.3	3.3	4.1	e4.8	e5.0	6.7	15	17	47	21	10
10	4.5	e5.2	3.2	4.2	e4.8	e5.0	6.8	14	16	46	19	10
11	4.2	3.6	3.4	4.3	e4.8	e5.0	7.1	16	16	45	19	9.5
12	4.9	e3.5	3.5	4.2	e4.8	e5.0	6.3	17	15	45	17	8.9
13	3.8	e3.5	3.5	4.1	e4.8	e5.0	6.5	18	17	44	17	9.6
14	3.7	e3.4	3.5	4.0	e4.8	e5.0	6.6	19	16	43	21	10
15	3.7	e3.4	3.4	4.0	e5.0	e4.9	6.5	20	15	40	23	9.7
16	3.8	e3.4	e3.4	4.1	e5.0	e4.7	7.5	21	14	36	19	5.8
17	3.8	e3.3	e3.7	e4.2	e5.0	4.7	9.2	22	13	33	18	6.1
18	3.9	e3.3	4.3	4.3	e5.0	4.7	11	23	13	32	17	5.7
19	3.9	3.3	4.3	4.4	e5.0	4.9	11	22	12	32	17	4.9
20	3.8	3.4	4.3	4.5	e5.0	5.3	9.5	23	12	31	17	4.4
21	3.7	e3.3	4.2	4.5	e5.0	5.3	8.2	22	11	30	17	4.3
22	3.9	3.3	4.2	4.6	e5.0	5.6	8.0	21	52	29	18	3.9
23	4.1	3.3	4.2	4.6	e5.0	5.5	7.6	21	83	28	18	3.9
24	4.0	e3.2	4.2	4.6	e5.0	5.7	8.3	21	83	28	16	3.8
25	4.1	3.2	4.1	4.7	e5.0	5.7	8.7	21	84	27	16	4.1
26	3.9	3.2	e3.8	4.7	e5.0	5.8	11	21	85	28	15	4.4
27	3.9	3.3	e3.7	4.6	e5.0	5.4	12	21	66	27	15	4.4
28	3.8	3.3	3.9	4.7	e5.0	5.4	13	21	52	25	15	4.3
29	4.3	3.3	e3.7	4.6	---	5.1	14	21	50	24	15	4.2
30	3.9	e3.2	3.9	4.6	---	5.1	15	20	48	24	15	4.6
31	4.1	---	3.9	e4.6	---	5.3	---	20	---	23	15	---
TOTAL	122.9	110.2	113.5	133.5	136.5	159.1	253.3	565	940	1130	579	240.5
MEAN	3.96	3.67	3.66	4.31	4.88	5.13	8.44	18.2	31.3	36.5	18.7	8.02
MAX	4.9	5.3	4.3	4.7	5.0	5.8	15	23	85	50	25	14
MIN	3.7	3.2	3.1	3.9	4.6	4.7	5.5	11	11	23	15	3.8
AC-FT	244	219	225	265	271	316	502	1120	1860	2240	1150	477

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2001, BY WATER YEAR (WY)

MEAN	10.8	9.51	7.59	6.63	6.21	6.63	12.7	48.7	114	48.5	19.7	13.0
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1911 - 2001	
ANNUAL TOTAL	5140.6		4483.5			
ANNUAL MEAN	14.0		12.3		25.3	
HIGHEST ANNUAL MEAN					60.9	1914
LOWEST ANNUAL MEAN					5.93	1954
HIGHEST DAILY MEAN	74	Jun 20	85	Jun 26	622	Jun 14 1918
LOWEST DAILY MEAN	3.1	Dec 1	3.1	Dec 1	b2.0	Mar 29 1912
ANNUAL SEVEN-DAY MINIMUM	3.2	Nov 28	3.2	Nov 28	2.1	Oct 5 1956
MAXIMUM PEAK FLOW			105	Jun 26	820	Jun 13 1918
MAXIMUM PEAK STAGE			a1.71	Jun 26	c2.90	Jun 13 1918
ANNUAL RUNOFF (AC-FT)	10200		8890		18350	
10 PERCENT EXCEEDS	36		26		58	
50 PERCENT EXCEEDS	6.8		5.2		8.9	
90 PERCENT EXCEEDS	3.7		3.7		4.2	

e Estimated.
a Maximum gage height, 1.89 ft, Feb 11, backwater from ice.
b. Also occurred Mar 30, Apr 9, 1912, and Jan 23, 1915.
c 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$^1/_4$NW$^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	4.8	e5.1	e8.2	e7.6	e7.2	e8.0	13	29	8.5	9.1	8.0
2	4.6	4.9	e5.1	e8.4	e7.6	e7.2	e8.1	15	48	7.9	9.3	8.2
3	4.6	e4.8	e5.1	e8.6	e7.6	e7.2	8.9	13	9.8	9.3	9.0	8.2
4	4.7	e4.8	e5.1	e8.6	e7.6	e7.2	8.9	12	11	9.0	8.7	8.3
5	4.6	e4.8	e5.1	e8.8	e7.6	e7.2	e8.8	10	9.6	9.0	8.8	8.4
6	4.3	e4.8	e5.1	e8.8	e7.6	e7.2	e8.8	9.7	11	8.7	8.9	8.5
7	4.3	e4.9	e5.1	e9.0	e7.6	e7.2	e8.8	9.7	13	9.5	8.8	8.7
8	4.3	e4.9	e5.1	e9.0	e7.6	e7.2	e8.8	10	11	11	8.7	9.7
9	4.6	4.0	e5.1	e9.0	e7.6	e7.2	9.2	10	8.7	9.7	8.7	9.1
10	4.2	4.1	e5.4	e9.0	e7.4	e7.2	8.8	10	8.8	15	8.8	9.1
11	4.2	e4.1	e5.4	e9.0	e7.2	e6.8	10	11	9.1	15	8.7	8.9
12	4.3	e4.2	e5.4	e8.6	e7.2	e6.7	9.1	11	8.1	40	8.4	8.6
13	4.2	e4.2	e5.4	e8.4	e7.2	e6.7	9.1	13	9.8	42	8.4	8.7
14	4.3	e4.2	e5.4	e8.0	e7.2	e6.9	9.4	13	10	24	9.5	9.2
15	4.3	e4.3	e5.4	e7.8	e7.2	e7.3	9.2	13	9.5	20	9.9	9.0
16	4.3	e4.4	e5.5	e7.6	e7.2	e7.3	9.3	15	9.1	12	8.9	4.8
17	4.5	e4.6	e5.6	e7.6	e7.2	e7.3	9.3	16	9.0	7.0	8.8	4.9
18	4.6	e4.6	e6.0	e7.6	e7.2	e7.6	9.7	16	8.5	9.2	8.5	4.6
19	4.8	e4.7	e6.2	e7.6	e7.2	e7.6	10	17	8.7	9.3	8.3	4.4
20	4.9	e4.8	e6.4	e7.6	e7.2	e7.6	10	16	9.5	9.2	8.5	4.2
21	4.9	e4.8	e6.8	e7.6	e7.2	e7.6	9.9	15	9.1	8.8	8.3	4.0
22	4.9	e4.9	e7.0	e7.6	e7.2	e7.6	9.7	14	10	8.7	8.4	3.6
23	4.9	e5.0	e7.6	e7.6	e7.2	e7.6	9.7	14	27	8.4	8.6	3.8
24	4.9	5.0	e7.6	e7.6	e7.2	e7.7	9.7	14	28	8.6	8.1	4.2
25	4.9	e4.8	e7.6	e7.6	e7.2	e7.6	9.7	13	30	8.6	8.1	4.2
26	4.9	e4.8	e7.6	e7.6	e7.2	e8.0	9.7	13	36	9.1	8.1	4.5
27	4.8	e5.0	e7.6	e7.6	e7.2	e8.2	9.9	13	25	8.7	8.0	4.5
28	4.8	e5.1	e7.6	e7.6	e7.2	8.3	10	15	9.0	8.4	8.2	4.3
29	4.9	e5.1	e7.8	e7.6	---	e8.1	12	11	9.2	8.1	8.2	4.4
30	4.7	e5.1	e7.8	e7.6	---	e8.0	12	12	8.8	8.1	8.2	4.2
31	4.6	---	e8.0	e7.6	---	e8.0	---	11	---	8.9	8.4	---
TOTAL	142.5	140.5	191.0	250.8	205.4	230.5	284.5	398.4	443.3	379.7	267.3	195.2
MEAN	4.60	4.68	6.16	8.09	7.34	7.44	9.48	12.9	14.8	12.2	8.62	6.51
MAX	4.9	5.1	8.0	9.0	7.6	8.3	12	17	48	42	9.9	9.7
MIN	4.2	4.0	5.1	7.6	7.2	6.7	8.0	9.7	8.1	7.0	8.0	3.6
AC-FT	283	279	379	497	407	457	564	790	879	753	530	387

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2001, BY WATER YEAR (WY)

MEAN	6.12	6.67	5.58	4.96	4.65	4.77	7.65	26.9	67.2	22.8	8.22	6.89
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1934 - 2001	
ANNUAL TOTAL	3805.5		3129.1			
ANNUAL MEAN	10.4		8.57			
HIGHEST ANNUAL MEAN					39.6	1936
LOWEST ANNUAL MEAN					2.30	1963
HIGHEST DAILY MEAN	103	May 31	48	Jun 2	417	Jun 25 1983
LOWEST DAILY MEAN	4.0	Nov 9	3.6	Sep 22	a.00	Sep 9 1944
ANNUAL SEVEN-DAY MINIMUM	4.2	Nov 9	4.1	Sep 19	.00	Sep 9 1944
MAXIMUM PEAK FLOW			167	Jun 1	b526	Jun 27 1983
MAXIMUM PEAK STAGE			2.72	Jun 1	4.14	Jun 27 1983
ANNUAL RUNOFF (AC-FT)	7550		6210			
10 PERCENT EXCEEDS	14		12		22	
50 PERCENT EXCEEDS	8.4		8.0		6.0	
90 PERCENT EXCEEDS	4.8		4.6		1.6	

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°55'40", long 105°47'08", SW$^{1}/_{4}$SE$^{1}/_{4}$ 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
04...	1130	15	89	8.4	7.0	9.2	31.4	8.33	2.57	5.8	<10	.001	.081
NOV													
06...	1130	12	87	8.6	0	10.3	31.1	8.39	2.47	6.0	<10	.001	.117
DEC													
06...	1215	9.3	94	8.0	.5	10.8	33.4	7.95	3.29	5.6	<10	.002	.478
JAN													
09...	1200	11	92	7.7	0	9.7	33	8.12	3.05	5.0	<10	.009	.660
FEB													
14...	1130	13	96	7.8	0	10.5	35.7	8.54	3.50	5.7	<10	.008	.795
MAR													
21...	1050	18	126	7.8	1.5	11.1	37.3	8.84	3.70	12.3	14	.009	.920
APR													
19...	0930	21	126	8.0	2.5	10.3	35.7	9.14	3.12	17.5	<10	.003	.332
MAY													
22...	1415	44	66	8.2	8.5	8.5	21.5	5.95	1.61	7.2	<10	.001	.048
JUN													
13...	1335	25	70	7.9	5.5	9.1	21.5	5.81	1.69	7.3	<10	.001	.026
JUL													
17...	1050	43	76	8.4	9.0	9.5	23.8	5.86	2.23	6.0	<10	<.001	.061
AUG													
21...	1230	27	78	8.1	12.0	8.6	27.5	6.90	2.50	6.0	<10	<.001	.026
SEP													
10...	1035	20	77	8.2	15.0	9.9	29.1	7.73	2.38	6.4	<10	.001	.065

DATE	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				
04...	.002	.026	.009	.004
NOV				
06...	<.002	.017	.007	.007
DEC				
06...	.017	.047	.032	.028
JAN				
09...	.061	.063	.051	.048
FEB				
14...	.032	.079	.061	.058
MAR				
21...	.054	.103	.072	.069
APR				
19...	.006	.054	.024	.019
MAY				
22...	.004	.034	.014	.008
JUN				
13...	.003	.026	.012	.007
JUL				
17...	.004	.027	.016	E.006
AUG				
21...	.003	.030	.021	.014
SEP				
10...	.006	.021	.012	.009

E Estimated laboratory analysis value.

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.75	.74	e.00	e.00	e.00	e.00	e.00	e.03	e2.4	3.1	1.4	.86
2	.71	.37	e.00	e.00	e.00	e.00	e.00	.02	e2.4	3.1	1.5	.86
3	.71	e.02	e.00	e.00	e.00	e.00	e.00	.02	e2.4	3.0	1.3	.84
4	.71	e.02	e.00	e.00	e.00	e.00	e.00	.01	e2.4	2.8	1.3	.81
5	.75	e.02	e.00	e.00	e.00	e.00	e.00	.01	e2.4	2.9	1.2	.81
6	.72	e.02	e.00	e.00	e.00	e.00	e.00	.01	e2.4	2.9	1.4	.83
7	.71	e.02	e.00	e.00	e.00	e.00	e.00	.01	e2.4	2.9	1.3	.88
8	.71	e.02	e.00	e.00	e.00	e.00	e.00	.02	e2.4	3.0	1.2	.92
9	.71	e.00	e.00	e.00	e.00	e.00	e.00	.02	e2.4	3.0	1.2	.96
10	.71	e.00	e.00	e.00	e.00	e.00	e.00	.02	e2.4	2.7	1.3	1.0
11	.73	e.00	e.00	e.00	e.00	e.00	e.00	.03	e2.4	2.8	1.2	.98
12	.76	e.00	e.00	e.00	e.00	e.00	e.00	.03	e2.4	2.6	1.1	.90
13	.76	e.00	e.00	e.00	e.00	e.00	e.00	.03	2.4	2.7	1.2	.89
14	.76	e.00	e.00	e.00	e.00	e.00	e.00	.03	2.4	2.6	1.3	.89
15	.77	e.00	e.00	e.00	e.00	e.00	e.01	.03	2.4	2.5	1.5	.82
16	.78	e.00	e.00	e.00	e.00	e.00	e.01	.03	2.3	2.2	1.2	.82
17	.78	e.00	e.00	e.00	e.00	e.00	e.01	.03	2.3	2.1	1.1	.88
18	.74	e.00	e.00	e.00	e.00	e.00	e.01	.03	2.7	2.0	1.0	.87
19	.74	e.00	e.00	e.00	e.00	e.00	e.02	.03	2.7	2.0	.99	.81
20	.72	e.00	e.00	e.00	e.00	e.00	e.02	.03	2.5	1.9	1.1	.80
21	.71	e.00	e.00	e.00	e.00	e.00	e.02	.03	2.6	1.8	1.0	.73
22	.71	e.00	e.00	e.00	e.00	e.00	e.02	.02	3.0	1.7	1.1	.70
23	.71	e.00	e.00	e.00	e.00	e.00	e.02	e.02	2.9	1.7	1.1	.70
24	.71	e.00	e.00	e.00	e.00	e.00	e.02	e.02	2.9	1.6	.98	.69
25	.71	e.00	e.00	e.00	e.00	e.00	e.03	e.02	3.3	1.6	.94	.69
26	.72	e.00	e.00	e.00	e.00	e.00	e.03	e2.4	4.1	1.7	.91	.68
27	.73	e.00	e.00	e.00	e.00	e.00	e.03	e2.4	3.8	1.6	.90	.66
28	.71	e.00	e.00	e.00	e.00	e.00	e.03	e2.4	3.4	1.5	.88	.61
29	.71	e.00	e.00	e.00	---	e.00	e.03	e2.4	3.3	1.5	.88	.61
30	.64	e.00	e.00	e.00	---	e.00	e.03	e2.4	3.2	1.4	.89	.65
31	.66	---	e.00	e.00	---	e.00	---	e2.4	---	1.4	.89	---
TOTAL	22.45	1.23	0.00	0.00	0.00	0.00	0.34	14.98	81.0	70.3	35.26	24.15
MEAN	.72	.041	.000	.000	.000	.000	.011	.48	2.70	2.27	1.14	.81
MAX	.78	.74	.00	.00	.00	.00	.03	2.4	4.1	3.1	1.5	1.0
MIN	.64	.00	.00	.00	.00	.00	.00	.01	2.3	1.4	.88	.61
AC-FT	45	2.4	.00	.00	.00	.00	.7	30	161	139	70	48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

MEAN	.55	.14	.13	.13	.093	.084	.11	.91	7.61	2.60	1.38	.90
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	2.70	1.83	.94	.72
(WY)	1999	1998	1998	1998	1998	1999	1999	1997	2001	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1997 - 2001	
ANNUAL TOTAL	286.31		249.71			
ANNUAL MEAN	.78		.68		1.22	
HIGHEST ANNUAL MEAN					2.18	1997
LOWEST ANNUAL MEAN					.68	2001
HIGHEST DAILY MEAN	5.9	Jun 14	4.1	Jun 26	20	Jun 10 1997
LOWEST DAILY MEAN	e.00	Jan 1	a,e.00	Nov 9	b.00	May 7 1997
ANNUAL SEVEN-DAY MINIMUM	e.00	Jan 1	e.00	Nov 9	.00	May 7 1997
MAXIMUM PEAK FLOW			5.5	Jun 26	22	Jun 10 1997
MAXIMUM PEAK STAGE			5.25	Jun 26	5.69	Jun 10 1997
ANNUAL RUNOFF (AC-FT)	568		495		882	
10 PERCENT EXCEEDS	2.4		2.4		2.7	
50 PERCENT EXCEEDS	.02		.02		.42	
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 with satellite telemetry. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	e7.4	e5.7	e5.7	e5.4	e5.2	5.2	15	19	14	16	11
2	7.0	e7.5	e5.7	e5.7	e5.4	e5.2	5.3	18	20	15	16	11
3	7.1	e7.6	e5.7	e5.7	e5.4	e5.2	5.4	13	19	15	16	11
4	7.5	e7.6	e5.7	e5.7	e5.4	e5.0	e5.5	11	19	14	14	11
5	8.2	7.6	e5.7	e5.7	e5.4	e5.2	e5.6	11	19	14	15	10
6	7.5	e7.4	e5.7	e5.8	e5.4	e5.2	5.9	11	18	14	15	11
7	6.7	e7.0	e5.7	e5.8	e5.4	e5.2	6.1	9.9	20	14	14	12
8	6.2	e6.8	e5.7	e5.8	e5.4	e5.2	6.0	11	18	21	14	14
9	6.2	e6.6	e5.7	e5.8	e5.4	e5.2	6.7	11	18	15	13	13
10	6.2	e6.8	e5.7	e5.8	e5.4	5.4	6.7	12	18	14	14	13
11	6.2	e7.0	e5.7	e5.8	e5.2	e5.2	e6.7	13	18	24	15	12
12	6.3	7.0	e5.7	e5.8	e5.2	5.5	6.7	13	18	45	14	11
13	6.5	6.8	e5.7	e5.8	e5.2	5.5	6.8	13	19	57	14	10
14	7.9	e6.8	e5.7	e5.8	e5.2	e5.2	6.6	14	19	52	18	12
15	8.4	e6.8	e5.7	e5.8	e5.2	e5.2	6.6	14	17	50	21	10
16	8.3	e6.8	e5.7	e5.8	e5.2	e5.4	6.5	20	16	39	13	8.5
17	6.9	e6.8	e5.7	e5.8	e5.2	6.0	7.2	24	18	25	13	7.7
18	6.8	e6.5	e5.7	e5.8	e5.2	5.5	8.2	24	16	15	13	7.6
19	7.4	e6.5	e5.7	e5.8	e5.2	e5.5	9.0	22	16	15	13	6.7
20	7.3	e6.2	e5.7	e5.6	e5.2	5.5	8.6	24	16	17	13	6.4
21	6.8	e5.9	e5.9	e5.6	e5.2	5.6	7.8	23	15	16	14	6.2
22	6.5	e5.9	e5.9	e5.6	e5.2	5.7	7.4	21	25	15	15	6.2
23	6.8	e5.9	e5.8	e5.6	e5.2	5.5	8.2	20	40	15	17	6.2
24	6.8	e5.9	e5.7	e5.6	e5.2	5.8	7.1	20	40	14	14	6.2
25	6.8	e5.7	e5.7	e5.6	e5.2	5.7	7.5	21	42	14	13	6.2
26	6.7	e5.7	e5.7	e5.6	e5.2	5.5	8.5	22	41	15	13	6.2
27	7.9	e5.7	e5.7	e5.6	e5.2	5.6	9.1	22	29	14	12	6.2
28	8.1	e5.7	e5.7	e5.6	e5.2	e5.6	8.9	21	17	14	12	6.4
29	7.5	e5.7	e5.7	e5.6	---	e5.6	9.9	20	15	13	12	6.6
30	7.1	e5.7	e5.7	e5.6	---	5.2	12	20	15	16	11	6.8
31	7.2	---	e5.7	e5.6	---	5.2	---	20	---	16	11	---
TOTAL	219.8	197.3	177.2	176.9	147.6	167.5	217.7	533.9	640	651	438	272.1
MEAN	7.09	6.58	5.72	5.71	5.27	5.40	7.26	17.2	21.3	21.0	14.1	9.07
MAX	8.4	7.6	5.9	5.8	5.4	6.0	12	24	42	57	21	14
MIN	6.2	5.7	5.7	5.6	5.2	5.0	5.2	9.9	15	13	11	6.2
AC-FT	436	391	351	351	293	332	432	1060	1270	1290	869	540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2001, BY WATER YEAR (WY)

MEAN	11.9	9.24	7.54	6.78	6.25	6.37	9.40	37.2	115	64.7	23.9	14.5
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	21.3	16.2	11.3	4.39
(WY)	1965	1967	1968	1961	1968	1968	1970	1968	2001	1994	1963	1963

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1934 - 2001	
ANNUAL TOTAL	6107.9		3839.0			
ANNUAL MEAN	16.7		10.5		26.1	
HIGHEST ANNUAL MEAN					48.9	1995
LOWEST ANNUAL MEAN					9.98	1963
HIGHEST DAILY MEAN	168	Jun 1	57	Jul 13	418	Jun 18 1995
LOWEST DAILY MEAN	e5.6	Feb 8	e5.0	Mar 4	a1.8	Jan 25 1968
ANNUAL SEVEN-DAY MINIMUM	e5.7	Nov 25	e5.2	Feb 26	1.8	Jan 24 1968
MAXIMUM PEAK FLOW			66	Jul 12	558	Jun 17 1995
MAXIMUM PEAK STAGE			1.61	Jul 12	b2.80	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	12120		7610		18920	
10 PERCENT EXCEEDS	33		19		61	
50 PERCENT EXCEEDS	7.8		6.8		10	
90 PERCENT EXCEEDS	5.7		5.4		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", SW$^{1}/_{4}$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.--119 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
04...	1030	16	107	9.2	7.0	11.0	39.8	11.7	2.61	5.8	<10	.013	.280
NOV													
06...	1545	20	103	9.6	0	13.4	39.2	11.5	2.56	6.1	<10	.008	.192
DEC													
06...	1115	23	115	8.1	.5	10.9	41.8	11.8	2.98	5.4	<10	.012	.707
JAN													
09...	1400	23	111	8.2	0	9.6	39.6	10.9	2.98	5.1	<10	.011	.908
FEB													
14...	1330	19	113	8.2	0	10.1	40.5	11.1	3.12	6.1	<10	.010	1.00
MAR													
21...	1220	32	156	8.2	0	11.3	41.6	11.2	3.31	16.8	11	.014	1.17
APR													
19...	0805	56	107	8.3	2.5	10.9	34.3	9.51	2.57	9.8	<10	.009	.369
MAY													
22...	1200	63	78	8.3	9.0	8.4	26.1	7.43	1.82	6.2	<10	.006	.066
JUN													
13...	1125	26	82	8.2	8.0	8.6	28.8	8.28	1.98	6.0	12	.007	.049
JUL													
17...	1500	72	76	8.4	14.5	8.4	28.5	8.14	1.98	4.2	13	.010	.081
AUG													
21...	1130	37	94	8.7	13.0	9.1	34.4	9.55	2.55	5.8	<10	.013	.136
SEP													
10...	1215	42	86	8.8	10.0	9.5	36.0	10.5	2.39	5.4	<10	.010	.111

DATE	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				
04...	.019	.112	.069	.056
NOV				
06...	.064	.071	.043	.041
DEC				
06...	.219	.100	.069	.060
JAN				
09...	.290	.157	.126	.115
FEB				
14...	.262	.175	.132	.127
MAR				
21...	.415	.258	.190	.174
APR				
19...	.086	.127	.049	.047
MAY				
22...	.033	.089	.044	.034
JUN				
13...	.034	.114	.073	.057
JUL				
17...	.051	.076	.058	.045
AUG				
21...	.009	.099	.061	.045
SEP				
10...	.016	.081	.057	.050

09032000 RANCH CREEK NEAR FRASER, CO

LOCATION.--Lat 39°57'00", long 105°45'54", in NW$^1/_4$NE$^1/_4$ 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 with satellite telemetry. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	e2.9	2.6	2.7	2.4	2.2	2.5	10	13	4.3	4.0	3.6
2	3.2	e3.1	2.5	2.6	2.3	2.2	2.6	11	19	4.3	4.1	3.6
3	3.1	e2.9	2.5	2.6	2.3	2.2	2.7	7.9	16	4.3	4.1	3.3
4	3.1	e3.3	2.5	2.9	2.3	2.2	2.9	7.0	11	4.2	4.8	3.2
5	3.3	e3.3	2.6	2.9	2.3	2.1	3.1	6.7	8.6	4.2	4.7	3.1
6	3.2	e3.2	2.6	3.0	2.3	2.1	3.1	6.7	9.0	4.8	4.9	3.1
7	3.1	e3.2	2.5	2.7	2.3	2.1	2.8	6.7	8.4	5.9	5.0	3.4
8	3.0	e3.2	2.5	2.7	2.3	2.1	2.8	7.4	9.1	6.1	4.7	4.3
9	3.0	e3.2	2.6	2.7	2.3	2.2	3.3	8.3	8.4	5.4	5.0	4.3
10	2.9	e3.2	2.7	2.7	2.4	2.1	3.2	8.9	7.4	9.0	4.8	4.4
11	2.9	e3.2	2.6	2.7	2.5	2.1	3.3	10	7.1	8.2	4.7	4.3
12	2.9	e3.2	2.7	2.7	2.4	2.1	2.7	11	6.3	5.8	4.4	4.0
13	2.9	e3.2	2.6	2.7	2.4	2.1	2.6	12	6.3	4.5	4.2	3.8
14	2.9	e2.9	2.6	2.7	2.5	e2.1	3.4	13	5.9	4.6	5.4	4.0
15	2.9	e2.9	2.7	2.6	2.4	2.2	2.9	15	5.6	4.7	6.3	3.5
16	2.9	e2.9	2.7	2.6	2.4	2.1	3.3	18	5.3	4.5	5.2	3.4
17	2.9	e2.9	2.8	2.6	2.4	2.2	3.8	17	5.1	4.2	4.7	3.3
18	2.9	e2.9	2.7	2.4	2.3	2.2	4.5	18	5.0	4.2	4.4	3.2
19	2.7	e2.9	2.8	2.4	2.3	2.3	5.2	17	4.9	4.3	4.3	3.0
20	2.5	e2.5	2.8	2.4	2.2	2.5	4.6	17	4.8	4.3	4.2	2.9
21	2.5	e2.5	2.7	2.4	2.2	2.5	4.1	15	4.8	4.2	4.2	2.8
22	2.5	2.7	2.8	2.4	2.2	2.7	4.0	14	4.8	4.1	4.2	2.7
23	2.7	2.6	2.8	2.4	2.3	2.7	3.3	13	4.7	4.1	4.3	2.7
24	2.9	2.6	2.8	2.4	2.2	2.7	3.3	13	4.7	4.2	4.0	2.6
25	2.8	2.6	2.7	2.4	2.2	2.7	3.8	13	4.8	4.1	3.8	2.6
26	2.7	2.6	2.6	2.4	2.2	2.8	5.1	12	5.3	4.3	3.7	e2.6
27	2.7	2.7	2.7	2.4	2.2	2.7	6.4	12	5.1	4.3	3.6	e2.6
28	2.8	2.7	2.7	2.4	2.2	e2.6	6.9	12	4.7	4.1	3.4	e2.6
29	3.1	2.6	2.7	2.4	---	2.6	7.4	11	4.5	4.0	3.3	e2.7
30	2.9	2.6	2.9	2.4	---	2.5	8.2	11	4.5	3.9	3.2	e2.7
31	2.9	---	2.8	2.4	---	2.5	---	10	---	3.9	3.5	---
TOTAL	90.2	87.2	82.8	79.7	64.7	72.4	117.8	364.6	214.1	147.0	135.1	98.3
MEAN	2.91	2.91	2.67	2.57	2.31	2.34	3.93	11.8	7.14	4.74	4.36	3.28
MAX	3.4	3.3	2.9	3.0	2.5	2.8	8.2	18	19	9.0	6.3	4.4
MIN	2.5	2.5	2.5	2.4	2.2	2.1	2.5	6.7	4.5	3.9	3.2	2.6
AC-FT	179	173	164	158	128	144	234	723	425	292	268	195

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2001, BY WATER YEAR (WY)

MEAN	4.80	4.15	3.41	3.03	2.71	2.64	5.29	30.6	76.6	24.8	7.42	4.97
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1935 - 2001	
ANNUAL TOTAL	4272.0		1553.9			
ANNUAL MEAN	11.7		4.26			
HIGHEST ANNUAL MEAN					31.4	1983
LOWEST ANNUAL MEAN					2.55	1964
HIGHEST DAILY MEAN	165	May 31	19	Jun 2	402	Jun 7 1997
LOWEST DAILY MEAN	2.5	Sep 16	2.1	Mar 5	a.40	Sep 21 1960
ANNUAL SEVEN-DAY MINIMUM	2.5	Dec 2	2.1	Mar 5	.42	Sep 21 1988
MAXIMUM PEAK FLOW			36	Jun 2	548	Jun 4 1997
MAXIMUM PEAK STAGE			5.11	Jun 2	6.71	Jun 4 1997
ANNUAL RUNOFF (AC-FT)	8470		3080			
10 PERCENT EXCEEDS	23		8.2		30	
50 PERCENT EXCEEDS	4.1		3.0		4.1	
90 PERCENT EXCEEDS	2.7		2.3		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 September 2001 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
NOV													
08...	1325	3.3	50	8.0	0	10.8	<1	.5	<10	<.001	.056	<.002	.004
JAN													
09...	1545	2.7	54	8.4	0	9.7	E1	.3	<10	.001	.098	<.002	.005
MAR													
23...	0900	2.6	58	8.3	.5	10.8	E5	.5	<10	<.001	.068	.003	.012
MAY													
23...	1255	13	41	7.6	6.0	8.8	<1	.3	<10	<.001	.010	.002	.013
JUL													
18...	1445	4.4	41	7.9	11.0	8.0	E5	.2	<10	<.001	.013	<.002	.007
SEP													
12...	0900	4.4	47	8.4	5.0	9.2	E1	.6	<10	.002	.026	.005	.022

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV		
08...	E.003	<.007
JAN		
09...	.006	.007
MAR		
23...	.007	E.004
MAY		
23...	E.004	<.007
JUL		
18...	.007	<.007
SEP		
12...	E.004	<.007

E Estimated laboratory analysis value.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
11...	1408	2.8	47	4.5	25...	1331	3.4	53	2.2
NOV					MAY				
08...	1100	3.2	43	0	22...	1215	14	40	4.6
JAN					JUN				
10...	1105	2.7	51	0	13...	1457	6.5	36	4.0
MAR					JUL				
13...	1241	2.0	53	.3	17...	1143	4.4	43	8.9

09032100 CABIN CREEK NEAR FRASER, CO

LOCATION.--Lat 39°59'09", long 105°44'40", in NW$^1/_4$SE$^1/_4$ 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 diversions 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	e2.3	e1.9	e1.5	e1.2	e1.1	e1.3	11	11	9.6	5.5	3.7
2	2.8	e2.3	e1.9	e1.5	e1.2	e1.1	e1.5	9.6	12	9.7	5.8	3.6
3	2.8	e2.3	e1.9	e1.5	e1.2	e1.1	e1.6	7.1	12	9.5	5.3	3.4
4	3.1	e2.3	e1.9	e1.5	e1.2	e1.1	e1.7	5.7	12	9.2	4.8	3.1
5	3.4	e2.2	e1.9	e1.5	e1.2	e1.1	e1.8	5.0	11	9.4	4.5	3.2
6	3.3	e2.2	e1.9	e1.5	e1.2	e1.1	e1.8	4.3	11	9.8	5.4	3.3
7	3.2	e2.2	e1.9	e1.5	e1.2	e1.1	e1.8	3.8	11	11	4.9	3.5
8	3.1	e2.2	e1.9	e1.5	e1.2	e1.1	e1.8	5.1	11	11	4.5	4.2
9	3.1	e2.2	e1.9	e1.5	e1.2	e1.1	e1.8	6.6	11	10	5.7	4.9
10	3.0	e2.2	e1.9	e1.4	e1.2	e1.1	e1.8	6.5	11	11	5.6	6.8
11	3.0	e2.2	e1.9	e1.4	e1.2	e1.0	e2.0	6.6	11	11	5.8	6.4
12	2.8	e2.2	e1.9	e1.4	e1.2	e1.0	e2.2	9.6	11	10	4.5	5.0
13	2.8	e2.2	e1.9	e1.4	e1.2	e1.0	e2.2	9.8	11	10	4.5	4.7
14	2.7	e2.2	e1.9	e1.4	e1.2	e1.0	e2.2	10	11	11	6.4	5.1
15	2.8	e2.2	e1.9	e1.4	e1.2	e1.0	e2.2	14	11	12	7.3	4.2
16	2.7	e2.2	e1.6	e1.4	e1.2	e.98	e2.5	12	10	11	5.7	4.1
17	2.6	e2.2	e1.6	e1.4	e1.2	e1.0	e2.9	9.6	9.7	10	5.3	5.3
18	2.5	e2.2	e1.6	e1.4	e1.2	e1.0	e3.2	11	9.7	10	5.1	5.8
19	2.4	e2.2	e1.6	e1.4	e1.2	e1.1	e3.5	9.9	9.9	9.8	5.0	5.3
20	2.4	e2.2	e1.6	e1.4	e1.1	e1.1	e3.2	10	9.8	9.4	5.0	4.9
21	2.3	e2.2	e1.6	e1.4	e1.1	e1.1	e3.0	8.7	9.6	8.8	4.9	4.7
22	2.3	e2.2	e1.6	e1.4	e1.1	e1.2	e2.8	8.1	9.4	8.3	5.0	4.4
23	2.2	e2.2	e1.6	e1.4	e1.1	e1.2	e3.5	9.7	9.6	7.8	4.9	4.3
24	2.2	e2.2	e1.6	e1.4	e1.1	e1.3	e4.0	11	9.7	7.4	4.4	4.1
25	2.2	e2.2	e1.5	e1.4	e1.1	e1.3	e4.7	11	9.9	7.0	4.2	4.1
26	2.1	e1.9	e1.5	e1.4	e1.1	e1.3	e5.4	11	10	7.6	4.0	3.9
27	2.1	e1.9	e1.5	e1.4	e1.1	e1.3	e6.0	12	10	6.9	3.8	3.6
28	2.2	e1.9	e1.5	e1.4	e1.1	e1.3	e7.0	12	9.8	6.1	3.6	3.5
29	2.3	e1.9	e1.5	e1.4	---	e1.3	e8.0	12	9.7	5.6	3.7	3.5
30	2.5	e1.9	e1.5	e1.4	---	e1.3	e8.0	11	9.6	5.5	3.6	3.4
31	2.3	---	e1.5	e1.2	---	e1.3	---	11	---	5.3	3.6	---
TOTAL	82.2	64.9	53.4	44.1	32.7	35.08	95.4	284.7	314.4	280.7	152.3	130.0
MEAN	2.65	2.16	1.72	1.42	1.17	1.13	3.18	9.18	10.5	9.05	4.91	4.33
MAX	3.4	2.3	1.9	1.5	1.2	1.3	8.0	14	12	12	7.3	6.8
MIN	2.1	1.9	1.5	1.2	1.1	.98	1.3	3.8	9.4	5.3	3.6	3.1
AC-FT	163	129	106	87	65	70	189	565	624	557	302	258

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

MEAN	2.76	2.22	1.62	1.34	1.12	1.14	1.89	10.6	31.5	13.0	4.82	3.17
MAX	6.11	3.49	2.40	2.33	1.67	1.60	3.18	25.5	70.3	46.6	8.05	5.12
(WY)	1997	1997	2000	2000	2000	1997	2001	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1984 - 2001	
ANNUAL TOTAL	1859.33		1569.88			
ANNUAL MEAN	5.08		4.30			
HIGHEST ANNUAL MEAN					11.2	1997
LOWEST ANNUAL MEAN					3.77	1989
HIGHEST DAILY MEAN	58	May 30	14	May 15	112 Jun 7	1997
LOWEST DAILY MEAN	.68	May 19	e.98	Mar 16	.04 May 7	1985
ANNUAL SEVEN-DAY MINIMUM	e1.2	Mar 3	e1.0	Mar 11	.07 Apr 12	1985
MAXIMUM PEAK FLOW			22	May 15	162 Jun 8	1997
MAXIMUM PEAK STAGE			1.39	May 15	Jun 8	1997
ANNUAL RUNOFF (AC-FT)	3690		3110		4540	
10 PERCENT EXCEEDS	11		10		14	
50 PERCENT EXCEEDS	2.3		2.7		2.2	
90 PERCENT EXCEEDS	1.2		1.2		1.0	

e Estimated.
a Maximum gage height, 2.39 ft, Jun 17, 1995.

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 0.85 mi 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	8.3	e7.9	e7.8	e8.0	e7.8	e12	72	46	16	11	8.0
2	6.7	8.5	e7.9	e7.8	e8.0	e7.8	e12	92	53	15	14	9.1
3	6.5	e8.4	e7.8	e8.0	e8.0	e7.8	e12	66	58	16	17	8.3
4	6.6	e8.5	e7.8	e8.4	e8.0	e7.8	e12	55	49	15	12	7.9
5	7.5	e8.2	e7.8	e8.4	e8.0	e7.8	e14	52	39	16	11	7.6
6	6.9	e8.0	e7.8	e8.0	e8.0	e7.8	e12	51	35	20	12	8.0
7	6.7	e8.0	e7.7	e8.0	e8.0	e7.8	e12	46	36	24	15	8.8
8	6.6	e8.0	e7.7	e8.0	e8.0	e7.8	e12	49	35	28	12	15
9	6.2	e8.0	e7.7	e8.0	e8.0	e7.8	e12	58	36	29	13	15
10	6.4	e7.8	e7.7	e8.0	e8.2	e7.8	e12	63	32	26	13	17
11	6.4	e7.8	e7.7	e8.0	e8.2	e7.8	e12	71	31	47	16	19
12	6.3	e7.7	e7.8	e8.0	e8.2	e7.8	e12	84	28	26	12	16
13	6.2	e7.6	e7.8	e8.0	e8.2	e7.8	e12	96	34	30	11	13
14	6.4	e7.6	e7.8	e8.0	e8.2	e7.8	e12	98	34	31	14	18
15	6.4	e7.6	e7.8	e8.0	e8.0	e7.8	e14	102	30	37	25	13
16	6.3	e7.7	e7.8	e8.0	e8.0	e8.6	e16	99	26	26	17	11
17	6.2	e7.7	e7.9	e8.0	e8.0	e9.0	e18	95	23	21	13	12
18	6.2	e7.8	e7.9	e8.0	e8.0	e9.0	e20	104	20	20	11	14
19	6.2	e7.8	e8.0	e8.0	e8.0	e9.0	e24	93	18	18	11	13
20	6.1	e7.8	e8.1	e8.0	e8.0	e9.0	e22	83	18	16	11	11
21	6.3	e7.8	e8.2	e8.0	e8.0	e9.6	e20	74	17	16	12	9.9
22	6.3	e7.8	e8.2	e8.0	e7.8	e9.8	e18	62	17	16	12	9.7
23	6.3	e7.8	e8.2	e8.0	e7.8	e10	e24	59	18	15	13	10
24	6.7	e7.8	e8.2	e8.0	e7.8	e10	e26	57	18	14	11	10
25	7.0	e7.8	e8.0	e8.0	e7.8	e10	31	55	20	14	10	9.8
26	6.6	e7.8	e7.8	e8.0	e7.8	e10	39	51	23	16	10	9.7
27	7.1	e7.8	e7.8	e8.0	e7.8	e10	48	51	27	16	8.9	9.5
28	7.4	e7.8	e7.8	e8.0	e7.8	e10	51	53	20	13	8.7	9.3
29	8.6	e7.8	e8.2	e8.0	---	e10	56	53	18	11	8.3	9.0
30	7.9	e7.8	e8.2	e8.0	---	e10	63	49	17	11	8.3	9.3
31	8.3	---	e8.0	e8.0	---	e11	---	45	---	11	8.4	---
TOTAL	208.8	236.8	245.0	248.4	223.6	272.0	660	2138	876	630	381.6	340.9
MEAN	6.74	7.89	7.90	8.01	7.99	8.77	22.0	69.0	29.2	20.3	12.3	11.4
MAX	8.6	8.5	8.2	8.4	8.2	11	63	104	58	47	25	19
MIN	6.1	7.6	7.7	7.8	7.8	7.8	12	45	17	11	8.3	7.6
AC-FT	414	470	486	493	444	540	1310	4240	1740	1250	757	676

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

MEAN	12.3	11.1	12.2	11.4	9.29	10.1	28.4	116	167	27.5	15.6	12.7
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	6.74	7.89	7.90	8.01	7.99	8.19	22.0	68.1	29.2	12.9	6.67	6.67
(WY)	2001	2001	2001	2001	2001	1999	2001	1999	2001	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1997 - 2001	
ANNUAL TOTAL	11506.4		6461.1			
ANNUAL MEAN	31.4		17.7		28.5	
HIGHEST ANNUAL MEAN					33.6	1999
LOWEST ANNUAL MEAN					17.7	2001
HIGHEST DAILY MEAN	327	May 31	104	May 18	718	Jun 7 1997
LOWEST DAILY MEAN	4.5	Sep 16	6.1	Oct 20	4.5	Sep 16 2000
ANNUAL SEVEN-DAY MINIMUM	4.6	Sep 13	6.2	Oct 16	4.6	Sep 13 2000
MAXIMUM PEAK FLOW			120	May 17	763	Jun 9 1997
MAXIMUM PEAK STAGE			5.20	May 17	7.18	Jun 9 1997
ANNUAL RUNOFF (AC-FT)	22820		12820		20680	
10 PERCENT EXCEEDS	102		47		101	
50 PERCENT EXCEEDS	10		9.0		14	
90 PERCENT EXCEEDS	6.2		7.7		7.8	

e Estimated.

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

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
NOV													
08...	1230	8.0	89	8.1	0	10.3	E1	1.0	<10	<.001	.013	.003	.017
JAN													
10...	0815	8.1	85	8.6	0	9.9	E1	.6	<10	.001	.088	.012	.015
MAR													
22...	1040	9.8	77	8.2	0	10.6	E1	.7	<10	<.001	.055	.002	.023
MAY													
23...	1130	57	42	7.9	8.5	8.7	E5	.5	14	<.001	.010	.007	.018
JUL													
18...	1330	21	86	8.2	17.5	7.3	14	.7	<10	<.001	.008	.003	.037
SEP													
12...	1030	23	74	7.9	9.5	8.1	23	.8	<10	.001	.007	.006	.025

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV		
08...	.008	.008
JAN		
10...	.011	.009
MAR		
22...	.010	.007
MAY		
23...	.007	<.007
JUL		
18...	.023	.013
SEP		
12...	.015	.009

E Estimated laboratory analysis value.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
12...	1427	6.9	104	11.0	22...	1522	57	41	10.5
NOV					JUN				
08...	0939	8.0	89	0	13...	1216	31	70	7.5
JAN					JUL				
09...	1443	8.1	--	0	17...	0952	22	97	12.0
MAR					AUG				
13...	1605	7.8	80	0	22...	1334	13	88	17.5
APR					SEP				
24...	1656	26	75	11.5	27...	0843	9.3	84	6.0

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 2000 to September 2001 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
03...	1250	.40	145	8.3	8.5	7.8	22	.7	<10	.001	<.005	.005	.023
NOV													
07...	1030	.17	133	8.3	1.0	10.5	16	.5	<10	<.001	.005	<.002	.011
MAY													
24...	1010	19	61	8.0	4.0	11.2	<1	.2	<10	<.001	.005	<.002	.016
JUN													
14...	0845	4.0	78	8.2	3.0	9.4	15	.2	<10	<.001	<.005	.002	.010
JUL													
19...	1030	.88	130	8.0	11.0	8.1	E7	E.1	<10	<.001	.007	<.002	.018
AUG													
23...	1115	.52	147	8.0	10.5	8.5	120	.5	<10	<.001	.006	.003	.023
SEP													
11...	0900	.38	143	8.2	5.0	8.9	E11	.5	<10	.001	.007	.004	.007

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT		
03...	E.005	.005
NOV		
07...	E.003	E.004
MAY		
24...	.006	<.007
JUN		
14...	.007	E.004
JUL		
19...	.012	E.004
AUG		
23...	.011	.007
SEP		
11...	.007	E.004

E Estimated laboratory analysis value.

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.

DRAINAGE AREA.--Not determined.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
03...	1200	1.7	180	7.8	10.0	8.3	E1	.6	<10	<.001	<.005	.004	.034
NOV													
07...	1140	1.6	197	8.0	1.0	10.5	E1	.8	<10	<.001	.006	<.002	.018
DEC													
06...	1000	1.6	173	8.4	.5	8.9	E1	.5	<10	.001	.007	.008	.019
JAN													
10...	1530	1.5	--	7.9	0	10.0	<1	.6	<10	.001	.012	.007	.019
FEB													
14...	1445	1.4	174	8.0	0	10.7	E2	.5	<10	<.001	.016	<.002	.018
MAR													
22...	1200	2.0	110	7.8	.5	10.5	E3	.6	<10	<.001	.035	.009	.023
APR													
18...	1430	7.3	151	8.3	4.0	9.4	<1	.6	<10	.001	.042	.004	.037
MAY													
24...	1115	26	93	8.0	7.0	10.5	E1	.2	<10	<.001	<.005	.003	.018
JUN													
14...	0955	15	105	7.8	4.5	9.6	E5	.2	<10	<.001	<.005	.003	.014
JUL													
19...	0915	3.5	152	8.1	13.0	7.7	10	.1	<10	<.001	.008	.005	.031
AUG													
23...	1030	3.0	177	8.0	13.0	8.0	17	.4	<10	<.001	<.005	<.002	.035
SEP													
11...	1040	2.0	184	8.1	9.5	7.8	E5	.3	<10	.001	.008	.004	.033

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT		
03...	.009	.002
NOV		
07...	.006	E.005
DEC		
06...	.007	.007
JAN		
10...	E.005	E.006
FEB		
14...	E.005	E.005
MAR		
22...	.006	<.007
APR		
18...	.007	E.005
MAY		
24...	.007	<.007
JUN		
14...	.009	E.004
JUL		
19...	.020	.007
AUG		
23...	.010	E.006
SEP		
11...	.011	.007

E Estimated laboratory analysis value.

395927105505700 CROOKED CREEK ABOVE POLE CREEK AT TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°59'27", long 105°50'57", SW$^{1}/_{4}$NW$^{1}/_{4}$ 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 current year.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
03...	1500	3.8	219	8.2	11.5	7.9	E7	4.1	<10	<.001	<.005	.006	.056
NOV													
07...	1545	3.9	213	8.0	.5	10.8	E7	3.5	<10	<.001	<.005	.036	.031
DEC													
06...	0900	.25	212	8.0	0	9.1	E2	2.9	<10	.001	.082	.024	.029
JAN													
10...	1050	2.7	211	7.6	0	10.2	E4	2.9	<10	.003	.114	.022	.027
FEB													
14...	1530	2.8	205	8.1	0	10.0	E2	2.9	<10	.001	.160	.011	.031
MAR													
22...	1430	4.2	198	8.1	.5	11.2	E3	4.3	14	.001	.126	.020	.061
APR													
18...	1245	15	182	8.0	5.0	9.8	<1	1.7	<10	.002	.079	.006	.057
MAY													
24...	1215	35	107	8.0	11.5	9.4	<1	.6	11	.001	<.005	.004	.037
JUN													
14...	1100	9.8	201	7.8	6.0	9.6	>240	1.6	<10	<.001	.006	.009	.056
JUL													
19...	1300	2.3	261	8.3	19.0	7.2	31	2.6	11	<.001	.008	.005	.086
AUG													
24...	1330	4.5	245	8.2	16.5	--	57	4.3	<10	<.001	.005	.003	.075
SEP													
11...	1240	2.0	242	8.4	12.5	8.6	26	5.5	<10	.001	.007	.010	.058

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT		
03...	.018	.015
NOV		
07...	.009	.010
DEC		
06...	.014	.011
JAN		
10...	.012	.012
FEB		
14...	.011	.011
MAR		
22...	.016	.011
APR		
18...	.017	.008
MAY		
24...	.016	.009
JUN		
14...	.040	.026
JUL		
19...	.032	.017
AUG		
24...	.029	.021
SEP		
11...	.021	.016

E Estimated laboratory analysis value.

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.

DRAINAGE AREA.--Not determined.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (COL/ 100 ML) (31633)	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)
OCT													
03...	1030	.68	125	8.5	8.0	8.8	E2	--	1.0	<10	<.001	<.005	.003
NOV													
08...	0850	.51	120	8.5	0	10.2	E6	--	.8	<10	<.001	.007	<.002
AUG													
14...	1320	.32	213	8.1	14.0	7.5	45	18	1.2	<10	.001	.007	.004

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)
OCT			
03...	.076	.022	.017
NOV			
08...	.052	.020	.020
AUG			
14...	.061	.019	.015

E Estimated laboratory analysis value.

395930105510700 POLE CREEK AT MOUTH NEAR TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°59'30", long 105°51'07", SE$^{1}/_{4}$NE$^{1}/_{4}$ 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.

DRAINAGE AREA.--Not determined.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
03...	1600	.10	285	8.4	11.5	9.3	E3	2.9	<10	<.001	<.005	.006	.071
NOV													
08...	0950	.50	271	8.0	.5	10.6	E1	2.9	<10	<.001	.015	<.002	.035
DEC													
05...	1530	.50	280	7.8	0	9.5	E1	2.6	<10	.003	.170	.038	.037
JAN													
10...	1015	.50	282	7.7	0	9.2	E6	2.7	<10	.003	.230	.048	.033
FEB													
15...	0815	.50	283	8.1	0	10.1	E2	2.8	<10	.002	.233	.043	.049
MAR													
22...	1340	.50	249	8.2	.5	11.0	E1	4.2	<10	.002	.188	.034	.059
APR													
18...	1505	10	198	8.6	6.5	9.3	<1	2.5	<10	.002	.058	.010	.085
MAY													
24...	0850	21	106	8.2	6.5	8.3	16	.6	<10	<.001	.012	.010	--
JUN													
13...	1445	4.5	221	8.0	10.0	7.6	E14	1.4	<10	<.001	.007	.004	.089
JUL													
19...	1215	2.1	343	7.9	15.0	6.9	11	1.6	11	<.001	.008	.006	.066
AUG													
14...	1700	4.1	343	8.0	15.0	6.4	31	2.3	<10	<.001	.007	.008	.061
23...	1240	2.2	363	8.1	15.5	--	12	2.3	<10	<.001	.010	.017	.057
SEP													
11...	1150	2.6	331	8.1	10.0	7.7	E7	2.6	<10	.001	.008	.016	.052

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT		
03...	.022	.018
NOV		
08...	.010	.009
DEC		
05...	.018	.012
JAN		
10...	.014	.015
FEB		
15...	.015	.012
MAR		
22...	.021	.014
APR		
18...	.037	.029
MAY		
24...	--	--
JUN		
13...	.046	.034
JUL		
19...	.026	.013
AUG		
14...	.023	.016
23...	.021	.015
SEP		
11...	.019	.013

E Estimated laboratory analysis value.

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e44	e49	e42	e36	e37	e44	e48	177	121	84	65	50
2	e40	e49	e42	e36	e37	e44	e48	220	175	80	71	52
3	e37	e49	e42	e36	e37	e44	e48	162	138	79	76	50
4	e35	e49	e42	e35	e37	e44	e48	132	117	75	63	49
5	e35	e49	e41	e35	e37	e44	e48	130	104	74	61	49
6	e35	e49	e41	e35	e37	e44	e48	129	93	82	63	51
7	e35	e48	e41	e35	e37	e46	e48	116	93	104	71	56
8	e34	e48	e41	e35	e37	e46	e48	118	91	123	62	79
9	e34	e48	e41	e35	e37	e46	e48	137	86	129	63	71
10	e33	e48	e41	e35	e37	e46	e48	144	81	124	64	69
11	e33	e48	e40	e35	e37	e46	e48	154	71	165	69	68
12	e32	e47	e40	e35	e37	e46	e48	169	64	152	61	64
13	e32	e47	e40	e35	e37	e46	e48	187	86	194	57	60
14	e32	e47	e40	e35	e37	e46	46	197	98	179	70	72
15	e32	e47	e40	e35	e37	e46	52	210	82	169	104	62
16	e32	e47	e39	e35	e38	e46	71	217	73	134	74	53
17	e32	e46	e39	e35	e40	e46	108	235	64	101	63	52
18	e32	e46	e39	e35	e40	e47	153	263	57	84	60	56
19	e31	e46	e39	e34	e40	e48	165	243	53	77	57	51
20	33	e45	e38	e35	e40	e48	136	225	52	73	56	46
21	33	e45	e38	e35	e42	e48	97	217	52	72	60	43
22	33	e45	e38	e35	e42	e48	92	190	73	67	63	42
23	34	e45	e38	e35	e42	e48	81	177	174	64	73	41
24	36	e45	e37	e36	e42	e48	103	173	179	63	63	41
25	37	e45	e37	e36	e42	e48	118	168	196	63	59	40
26	37	e43	e37	e36	e42	e48	129	159	210	69	57	41
27	38	e43	e37	e36	e42	e48	144	159	195	74	54	41
28	42	e43	e37	e36	e44	e48	142	168	114	64	54	40
29	50	e43	e37	e36	---	e48	150	164	96	60	53	40
30	e49	e43	e36	e36	---	e48	162	153	90	60	52	41
31	e49	---	e36	e36	---	e48	---	143	---	62	52	---
TOTAL	1121	1392	1216	1095	1091	1441	2573	5436	3178	3000	1970	1570
MEAN	36.2	46.4	39.2	35.3	39.0	46.5	85.8	175	106	96.8	63.5	52.3
MAX	50	49	42	36	44	48	165	263	210	194	104	79
MIN	31	43	36	34	37	44	46	116	52	60	52	40
AC-FT	2220	2760	2410	2170	2160	2860	5100	10780	6300	5950	3910	3110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

MEAN	48.8	41.3	40.0	36.7	39.8	53.4	109	229	334	104	84.4	58.5
MAX	67.4	46.4	46.6	39.2	41.1	62.4	142	338	589	135	136	77.0
(WY)	2000	2001	1999	1999	1999	1999	2000	2000	1999	1999	1999	1999
MIN	36.2	34.4	34.1	35.3	39.0	46.5	85.8	175	106	79.3	53.5	46.3
(WY)	2001	2000	2000	2001	2001	2001	2001	1999	2001	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1999 - 2001	
ANNUAL TOTAL	37002		25083			
ANNUAL MEAN	101		68.7		98.2	
HIGHEST ANNUAL MEAN					124	1999
LOWEST ANNUAL MEAN					68.7	2001
HIGHEST DAILY MEAN	827	Jun 1	263	May 18	894	Jun 23 1999
LOWEST DAILY MEAN	e31	Jan 9	e31	Oct 19	e29	Mar 7 1999
ANNUAL SEVEN-DAY MINIMUM	e32	Oct 13	e32	Oct 13	e31	Mar 4 1999
MAXIMUM PEAK FLOW			293	May 18	1040	Jun 1 2000
MAXIMUM PEAK STAGE			3.74	May 18	5.33	Jun 1 2000
ANNUAL RUNOFF (AC-FT)	73390		49750		71160	
10 PERCENT EXCEEDS	259		152		202	
50 PERCENT EXCEEDS	48		48		51	
90 PERCENT EXCEEDS	35		35		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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV													
06...	49	10.4	8.2	122	.2	51.3	16.5	2.45	1.52	.310	5.1	56	3.5
DEC													
05...	40	11.0	8.3	128	.1	52.6	16.6	2.70	--	--	--	--	3.9
MAR													
23...	48	10.8	8.3	146	1.2	54.2	16.7	3.01	2.39	.418	7.1	56	8.2
APR													
18...	111	10.3	8.4	130	3.5	51.3	16.4	2.53	--	--	--	--	6.1
MAY													
23...	185	9.0	8.0	76	6.6	33.4	10.7	1.65	.91	.234	3.1	35	2.5
JUN													
14...	89	9.4	8.6	99	6.9	42.0	13.6	1.97	--	--	--	--	3.4
28...	116	8.9	8.6	--	13.5	35.6	10.9	2.06	--	--	--	--	4.9
JUL													
18...	93	8.3	8.3	94	11.4	39.9	12.2	2.28	1.18	.279	4.0	43	3.9
AUG													
22...	56	8.5	8.7	101	16.2	40.2	12.2	2.36	--	--	--	--	4.4
SEP													
12...	69	8.7	8.3	98	12.2	38.9	12.0	2.13	1.19	.291	4.2	43	4.1

DATE	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)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
NOV													
06...	.3	14.4	3.3	.1	11	81	81.1	.008	.14	.20	.205	.067	.070
DEC													
05...	--	--	--	--	--	--	--	.111	--	--	--	.388	.395
MAR													
23...	.2	13.8	4.5	.1	13	98	93.0	.141	.40	.47	1.10	.693	.703
APR													
18...	--	--	--	--	--	--	--	.022	--	--	--	.180	.185
MAY													
23...	.2	11.0	3.1	.1	26	53	54.4	<.002	.22	.28	.238	.017	.019
JUN													
14...	--	--	--	--	--	--	--	.010	--	--	--	.015	.018
28...	--	--	--	--	--	--	--	.011	--	--	--	.039	.041
JUL													
18...	.2	11.5	1.8	.1	19	75	63.4	.027	.21	.30	.274	.054	.061
AUG													
22...	--	--	--	--	--	--	--	.006	--	--	--	.043	.047
SEP													
12...	.3	11.7	2.7	.1	13	68	64.7	.004	.20	.26	.249	.046	.050

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	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)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
NOV												
06...	.003	.127	.193	.271	.015	.013	.036	2.4	.3	E1	190	23.7
DEC												
05...	.007	--	--	--	.027	.021	.051	--	--	E1	--	--
MAR												
23...	.010	.261	.330	1.17	.084	.077	.153	3.6	.4	<1	130	52.6
APR												
18...	.005	--	--	--	.028	.022	.099	--	--	<1	--	--
MAY												
23...	.002	--	--	.299	.022	.014	.050	5.5	.3	E5	140	19.3
JUN												
14...	.003	--	--	--	.034	.024	.061	--	--	E130	--	--
28...	.002	--	--	--	.030	.024	.055	--	--	64	--	--
JUL												
18...	.007	.186	.271	.359	.044	.030	.063	3.9	.5	10	250	20.3
AUG												
22...	.004	--	--	--	.042	.030	.070	--	--	--	--	--
SEP												
12...	.004	.195	.257	.311	.030	.022	.056	3.6	.2	E7	280	14.2

E Estimated laboratory analysis value.

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	DATE	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					MAR				
06...	49	.2	9	1.2	23...	48	1.2	29	3.8
DEC					MAY				
05...	40	.1	10	1.1	23...	185	6.6	11	5.5

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.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 1999 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
NOV													
07...	0830	41	139	8.4	0	9.4	E1	4.2	<10	.002	.060	<.002	.027
JAN													
10...	1320	39	127	7.7	0	10.6	E1	3.5	<10	.007	.585	.127	.078
MAR													
22...	0930	55	137	8.1	0	11.5	E5	8.3	10	.006	.634	.081	.115
MAY													
22...	1045	243	76	8.4	6.0	10.0	E3	2.6	<10	.002	.022	.003	.047
JUL													
18...	1225	94	99	8.8	16.0	8.9	17	3.5	<10	<.001	.013	.005	.050
SEP													
11...	1500	74	112	8.6	15.0	8.2	E8	3.8	<10	.003	.011	.006	.050

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV		
07...	.012	.010
JAN		
10...	.049	.044
MAR		
22...	.068	.061
MAY		
22...	.020	.010
JUL		
18...	.035	.022
SEP		
11...	.029	.021

E Estimated laboratory analysis value.

400207105565900 TENMILE CREEK ABOVE POND ABOVE EIGHTMILE CREEK NEAR GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°02'07", long 105°56'59", $SE^{1}/_{4}NE^{1}/_{4}$ sec. 19, T.1 N., R.76 W., Grand County, Hydrologic Unit 14010001, approximately 0.5 mi above the confluence with Eightmile Creek, and 3.5 mi southeast of Granby.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 1999 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (COL/ 100 ML) (31633)	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)
NOV													
07...	1420	1.9	274	8.4	1.5	12.1	18	--	3.0	<10	<.001	.025	.004
AUG													
15...	1145	2.6	339	8.3	16.0	8.1	180	<1	3.0	<10	<.001	<.005	.008

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)
NOV			
07...	.071	.033	.032
AUG			
15...	.171	.083	.069

400352105550700 TENMILE CREEK NEAR GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°03'52", long 105°55'07", NE$^{1}/_{4}$SE$^{1}/_{4}$ sec. 8, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, approximately 3 mi below the confluence with Ninemile Creek, and 1 mi east of Granby.

DRAINAGE AREA.--Not determined.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
NOV													
07...	1330	2.5	354	8.4	4.0	10.2	E1	4.4	14	<.001	<.005	.005	.096
JAN													
10...	1420	1.9	295	8.0	.5	7.8	12	3.0	12	.005	.111	.179	.074
MAR													
22...	0830	5.3	311	8.1	1.0	9.0	E8	7.3	<10	.005	.189	.209	.195
MAY													
23...	1430	16	214	8.1	10.5	7.8	27	1.6	15	.001	.012	.012	.114
JUL													
18...	1055	1.3	369	8.4	19.5	6.7	E6	4.2	11	.023	.059	.155	.116
AUG													
15...	1540	3.2	301	9.0	19.5	6.8	E18	5.4	20	.028	.054	.320	.225

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV		
07...	.016	.012
JAN		
10...	.018	.015
MAR		
22...	.115	.095
MAY		
23...	.057	.042
JUL		
18...	.037	.010
AUG		
15...	.063	.028

E Estimated laboratory analysis value.

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	108	e70	e79	e74	e83	94	167	158	243	176	80
2	59	98	e86	e65	e76	e83	119	150	157	243	156	89
3	54	79	e71	e66	e74	e83	127	143	160	246	148	76
4	54	79	e70	e88	e75	e83	161	97	148	240	123	73
5	58	85	e77	e56	e84	e83	169	88	162	230	120	73
6	62	104	e78	e76	e84	e83	151	88	168	222	127	73
7	61	60	e68	e76	e70	e82	133	88	177	244	149	75
8	58	62	e77	e76	e72	e83	130	89	178	287	132	111
9	56	e68	e74	e81	e85	e101	111	111	189	307	128	106
10	59	e68	e74	e68	e76	e87	127	95	182	265	137	84
11	58	80	e74	e74	e76	e82	121	88	191	329	158	85
12	57	e79	e76	e76	e76	e83	109	92	173	278	133	85
13	57	e68	e76	e76	e76	e83	103	89	180	377	116	74
14	56	e68	e86	e77	e83	e83	102	88	193	367	127	86
15	58	e68	e85	e75	e83	e74	111	92	188	360	175	96
16	59	e86	e52	e78	e84	e82	120	107	188	302	150	82
17	65	e86	e85	e78	e84	e82	163	144	190	276	132	73
18	67	e84	e76	e76	e77	e82	202	198	192	246	126	77
19	70	e96	e74	e67	e78	e82	236	188	196	225	114	75
20	77	e114	e74	e77	e88	e82	221	174	183	206	116	54
21	66	e76	e84	e76	e81	e118	163	159	173	194	120	61
22	70	e70	e58	e76	e82	e87	156	131	186	184	117	55
23	70	e85	e77	e76	e83	119	135	104	198	181	122	56
24	71	e67	e98	e76	e74	115	160	113	193	180	115	57
25	72	e85	e76	e66	e76	116	190	126	161	194	102	51
26	70	e70	e77	e77	e77	134	197	129	166	191	99	56
27	69	e85	e77	e78	e86	141	215	125	186	223	88	51
28	71	e85	e79	e78	e86	140	214	131	171	182	87	59
29	76	e92	e79	e78	---	83	219	132	187	169	85	67
30	77	e66	e78	e66	---	94	164	139	229	158	85	52
31	83	---	e79	e75	---	94	---	138	---	168	86	---
TOTAL	2002	2421	2365	2307	2220	2907	4623	3803	5403	7517	3849	2192
MEAN	64.6	80.7	76.3	74.4	79.3	93.8	154	123	180	242	124	73.1
MAX	83	114	98	88	88	141	236	198	229	377	176	111
MIN	54	60	52	56	70	74	94	88	148	158	85	51
AC-FT	3970	4800	4690	4580	4400	5770	9170	7540	10720	14910	7630	4350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2001, BY WATER YEAR (WY)

MEAN	114	104	81.2	79.1	79.2	115	305	668	956	532	183	116
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	123	180	172	106	65.4
(WY)	1982	1982	1982	1989	1982	1983	1983	2001	2001	1989	1989	1989

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1982 - 2001	
ANNUAL TOTAL	83840		41609			
ANNUAL MEAN	229		114		278	
HIGHEST ANNUAL MEAN					726	1984
LOWEST ANNUAL MEAN					114	2001
HIGHEST DAILY MEAN	2180	Jun 1	377	Jul 13	4930	May 25 1984
LOWEST DAILY MEAN	46	Sep 19	51	Sep 25	38	Dec 20 1995
ANNUAL SEVEN-DAY MINIMUM	51	Sep 15	55	Sep 22	51	Oct 1 1981
MAXIMUM PEAK FLOW			422	Jul 13	5260	May 25 1984
MAXIMUM PEAK STAGE			3.63	Jul 13	7.34	May 25 1984
ANNUAL RUNOFF (AC-FT)	166300		82530		201500	
10 PERCENT EXCEEDS	599		192		637	
50 PERCENT EXCEEDS	89		86		110	
90 PERCENT EXCEEDS	65		66		70	

e Estimated.

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

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
OCT													
12...	1230	58	147	8.9	11.0	9.6	54.8	17.0	2.99	7.3	.426	1.44	68
APR													
11...	1145	105	148	8.9	5.0	11.4	60.8	18.8	3.32	7.2	.403	1.80	61
AUG													
30...	1100	82	128	8.5	14.5	8.2	52.8	16.3	2.92	6.2	.370	1.26	59

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, 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)	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													
12...	4.4	3.3	.2	8.9	86.6	.12	14	<10	<.006	E.025	<.041	.27	.22
APR													
11...	7.6	5.4	.2	10.6	92.6	.13	26	<10	E.004	.142	<.041	.46	.30
AUG													
30...	3.6	3.0	.2	10.6	79.6	.11	18	10	<.006	E.026	<.040	.26	.21

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)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	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)
OCT													
12...	E.044	<.060	.028	<.05	<2	<2.0	15.4	<1.00	<.11	<.14	M	<.8	<1.0
APR													
11...	.063	E.031	.023	.08	<2	<2.0	18.5	<1.00	<.11	<.14	<1	<.8	1.4
AUG													
30...	E.030	<.060	.018	E.04	<2	<2.0	13.5	<1.00	<.10	<.10	<1	<.8	1.0

DATE	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 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)
OCT													
12...	.7	210	<1	E.04	23.2	<.14	<.23	<1	.41	<1.0	<.3	<1.00	<1.0
APR													
11...	.9	210	<1	E.06	54.6	<.01	<.01	1	.17	<.4	<.3	<.05	<1.0
AUG													
30...	.6	190	<1	E.06	27.9	<.01	<.01	<1	<.06	<.4	.4	<.05	<1.0

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT		
12...	1	<1
APR		
11...	3	2
AUG		
30...	3	<1

E Estimated laboratory anaylsis value.
M Presence of material verified but not quantified.

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

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
12...	0815	58	146	6.5	24...	1128	117	113	13.0
NOV					JUN				
07...	1503	58	136	1.5	14...	1036	202	141	8.0
JAN					JUL				
11...	1238	70	127	0	10...	1413	225	143	19.0
MAR					AUG				
15...	1640	72	135	0	21...	1720	101	135	16.5
APR					SEP				
25...	0945	192	140	7.5	26...	1716	54	145	17.0

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	e2.1	e1.2	e1.1	e.90	e.83	e.82	e7.0	61	28	8.2	4.3
2	4.1	e2.0	e1.2	e1.1	e.90	e.83	e.82	e14	68	25	8.4	4.0
3	4.6	e2.0	e1.2	e1.0	e.90	e.83	e.86	6.4	70	23	7.8	3.9
4	4.9	e2.1	e1.1	e1.0	e.90	e.83	e.90	5.0	61	22	7.3	3.7
5	4.8	e2.0	e1.1	e1.0	e.90	e.82	e.94	3.3	58	22	6.8	3.7
6	4.3	e1.9	e1.2	e1.0	e.90	e.82	e.90	2.9	65	22	7.1	4.3
7	4.1	e1.8	e1.2	e1.0	e.90	e.82	e.90	2.9	70	23	6.8	4.9
8	4.1	e1.7	e1.2	e1.0	e.90	e.80	e.90	4.0	72	31	7.3	4.9
9	3.9	e1.6	e1.2	e1.0	e.90	e.80	e.90	5.7	66	26	7.1	5.8
10	3.7	e1.6	e1.2	e.96	e.90	e.80	e.90	7.7	67	26	7.2	5.3
11	3.5	e1.6	e1.2	e.96	e.86	e.80	e.90	14	67	27	6.7	4.6
12	3.4	e1.6	e1.2	e.96	e.86	e.80	e.90	18	58	28	6.1	4.0
13	3.2	e1.6	e1.2	e.96	e.86	e.80	e.90	21	51	31	6.1	4.9
14	3.2	e1.6	e1.2	e.96	e.86	e.78	e.90	27	39	30	9.9	5.2
15	e3.2	e1.6	e1.2	e.96	e.86	e.80	e.90	31	36	28	11	4.7
16	e3.2	e1.6	e1.2	e.96	e.86	e.80	e.98	32	35	24	9.4	4.4
17	e3.2	e1.6	e1.2	e.96	e.86	e.80	e1.1	30	38	20	8.4	6.0
18	e3.1	e1.4	e1.2	e.96	e.86	e.80	e1.2	29	39	18	7.8	5.4
19	e3.0	e1.4	e1.2	e.96	e.86	e.80	e1.2	30	40	16	7.5	4.9
20	e2.8	e1.3	e1.2	e.96	e.86	e.80	e1.1	31	39	15	7.7	4.6
21	e2.8	e1.3	e1.2	e.96	e.83	e.80	e1.0	26	39	14	7.3	4.5
22	2.7	e1.3	e1.2	e.96	e.83	e.80	e1.0	22	38	12	8.2	4.3
23	e2.5	e1.4	e1.2	e.96	e.83	e.80	e1.0	25	37	11	7.7	4.2
24	2.4	e1.3	e1.2	e.96	e.83	e.80	e1.0	30	38	10	6.5	4.0
25	2.3	e1.3	e1.2	e.96	e.83	e.80	e1.1	34	39	10	6.0	3.9
26	e2.3	e1.3	e1.1	e.96	e.83	e.80	e1.8	36	39	12	5.6	3.7
27	e2.2	e1.3	e1.1	e.96	e.83	e.80	e2.5	44	37	9.7	5.2	3.6
28	2.2	e1.3	e1.1	e.96	e.83	e.80	e4.0	43	33	8.5	5.0	3.5
29	2.2	e1.3	e1.1	e.96	---	e.80	e5.0	41	32	7.8	4.8	3.4
30	e2.3	e1.2	e1.1	e.96	---	e.82	e6.0	49	31	7.4	4.5	3.3
31	e2.2	---	e1.1	e.96	---	e.82	---	51	---	7.6	4.5	---
TOTAL	100.8	47.1	36.4	30.32	24.24	25.00	43.32	722.9	1463	595.0	219.9	131.9
MEAN	3.25	1.57	1.17	.98	.87	.81	1.44	23.3	48.8	19.2	7.09	4.40
MAX	4.9	2.1	1.2	1.1	.90	.83	6.0	51	72	31	11	6.0
MIN	2.2	1.2	1.1	.96	.83	.78	.82	2.9	31	7.4	4.5	3.3
AC-FT	200	93	72	60	48	50	86	1430	2900	1180	436	262

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

MEAN	3.01	1.72	1.09	.87	.79	.77	1.42	15.1	57.0	30.0	9.60	4.65
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1966 - 2001	
ANNUAL TOTAL	3505.47		3439.88			
ANNUAL MEAN	9.58		9.42		10.5	
HIGHEST ANNUAL MEAN					15.5	1984
LOWEST ANNUAL MEAN					6.28	1977
HIGHEST DAILY MEAN	95	May 30	72	Jun 8	146	Jun 25 1983
LOWEST DAILY MEAN	e.68	Mar 3	e.78	Mar 14	.44	Feb 11 1972
ANNUAL SEVEN-DAY MINIMUM	e.69	Mar 22	e.80	Mar 8	.46	Feb 11 1972
MAXIMUM PEAK FLOW			95	Jun 8	290	Jun 28 1988
MAXIMUM PEAK STAGE			4.31	Jun 8	a5.19	Jun 28 1988
ANNUAL RUNOFF (AC-FT)	6950		6820		7620	
10 PERCENT EXCEEDS	30		32		33	
50 PERCENT EXCEEDS	2.3		2.3		2.0	
90 PERCENT EXCEEDS	.74		.83		.70	

e Estimated.
a 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	e1.5	e.74	e.90	e2.0	e1.7	e1.8	e10	e54	2.9	1.8	.90
2	.92	e1.7	e.72	e.90	e1.6	e1.7	e2.2	e26	e66	22	1.8	.90
3	.95	e1.8	e.72	e.70	e1.7	e1.7	e2.2	e20	e69	2.8	1.6	.90
4	1.1	e.86	e1.5	e1.2	e1.7	e1.7	e1.5	e18	e59	2.5	1.5	.90
5	1.1	e.80	e1.3	e.70	e2.2	e1.9	e2.8	e16	20	2.3	1.5	.90
6	.96	e.86	e1.6	e.70	e1.7	e1.7	e1.8	e15	25	2.4	7.9	.96
7	.90	e.91	e1.1	e.70	e1.7	e1.7	e1.8	e16	32	2.7	1.9	1.3
8	.86	e.98	e1.5	e1.3	e.90	e1.7	e1.8	e16	88	4.0	1.9	1.3
9	.84	e1.4	e1.5	e.80	e.70	e1.7	e1.8	e13	111	26	1.5	1.4
10	.84	e.76	e1.5	e1.6	e1.6	e1.7	e1.8	e10	117	35	1.6	1.3
11	.82	e.76	e1.5	e1.6	e1.7	e1.7	e1.8	e21	154	58	1.5	1.2
12	1.0	e.76	e1.5	e1.3	e2.2	e1.7	e1.8	e24	154	62	1.3	1.1
13	.92	e1.4	e1.5	e.72	e1.7	e1.7	e2.7	e22	130	67	1.3	1.1
14	.90	e.70	e1.5	e.72	e1.3	e1.7	e2.0	e47	84	63	1.7	1.3
15	.96	e.64	e1.5	e.72	e1.7	e1.7	e1.7	e29	25	60	1.9	1.1
16	1.1	e.60	e1.5	e1.3	e1.7	e1.7	e1.6	e25	6.1	52	1.5	.98
17	1.3	e1.5	e1.3	e1.1	e1.7	e1.7	e1.6	e22	5.3	46	1.4	5.0
18	1.3	e.80	e.72	e1.1	e1.7	e1.7	e1.6	e24	41	32	1.3	1.4
19	1.8	e.80	e.72	e1.1	e1.7	e1.7	e1.6	e33	5.2	3.1	1.2	1.2
20	1.1	e1.2	e.72	e.78	e1.7	e1.7	e1.6	e33	4.6	2.6	1.2	1.1
21	1.1	e1.5	e.72	e.72	e1.7	e1.7	e1.8	e47	48	2.4	1.2	1.0
22	.86	e2.0	e.72	e1.9	e2.2	e1.7	e2.2	e30	87	2.1	1.4	.97
23	.82	e.90	e.72	e1.6	e1.7	e1.7	e3.3	e14	83	13	1.5	.93
24	.84	e.72	e.72	e2.2	e1.7	e1.7	e2.0	e18	83	2.3	1.2	.90
25	.91	e.72	e.90	e1.6	e1.7	e1.7	e2.2	e9.0	84	2.0	1.1	.90
26	e.94	e.72	e.90	e1.6	e1.7	e1.7	e2.5	e9.0	86	2.3	1.1	.84
27	e1.0	e1.4	e.90	e1.6	e1.9	e1.7	e3.8	e5.0	84	2.1	1.0	.84
28	e.82	e.80	e1.7	e1.6	e2.3	e1.7	e3.9	e15	75	1.8	1.0	.84
29	e1.2	e2.5	e.90	e1.6	---	e1.7	e4.0	e40	34	1.8	.97	.84
30	e1.0	e2.5	e.90	e1.6	---	e2.4	e4.7	e18	3.3	8.5	.91	.84
31	e1.1	---	e.90	e2.2	---	e1.7	---	e21	---	1.8	.90	---
TOTAL	31.36	34.49	34.62	38.16	47.80	53.6	67.9	666.0	1917.5	588.4	49.58	35.14
MEAN	1.01	1.15	1.12	1.23	1.71	1.73	2.26	21.5	63.9	19.0	1.60	1.17
MAX	1.8	2.5	1.7	2.2	2.3	2.4	4.7	47	154	67	7.9	5.0
MIN	.82	.60	.72	.70	.70	1.7	1.5	5.0	3.3	1.8	.90	.84
AC-FT	62	68	69	76	95	106	135	1320	3800	1170	98	70
a	387	206	202	145	111	121	245	3190	3450	1770	944	551

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2001, BY WATER YEAR (WY)

MEAN	5.53	3.57	2.49	2.08	2.00	2.05	3.85	32.5	118	57.7	12.2	7.08
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1934 - 2001	
ANNUAL TOTAL	7378.17		b3564.55			
ANNUAL MEAN	20.2		b9.77		c26.6	
HIGHEST ANNUAL MEAN					39.0	1995
LOWEST ANNUAL MEAN					4.11	1976
HIGHEST DAILY MEAN	256	May 31	154	Jun 11	395	Jul 12 1995
LOWEST DAILY MEAN	e.60	Nov 16	e.60	Nov 16	.20	Mar 6 1967
ANNUAL SEVEN-DAY MINIMUM	e.72	Dec 18	e.72	Dec 18	.27	Feb 13 1971
MAXIMUM PEAK FLOW			211	Jun 11	d516	Jul 11 1995
MAXIMUM PEAK STAGE			4.62	Jun 11	f5.64	Jul 11 1995
ANNUAL RUNOFF (AC-FT)	14630		b7070		c19270	
10 PERCENT EXCEEDS	73		31		69	
50 PERCENT EXCEEDS	3.0		1.7		3.6	
90 PERCENT EXCEEDS	.85		.82		.62	

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 with satellite telemetry. 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. Feb. 1, 1983 to Oct. 19, 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 and period Jan. 3 to Apr. 1, 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	7.9	e7.8	e7.9	e6.0	5.9	6.4	37	148	49	20	10
2	8.4	8.6	e7.7	e7.7	6.5	5.8	6.4	43	136	67	21	9.8
3	8.6	e8.4	e7.6	7.7	6.1	5.6	6.8	30	165	47	19	9.4
4	9.6	e8.3	e7.5	7.3	6.0	5.9	8.6	29	184	42	18	9.5
5	9.7	8.1	e7.4	e7.2	6.3	5.7	8.5	31	114	41	17	9.6
6	8.9	e8.4	e7.4	e7.0	e6.3	5.9	7.5	34	117	44	28	9.4
7	8.4	e8.4	e7.4	6.8	6.4	5.8	7.7	32	141	45	21	12
8	8.2	8.4	e7.4	6.3	6.5	5.7	7.0	28	195	58	20	14
9	8.2	e8.2	e7.4	e6.2	6.5	5.9	e7.5	36	234	71	18	13
10	8.1	e7.9	e7.5	e6.2	6.6	5.9	8.0	42	230	62	17	14
11	8.0	e7.9	e7.5	e6.2	6.2	5.6	9.7	50	265	109	17	12
12	7.8	e7.9	e7.5	e6.2	6.0	6.0	7.6	59	268	103	16	11
13	7.8	e7.9	e7.6	e6.1	6.5	6.0	7.2	71	239	116	15	11
14	7.7	e7.8	e7.6	e6.1	6.3	5.6	7.6	95	181	117	19	14
15	7.4	e7.7	e7.7	6.8	6.2	6.1	8.8	87	113	108	21	11
16	7.5	e7.5	e7.8	6.1	6.0	5.9	9.2	88	79	93	17	10
17	7.5	e7.4	e7.8	e5.7	5.8	5.7	11	85	76	84	16	15
18	7.9	e7.3	e7.9	e5.5	5.9	5.6	13	102	115	76	14	14
19	8.0	e7.3	e8.1	e5.3	6.0	5.7	15	87	77	34	14	11
20	8.3	e7.4	e8.3	e5.2	5.8	6.1	13	86	73	32	14	9.9
21	7.8	e7.3	e8.4	5.1	5.8	6.4	9.7	101	103	29	14	9.3
22	7.7	e7.5	e8.5	5.1	6.0	7.2	11	75	164	26	13	8.9
23	7.7	e7.5	e8.5	e4.9	6.3	6.7	14	64	159	36	15	8.6
24	7.7	e7.6	e8.6	e4.7	5.9	9.3	9.3	71	157	26	13	8.3
25	7.7	e7.6	e8.6	e4.2	5.6	7.2	10	75	159	23	13	8.1
26	7.2	e7.6	e8.7	4.2	5.6	7.2	15	78	159	27	13	8.0
27	7.5	e7.7	e8.6	3.8	5.8	6.6	18	84	159	25	11	7.8
28	8.1	e7.8	e8.6	3.5	5.7	6.2	22	90	140	21	11	7.8
29	9.4	e7.7	e8.5	4.3	---	6.3	26	130	105	19	11	7.7
30	8.5	e7.8	e8.4	4.9	---	6.2	32	94	54	26	10	7.8
31	8.2	---	e8.2	5.5	---	6.2	---	102	---	22	10	---
TOTAL	252.6	234.8	246.5	179.7	170.6	191.9	343.5	2116	4509	1678	496	311.9
MEAN	8.15	7.83	7.95	5.80	6.09	6.19	11.4	68.3	150	54.1	16.0	10.4
MAX	9.7	8.6	8.7	7.9	6.6	9.3	32	130	268	117	28	15
MIN	7.2	7.3	7.4	3.5	5.6	5.6	6.4	28	54	19	10	7.7
AC-FT	501	466	489	356	338	381	681	4200	8940	3330	984	619

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

MEAN	12.4	9.66	8.05	6.73	6.14	6.62	11.7	63.5	205	105	27.5	16.1
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1966 - 2001	
ANNUAL TOTAL	14357.7		10730.5			
ANNUAL MEAN	39.2		29.4		39.9	
HIGHEST ANNUAL MEAN					71.3	1984
LOWEST ANNUAL MEAN					17.6	1976
HIGHEST DAILY MEAN	350	May 31	268	Jun 12	555	Jul 12 1995
LOWEST DAILY MEAN	7.2	Oct 26	3.5	Jan 28	2.7	Apr 5 1977
ANNUAL SEVEN-DAY MINIMUM	e7.4	Nov 16	4.2	Jan 23	2.8	Mar 31 1977
MAXIMUM PEAK FLOW			341	Jun 11	751	Jun 17 1995
MAXIMUM PEAK STAGE			7.65	Jun 11	a6.94	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	28480		21280		28910	
10 PERCENT EXCEEDS	126		93		119	
50 PERCENT EXCEEDS	8.8		8.4		11	
90 PERCENT EXCEEDS	7.7		5.9		5.0	

e Estimated.
a Maximum gage height, 7.65 ft, Jun 11, 2001, 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	e2.9	e2.5	e2.2	e2.2	e1.8	e2.6	7.9	51	16	7.1	3.6
2	3.6	e2.9	e2.5	e2.2	e2.1	e1.7	e2.5	8.4	55	15	7.6	3.5
3	3.6	e2.9	e2.5	e2.2	e2.1	e1.8	e2.6	6.1	57	15	6.6	3.5
4	3.8	e2.8	e2.4	e2.2	e2.1	e1.8	e2.7	5.3	49	14	5.2	3.5
5	3.8	e2.8	e2.4	e2.2	e2.1	e1.8	e2.8	4.9	45	14	4.7	3.4
6	3.5	e2.8	e2.4	e2.2	e2.1	e1.8	e2.9	4.5	49	14	5.0	3.5
7	3.4	e2.7	e2.4	e2.2	e2.1	e1.8	e2.9	4.7	53	16	4.6	4.4
8	3.4	e2.7	e2.4	e2.2	e2.1	e1.9	e2.8	5.8	53	17	4.9	4.7
9	3.4	e2.7	e2.4	e2.2	e2.0	e1.9	e2.7	7.4	50	14	4.5	5.3
10	3.4	e2.7	e2.4	e2.2	e2.0	e1.9	e2.7	9.2	50	13	4.8	5.1
11	3.3	e2.7	e2.4	e2.2	e2.0	e1.9	e2.7	12	50	12	5.1	4.3
12	3.3	e2.6	e2.4	e2.2	e2.0	e2.0	e2.7	15	44	12	3.9	3.8
13	3.2	e2.6	e2.4	e2.2	e2.0	e2.0	e2.7	18	39	13	3.7	4.1
14	3.3	e2.6	e2.4	e2.2	e2.0	e2.0	e2.7	20	33	13	6.4	4.5
15	3.3	e2.6	e2.4	e2.2	e1.9	e2.0	e2.7	23	32	13	7.3	3.9
16	3.2	e2.6	e2.3	e2.2	e1.9	e2.0	e2.6	26	29	11	5.9	3.6
17	3.2	e2.6	e2.3	e2.2	e1.9	e2.0	e2.5	26	28	10	5.3	5.0
18	3.1	e2.6	e2.3	e2.2	e1.9	e2.0	2.9	27	27	9.4	4.8	4.7
19	3.1	e2.6	e2.3	e2.2	e1.9	e2.2	3.2	29	27	9.5	4.6	3.9
20	3.1	e2.6	e2.3	e2.2	e1.9	e2.3	3.0	29	26	9.2	4.8	3.7
21	3.1	e2.5	e2.3	e2.2	e1.9	e2.6	2.6	26	25	8.6	4.8	3.6
22	3.1	e2.5	e2.3	e2.2	e1.8	e2.5	e2.5	23	24	8.2	5.1	3.5
23	3.1	e2.5	e2.3	e2.2	e1.8	e2.6	e2.5	25	23	7.8	5.3	3.4
24	3.1	e2.5	e2.2	e2.2	e1.8	e2.5	2.5	27	22	7.6	4.4	3.4
25	3.1	e2.5	e2.2	e2.2	e1.8	e2.3	2.6	29	22	7.5	4.2	3.4
26	3.2	e2.5	e2.2	e2.2	e1.8	e2.3	3.0	31	21	8.3	4.0	3.3
27	3.1	e2.5	e2.2	e2.2	e1.8	e2.4	3.5	35	20	7.4	3.8	3.2
28	3.2	e2.5	e2.2	e2.2	e1.8	e2.4	4.0	35	19	6.3	3.7	3.2
29	3.4	e2.5	e2.2	e2.2	---	e2.5	4.5	37	18	5.5	3.7	3.2
30	3.3	e2.5	e2.2	e2.2	---	e2.6	5.3	41	17	5.2	3.6	3.2
31	3.0	---	e2.2	e2.2	---	e2.6	---	44	---	6.3	3.7	---
TOTAL	102.5	79.0	72.3	68.2	54.8	65.9	87.9	642.2	1058	338.8	153.1	115.4
MEAN	3.31	2.63	2.33	2.20	1.96	2.13	2.93	20.7	35.3	10.9	4.94	3.85
MAX	3.8	2.9	2.5	2.2	2.2	2.6	5.3	44	57	17	7.6	5.3
MIN	3.0	2.5	2.2	2.2	1.8	1.7	2.5	4.5	17	5.2	3.6	3.2
AC-FT	203	157	143	135	109	131	174	1270	2100	672	304	229

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

MEAN	4.07	3.14	2.57	2.19	2.01	2.02	2.85	15.3	47.5	21.8	7.30	4.67
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1966 - 2001	
ANNUAL TOTAL	3214.7		2838.1			
ANNUAL MEAN	8.78		7.78		9.62	
HIGHEST ANNUAL MEAN					18.1	1983
LOWEST ANNUAL MEAN					5.64	1977
HIGHEST DAILY MEAN	88	May 30	57	Jun 3	175	Jun 25 1983
LOWEST DAILY MEAN	e1.9	Mar 5	e1.7	Mar 2	1.0	Jan 12 1975
ANNUAL SEVEN-DAY MINIMUM	e2.0	Feb 28	e1.8	Feb 24	1.1	Feb 24 1975
MAXIMUM PEAK FLOW			76	Jun 1	a241	Jun 30 1984
MAXIMUM PEAK STAGE			4.86	Jun 1	b4.30	Jun 30 1984
ANNUAL RUNOFF (AC-FT)	6380		5630		6970	
10 PERCENT EXCEEDS	22		24		27	
50 PERCENT EXCEEDS	3.2		3.1		3.4	
90 PERCENT EXCEEDS	2.0		2.0		1.9	

e Estimated.
a From rating curve extended above 100 ft^3/s.
b 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	12	e11	e9.9	e8.7	e8.2	e11	37	161	66	28	14
2	14	e13	e11	e9.9	e8.7	e8.0	e10	41	174	63	29	14
3	14	e13	e11	e9.9	e8.7	e7.7	e11	29	177	61	26	13
4	15	e12	e11	e9.9	e8.7	e7.5	e11	24	156	56	23	13
5	15	e12	e10	e9.8	e8.7	e7.7	e14	22	146	55	22	13
6	14	e12	e10	e9.8	e8.7	e7.9	e13	19	151	57	23	13
7	14	e12	e10	e9.8	e8.7	e8.0	e13	20	165	57	22	16
8	13	e13	e10	e9.8	e8.7	e8.0	e12	25	177	73	22	17
9	13	e13	e10	e9.8	e8.7	e7.9	e12	35	179	59	22	17
10	13	e12	e10	e9.8	e8.7	e8.0	e12	42	172	50	21	18
11	13	e12	e10	e9.8	e8.6	e8.1	e12	52	173	56	21	16
12	13	e12	e10	e9.8	e8.6	e8.1	e12	64	163	55	19	14
13	13	e12	e10	e9.8	e8.5	e8.1	e12	78	144	66	18	14
14	13	e12	e10	e9.8	e8.5	e8.1	e12	86	122	66	24	18
15	12	e11	e9.9	e9.7	e8.5	e8.1	e12	96	107	61	25	15
16	12	e11	e9.8	e9.6	e8.3	e8.1	e12	101	100	52	21	14
17	12	e12	e9.8	e9.6	e8.2	e8.0	e11	101	101	47	19	17
18	12	e12	e9.8	e9.5	e8.2	e8.0	11	101	101	44	18	16
19	12	e12	e9.8	e9.5	e8.2	e8.1	12	101	102	42	17	15
20	12	e12	e10	e9.5	e8.3	e8.1	13	105	101	40	18	14
21	12	e12	e10	e9.5	e8.5	e8.3	11	96	99	37	19	13
22	12	e12	e10	e9.5	e8.5	e9.0	11	82	96	35	17	13
23	12	e11	e10	e9.4	e8.5	e9.9	13	81	92	33	20	13
24	12	e11	e9.9	e9.3	e8.3	e10	10	93	90	32	17	13
25	12	e11	e9.9	e9.1	e8.3	e11	10	99	91	32	17	13
26	11	e11	e9.9	e9.0	e8.3	e11	12	109	89	37	16	13
27	12	e11	e9.9	e9.0	e8.2	e11	16	123	89	33	15	13
28	12	e11	e9.9	e9.0	e8.2	e11	19	131	79	30	15	13
29	13	e11	e9.9	e8.9	---	e11	24	131	74	28	14	13
30	12	e11	e9.9	e8.8	---	e9.9	30	141	70	27	14	13
31	12	---	e9.9	e8.7	---	e9.9	---	149	---	27	15	---
TOTAL	395	354	312.3	295.2	237.7	271.7	394	2414	3741	1477	617	431
MEAN	12.7	11.8	10.1	9.52	8.49	8.76	13.1	77.9	125	47.6	19.9	14.4
MAX	15	13	11	9.9	8.7	11	30	149	179	73	29	18
MIN	11	11	9.8	8.7	8.2	7.5	10	19	70	27	14	13
AC-FT	783	702	619	586	471	539	781	4790	7420	2930	1220	855

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

MEAN	13.6	11.0	9.33	7.81	7.38	7.43	11.6	58.3	158	72.7	26.3	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1966 - 2001	
ANNUAL TOTAL	11378.4		10939.9			
ANNUAL MEAN	31.1		30.0		33.3	
HIGHEST ANNUAL MEAN					54.8	1984
LOWEST ANNUAL MEAN					20.2	1977
HIGHEST DAILY MEAN	247	May 31	179	Jun 9	404	Jun 17 1995
LOWEST DAILY MEAN	e7.4	Feb 20	e7.5	Mar 4	2.6	Mar 6 1967
ANNUAL SEVEN-DAY MINIMUM	e7.6	Feb 14	e7.8	Mar 3	2.8	Feb 28 1967
MAXIMUM PEAK FLOW			214	Jun 2	a574	Jun 17 1995
MAXIMUM PEAK STAGE			3.36	Jun 2	b4.17	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	22570		21700		24140	
10 PERCENT EXCEEDS	81		94		97	
50 PERCENT EXCEEDS	13		12		13	
90 PERCENT EXCEEDS	8.0		8.5		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	26	20	18	15	15	18	105	416	162	69	37
2	29	26	20	18	15	14	18	124	434	171	74	33
3	28	25	20	18	15	14	20	89	469	149	66	33
4	31	27	19	18	15	15	22	76	458	135	58	33
5	32	26	19	18	15	14	23	75	375	132	55	35
6	30	25	20	18	16	15	21	75	379	141	62	36
7	28	24	20	18	16	15	21	70	426	146	61	44
8	28	24	20	e18	15	14	21	71	475	177	57	54
9	28	e24	20	17	e15	15	22	93	539	173	56	53
10	28	e23	20	17	e15	15	22	108	526	148	54	58
11	27	e23	19	17	15	14	21	129	561	204	53	41
12	27	e23	19	17	15	15	22	158	563	188	47	35
13	26	e23	20	17	15	15	21	187	523	222	46	34
14	26	e22	20	17	15	14	21	219	429	238	60	43
15	25	e22	20	e17	15	15	22	234	337	216	68	36
16	25	e22	19	17	15	15	24	253	276	185	55	34
17	25	e22	19	e17	15	15	29	264	266	165	51	40
18	26	22	19	17	15	15	36	276	300	152	46	44
19	26	22	e20	17	15	15	42	271	268	105	44	37
20	26	21	20	16	15	16	40	271	257	100	45	33
21	25	21	e19	17	15	16	31	276	270	91	48	32
22	25	22	19	e17	15	17	26	226	340	85	45	31
23	25	21	19	16	15	17	29	214	327	89	52	29
24	25	21	19	16	15	17	28	236	319	82	46	29
25	25	20	19	16	14	18	32	253	326	76	43	29
26	24	20	18	16	14	18	41	270	317	87	43	28
27	25	21	18	16	15	18	53	295	325	80	39	28
28	27	21	18	16	14	16	62	316	285	70	38	28
29	31	21	e18	16	---	18	71	350	248	63	37	27
30	27	21	18	16	---	18	87	340	176	66	36	28
31	27	---	18	e16	---	17	---	359	---	68	36	---
TOTAL	837	681	596	525	419	485	946	6283	11210	4166	1590	1082
MEAN	27.0	22.7	19.2	16.9	15.0	15.6	31.5	203	374	134	51.3	36.1
MAX	32	27	20	18	16	18	87	359	563	238	74	58
MIN	24	20	18	16	14	14	18	70	176	63	36	27
AC-FT	1660	1350	1180	1040	831	962	1880	12460	22240	8260	3150	2150
a	387	206	202	145	111	121	245	3190	3450	1770	944	551

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2001, BY WATER YEAR (WY)

MEAN	38.3	29.9	24.2	20.8	19.3	19.3	36.3	179	485	218	71.1	44.3
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1934 - 2001	
ANNUAL TOTAL	35108		28820			
ANNUAL MEAN	95.9		b94.6		b105	
HIGHEST ANNUAL MEAN					c176	1984
LOWEST ANNUAL MEAN					45.4	1954
HIGHEST DAILY MEAN	871	May 31	563	Jun 12	1430	Jun 21 1938
LOWEST DAILY MEAN	18	Dec 26	14	Feb 25	d13	Dec 28 1939
ANNUAL SEVEN-DAY MINIMUM	18	Dec 25	14	Feb 25	14	Dec 23 1939
MAXIMUM PEAK FLOW			663	Jun 11	1720	Jun 10 1952
MAXIMUM PEAK STAGE			2.84	Jun 11	f4.23	Jun 10 1952
ANNUAL RUNOFF (AC-FT)	69640		b68540		b76070	
10 PERCENT EXCEEDS	284		267		276	
50 PERCENT EXCEEDS	27		27		33	
90 PERCENT EXCEEDS	20		15		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 $^1/_4$ SW $^1/_4$ 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 fair 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	46	e41	e37	e34	e33	43	197	318	49	26	26
2	49	45	e41	e36	e34	e33	47	248	362	34	25	25
3	47	45	e41	e36	e34	e33	45	185	416	37	23	25
4	49	50	e41	e37	e34	e32	54	153	408	27	20	25
5	52	50	e41	e37	e34	e32	62	149	322	26	20	25
6	50	47	e41	e37	e34	e32	58	141	308	25	20	25
7	47	47	e41	e36	e34	e32	54	137	332	32	24	27
8	46	47	e40	e36	e34	e32	52	141	367	45	33	34
9	46	47	e40	e36	e34	e31	50	171	445	48	34	30
10	46	e46	e40	e36	e34	e31	56	198	392	38	33	33
11	45	e45	e40	e36	e34	e31	48	224	443	80	34	30
12	44	e45	e40	e36	e34	e32	49	254	539	69	29	27
13	47	e45	e40	e36	e34	e32	48	308	587	108	28	26
14	44	e45	e40	e36	e34	e32	46	366	485	162	33	29
15	43	e44	e40	e36	e34	e32	46	409	394	162	45	27
16	43	e44	e40	e36	e34	e33	55	426	357	134	34	25
17	43	e44	e40	e36	e34	e33	67	427	309	108	30	25
18	43	e44	e39	e36	e34	e34	86	423	317	96	27	26
19	43	e44	e39	e36	e34	e35	101	417	292	53	26	18
20	43	e44	e39	e36	e33	e35	105	396	186	31	26	20
21	42	e44	e38	e36	e33	e36	88	403	126	25	28	e18
22	42	e44	e38	e36	e33	e37	85	364	172	22	29	e18
23	42	e43	e38	e35	e33	e37	79	319	155	22	37	e17
24	43	e43	e38	e35	e33	e37	79	322	150	22	28	e17
25	42	e43	e38	e35	e33	e39	84	327	163	21	25	e17
26	42	e42	e37	e34	e33	e39	100	321	152	22	27	e17
27	42	e42	e37	e34	e33	48	127	317	163	22	28	e16
28	44	e42	e37	e34	e33	38	144	339	129	21	28	e16
29	54	e42	e37	e34	---	40	157	316	111	22	27	e16
30	48	e41	e37	e34	---	38	174	292	61	24	26	e17
31	47	---	e37	e34	---	38	---	309	---	24	26	---
TOTAL	1410	1340	1216	1105	943	1077	2289	8999	8961	1611	879	697
MEAN	45.5	44.7	39.2	35.6	33.7	34.7	76.3	290	299	52.0	28.4	23.2
MAX	54	50	41	37	34	48	174	427	587	162	45	34
MIN	42	41	37	34	33	31	43	137	61	21	20	16
AC-FT	2800	2660	2410	2190	1870	2140	4540	17850	17770	3200	1740	1380
a	387	206	202	145	111	121	245	3190	3450	1770	944	551

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2001, BY WATER YEAR (WY)

MEAN	60.5	51.1	42.2	37.2	35.2	39.6	80.2	272	557	216	87.2	62.4
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1905 - 2001	
ANNUAL TOTAL	36696		30527			
ANNUAL MEAN	100		b99.2		b133	
HIGHEST ANNUAL MEAN					c248	1984
LOWEST ANNUAL MEAN					38.8	1963
HIGHEST DAILY MEAN	872	May 31	587	Jun 13	f2520	Jun 14 1918
LOWEST DAILY MEAN	15	Jul 12	e16	Sep 27	d4.8	May 6 1972
ANNUAL SEVEN-DAY MINIMUM	15	Aug 8	e17	Sep 23	5.1	May 6 1972
MAXIMUM PEAK FLOW			644	Jun 13	f2620	Jun 14 1918
MAXIMUM PEAK STAGE			4.09	Jun 13	6.05	Jun 14 1918
ANNUAL RUNOFF (AC-FT)	72790		b71870		b96360	
10 PERCENT EXCEEDS	314		298		345	
50 PERCENT EXCEEDS	40		40		52	
90 PERCENT EXCEEDS	17		25		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$^1/_4$SE$^1/_4$ 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 09036000). 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	176	168	149	85	50	59	163	98	15	27	261	265
2	176	168	149	85	53	51	164	86	15	27	261	265
3	176	168	148	86	53	47	144	67	15	44	276	267
4	176	167	124	81	53	48	125	44	15	182	291	268
5	176	112	100	79	56	48	125	29	15	225	291	268
6	176	44	88	80	58	48	125	24	15	228	255	267
7	176	23	80	80	58	48	125	24	15	261	213	266
8	175	54	80	80	58	49	125	24	15	247	193	265
9	175	93	80	71	58	50	125	24	15	190	225	265
10	174	97	80	61	58	49	125	24	15	130	247	205
11	212	96	80	60	58	49	125	24	15	130	247	127
12	250	100	80	60	58	48	125	24	15	135	247	86
13	250	100	80	59	58	47	124	25	16	203	247	86
14	250	97	80	58	58	51	125	25	16	230	247	86
15	248	97	80	59	58	69	125	25	16	203	247	86
16	204	97	80	59	58	83	125	25	16	124	247	86
17	155	126	80	58	58	88	125	25	16	134	247	86
18	138	148	80	56	58	90	155	24	20	151	256	86
19	138	148	80	59	58	90	173	24	26	122	262	85
20	154	148	80	64	58	90	160	24	26	92	236	85
21	170	148	80	65	58	90	101	18	27	78	217	85
22	170	134	84	65	58	97	86	15	27	80	215	85
23	170	125	86	65	58	111	129	16	27	109	215	85
24	170	125	86	64	58	115	173	16	65	130	215	70
25	170	125	86	64	58	114	172	16	110	131	215	61
26	170	125	86	65	58	129	172	16	44	131	215	57
27	169	140	86	65	59	156	171	15	26	132	215	52
28	168	150	86	66	59	163	171	15	25	132	215	52
29	169	150	86	59	---	163	171	15	25	132	242	52
30	168	149	86	48	---	164	138	15	26	187	266	52
31	168	---	85	48	---	163	---	15	---	262	265	---
TOTAL	5617	3622	2815	2054	1601	2667	4192	861	734	4589	7491	4151
MEAN	181	121	90.8	66.3	57.2	86.0	140	27.8	24.5	148	242	138
MAX	250	168	149	86	59	164	173	98	110	262	291	268
MIN	138	23	80	48	50	47	86	15	15	27	193	52
AC-FT	11140	7180	5580	4070	3180	5290	8310	1710	1460	9100	14860	8230

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2001, BY WATER YEAR (WY)

MEAN	129	133	105	103	91.5	94.7	78.6	115	206	169	156	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1949 - 2001	
ANNUAL TOTAL	54956		40394			
ANNUAL MEAN	150		a98.2		a130	
HIGHEST ANNUAL MEAN					b254	1984
LOWEST ANNUAL MEAN					39.1	1959
HIGHEST DAILY MEAN	413	Jun 3	291	Aug 4	1860	Jun 28 1983
LOWEST DAILY MEAN	23	Nov 7	15	May 22	c.30	May 14 1963
ANNUAL SEVEN-DAY MINIMUM	57	Jul 14	15	May 27	.54	Apr 27 1959
MAXIMUM PEAK FLOW			291	Aug 3	d2640	Jun 20 1953
MAXIMUM PEAK STAGE			2.39	Aug 3	8.50	Jun 20 1953
ANNUAL RUNOFF (AC-FT)	109000		a71150		a94180	
10 PERCENT EXCEEDS	270		232		251	
50 PERCENT EXCEEDS	134		86		110	
90 PERCENT EXCEEDS	81		24		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 good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	e4.9	e7.0	e5.0	e4.6	e5.9	e35	311	130	5.2	5.3	5.2
2	5.0	e4.9	e7.5	e5.0	e4.6	e6.0	e45	347	121	4.5	5.0	6.3
3	4.4	e4.9	e7.5	e5.0	e4.6	e6.0	e55	266	110	4.1	4.6	5.6
4	4.2	e4.9	e8.0	e5.0	e4.0	e6.1	e65	223	100	4.4	4.9	4.9
5	4.2	e5.0	e8.0	e5.0	e4.6	e6.2	e65	229	87	4.5	6.3	4.7
6	4.2	e5.0	e8.5	e5.0	e4.6	e6.3	e75	237	68	4.4	5.8	5.0
7	4.1	e5.0	e9.0	e5.0	e4.6	e6.3	55	212	55	14	7.1	6.1
8	4.0	e5.0	e9.0	e5.0	e4.6	e6.3	52	218	48	35	8.1	7.0
9	3.9	e5.5	e9.0	e5.0	e4.6	e6.4	45	268	51	9.0	10	8.2
10	4.1	e5.5	e9.0	e5.0	e4.6	e6.4	45	308	56	7.0	11	7.0
11	4.1	e5.5	e9.5	e4.8	e4.6	e6.4	39	370	46	16	9.4	7.1
12	4.1	e5.5	e9.5	e4.6	e4.6	e6.5	33	395	32	9.9	8.6	6.2
13	4.1	e6.0	e9.5	e4.6	e4.6	e6.5	33	417	33	8.7	7.8	5.7
14	4.2	e6.0	e9.5	e4.6	e4.6	e6.5	33	425	41	9.1	7.8	6.1
15	4.4	e6.5	e9.4	e4.6	e4.6	e7.0	30	454	39	8.8	8.3	6.0
16	4.5	e6.5	e9.2	e4.6	e4.6	e8.0	44	434	32	8.0	8.4	5.8
17	4.6	e6.5	e8.8	e4.6	e4.6	e10	71	490	27	7.2	8.0	6.7
18	4.5	e6.5	e8.4	e4.6	e4.6	e10	101	422	22	7.1	7.6	8.2
19	4.5	e6.6	e8.0	e4.6	e4.7	e10	117	394	18	6.7	6.9	8.1
20	4.5	e6.7	e8.0	e4.6	e4.8	e10	140	375	15	6.2	6.7	7.3
21	4.6	e6.7	e8.0	e4.6	e5.0	e10	122	331	9.4	6.3	7.0	6.9
22	4.6	e6.8	e8.0	e4.6	e5.2	e12	107	259	10	5.9	7.2	6.4
23	4.8	e6.7	e8.0	e4.6	e5.4	e12	86	254	11	5.4	8.3	6.1
24	4.8	e6.7	e8.0	e4.6	e5.5	e12	90	247	14	4.6	8.1	5.8
25	5.1	e6.7	e8.0	e4.6	e5.6	e12	100	243	15	5.1	7.4	5.7
26	5.1	e6.8	e7.5	e4.6	e5.7	e14	143	237	12	7.2	6.5	5.6
27	5.0	e6.8	e7.5	e4.6	e5.8	e14	200	236	12	13	6.1	5.5
28	5.0	e6.8	e7.5	e4.6	e5.9	e14	226	227	12	12	5.9	5.3
29	5.1	e6.8	e7.5	e4.6	---	e18	242	187	8.0	8.5	5.7	5.3
30	5.4	e7.0	e7.5	e4.6	---	e20	262	163	6.5	7.1	5.1	5.1
31	e4.9	---	e6.5	e4.6	---	e25	---	144	---	7.2	4.9	---
TOTAL	141.3	180.7	256.3	146.8	135.8	305.8	2756	9323	1240.9	262.1	219.8	184.9
MEAN	4.56	6.02	8.27	4.74	4.85	9.86	91.9	301	41.4	8.45	7.09	6.16
MAX	5.4	7.0	9.5	5.0	5.9	25	262	490	130	35	11	8.2
MIN	3.9	4.9	6.5	4.6	4.0	5.9	30	144	6.5	4.1	4.6	4.7
AC-FT	280	358	508	291	269	607	5470	18490	2460	520	436	367

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2001, BY WATER YEAR (WY)

MEAN	9.65	9.76	8.95	8.21	8.65	19.8	98.3	385	162	15.8	12.0	9.99
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	9.86	40.8	190	32.2	2.69	5.14	3.51
(WY)	1993	1995	1991	1991	1991	2001	1995	1992	1992	1994	1994	1994

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1990 - 2001	
ANNUAL TOTAL	24185.3		15153.4			
ANNUAL MEAN	66.1		41.5		64.6	
HIGHEST ANNUAL MEAN					109	1997
LOWEST ANNUAL MEAN					29.0	1992
HIGHEST DAILY MEAN	703	May 26	490	May 17	908	May 18 1996
LOWEST DAILY MEAN	3.9	Oct 9	3.9	Oct 9	.96	Jul 25 1994
ANNUAL SEVEN-DAY MINIMUM	4.1	Oct 7	4.1	Oct 7	1.2	Jul 22 1994
MAXIMUM PEAK FLOW			587	May 17	955	Jun 20 1994
MAXIMUM PEAK STAGE			5.94	May 17	a7.36	Jun 20 1994
ANNUAL RUNOFF (AC-FT)	47970		30060		46820	
10 PERCENT EXCEEDS	280		141		218	
50 PERCENT EXCEEDS	8.4		6.8		11	
90 PERCENT EXCEEDS	5.0		4.6		4.4	

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.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,370 microsiemens/cm, July 7, 2001; minimum, 88 microsiemens/cm, 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, 1,370 microsiemens/cm, July 7; minimum, 111 microsiemens/cm, May 16.
WATER TEMPERATURE: Maximum, 26.6°C, June 29; minimum, 0.0°C, on many days during winter.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E COLI, MTEC MF WATER (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													
11...	1045	4.1	517	8.5	7.0	1.9	--	10.4	E10	E3	228	62.1	17.8
NOV													
21...	1100	6.7	512	8.3	0	4.3	--	13.0	E7	E2	215	54.4	19.2
DEC													
12...	1415	9.5	412	8.1	0	4.8	--	11.1	11	<1	184	51.0	13.7
JAN													
24...	0830	4.5	469	8.3	0	--	--	11.1	E2	<1	207	56.6	16.0
FEB													
12...	1400	4.7	440	7.4	0	4.5	--	10.2	E1	<1	203	56.0	15.4
MAR													
13...	1200	6.5	519	7.8	0	4.4	--	9.9	E6	<1	215	57.0	17.7
APR													
11...	0915	39	435	8.6	.5	34	--	10.8	E6	<1	197	56.0	13.9
MAY													
08...	1510	207	197	8.4	9.5	41	--	9.8	100	11	88.4	25.9	5.75
JUN													
06...	1130	67	306	8.4	12.0	--	6.0	8.0	>120	120	146	41.0	10.5
JUL													
03...	1135	4.1	776	8.2	19.5	--	2.9	8.2	60	45	357	95.2	28.9
AUG													
29...	0915	5.6	436	8.4	13.0	--	18	7.3	>120	130	202	56.0	15.0
SEP													
20...	1500	7.5	441	8.5	17.0	--	8.7	8.0	E6	E2	195	54.3	14.3

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)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
OCT													
11...	19.8	.571	1.95	154	121	2.5	.2	6.5	339	324	.5	3.8	<10
NOV													
21...	22.8	.677	1.91	134	132	2.5	E.2	10.3	340	323	.5	6.2	--
DEC													
12...	16.1	.516	1.64	134	87.3	2.1	E.1	10.3	273	263	.4	7.0	--
JAN													
24...	18.6	.562	1.64	147	98.7	1.9	.2	10.3	307	293	.4	3.8	--
FEB													
12...	18.4	.562	1.74	142	92.3	2.3	.2	11.1	293	283	.4	3.7	--
MAR													
13...	22.4	.665	2.51	146	115	3.2	.2	10.4	338	317	.5	5.9	--
APR													
11...	15.7	.487	1.92	128	93.5	3.1	E.1	8.5	295	270	.4	31	--
MAY													
08...	6.2	.286	1.19	74	27.1	.8	E.1	8.4	139	120	.2	78	--
JUN													
06...	10.7	.387	1.44	109	52.4	1.3	.2	9.6	214	193	.29	39	<10
JUL													
03...	36.6	.843	2.68	285	145	2.2	.3	9.6	534	492	.7	5.9	--
AUG													
29...	16.2	.495	1.82	144	87.7	1.9	.2	5.0	288	271	.39	4.4	26
SEP													
20...	15.8	.493	2.07	142	93.1	2.7	E.2	6.2	290	274	.4	5.9	--

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTICULATE TOTAL (MG/L AS C) (00689)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
OCT													
11...	<.006	<.047	<.041	--	.26	.15	<.060	<.060	<.018	4.4	<.2	--	--
NOV													
21...	<.006	<.047	<.041	--	.26	.21	<.060	<.060	<.018	--	--	--	--
DEC													
12...	<.006	E.038	<.041	--	.19	.14	<.060	<.060	<.018	--	--	--	--
JAN													
24...	<.006	.109	E.029	--	.21	.16	<.060	<.060	<.018	--	--	--	--
FEB													
12...	<.006	.099	E.031	--	.21	.17	<.060	<.060	<.018	--	--	--	--
MAR													
13...	<.006	.103	E.027	--	.30	.27	E.042	<.060	E.010	--	--	--	--
APR													
11...	<.006	.096	<.041	--	.52	.42	.068	<.060	<.018	--	--	--	--
MAY													
08...	.002	.079	.005	.257	.58	.26	.118	.010	<.007	--	--	--	--
JUN													
06...	<.006	<.050	<.040	--	.43	.36	E.036	<.060	<.020	8.2	.2	89	E1
JUL													
03...	<.001	.006	.025	.541	.58	.57	.013	.008	<.007	--	--	--	--
AUG													
29...	.001	.005	.008	.261	.40	.27	.028	E.004	<.007	4.6	.3	258	E2
SEP													
20...	<.001	.008	.005	.212	.26	.22	.016	E.003	<.007	--	--	--	--

DATE	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)	BORON, DISSOLVED (UG/L AS B) (01020)	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)	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)
OCT													
11...	--	--	--	--	--	--	--	--	--	--	--	--	240
NOV													
21...	--	--	--	--	--	--	--	--	--	--	--	--	510
DEC													
12...	--	--	--	--	--	--	--	--	--	--	--	--	390
JAN													
24...	--	--	--	--	--	--	--	--	--	--	--	--	420
FEB													
12...	--	--	--	--	--	--	--	--	--	--	--	--	420
MAR													
13...	--	--	--	--	--	--	--	--	--	--	--	--	470
APR													
11...	--	--	--	--	--	--	--	--	--	--	--	--	1140
MAY													
08...	--	--	--	--	--	--	--	--	--	--	--	--	1580
JUN													
06...	<2.0	52.1	54.6	<2.50	31	<.10	<.10	<1	<.8	<1	1.4	1.4	320
JUL													
03...	--	--	--	--	--	--	--	--	--	--	--	--	320
AUG													
29...	E1.0	71.8	73.3	<2.50	57	E.08	<.10	<1	<.8	<1	1.6	E.8	580
SEP													
20...	--	--	--	--	--	--	--	--	--	--	--	--	310

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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 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)	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)
OCT													
11...	20	--	--	--	22	17.4	--	--	--	--	--	--	--
NOV													
21...	20	--	--	--	21	13.2	--	--	--	--	--	--	--
DEC													
12...	20	--	--	--	20	14.8	--	--	--	--	--	--	--
JAN													
24...	10	--	--	--	19	12.4	--	--	--	--	--	--	--
FEB													
12...	M	--	--	--	22	13.7	--	--	--	--	--	--	--
MAR													
13...	50	--	--	--	33	24.2	--	--	--	--	--	--	--
APR													
11...	40	--	--	--	51	30.7	--	--	--	--	--	--	--
MAY													
08...	40	--	--	--	49	11.8	--	--	--	--	--	--	--
JUN													
06...	110	<1	<1.00	9.2	28	22.8	M	M	1.5	2.0	2	E1.52	.5
JUL													
03...	30	--	--	--	33	28.9	--	--	--	--	--	--	--
AUG													
29...	20	<1	<1.00	19.7	53	36.7	<.01	<.01	2.9	2.6	3	<2.00	.6
SEP													
20...	10	--	--	--	29	17.0	--	--	--	--	--	--	--

DATE	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						
11...	--	--	--	--	--	--
NOV						
21...	--	--	--	--	--	--
DEC						
12...	--	--	--	--	--	--
JAN						
24...	--	--	--	--	--	--
FEB						
12...	--	--	--	--	--	--
MAR						
13...	--	--	--	--	--	--
APR						
11...	--	--	--	--	--	--
MAY						
08...	--	--	--	--	--	--
JUN						
06...	<2.0	<.05	<.2	317	1	<20
JUL						
03...	--	--	--	--	--	--
AUG						
29...	<2.0	<.05	<.2	497	3	E12
SEP						
20...	--	--	--	--	--	--

E Estimated laboratory analysis value.

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
11...	1100	4.1	7.0	8	.08
NOV					
21...	1105	6.7	0	10	.18
DEC					
12...	1430	9.5	0	17	.45
JAN					
24...	0835	4.5	0	19	.23
FEB					
12...	1415	4.7	0	22	.27
MAR					
13...	1210	6.5	0	9	.16
APR					
11...	0920	39	.5	46	4.9
MAY					
08...	1445	207	9.5	94	52
JUN					
06...	1145	67	12.0	14	2.5
27...	1300	16	20.0	5	.22
JUL					
03...	1130	4.1	19.5	43	.47
SEP					
21...	0900	6.9	9.5	16	.29

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	467	449	457	471	461	463	---	---	---	---	---	---
2	474	466	470	462	454	458	---	---	---	---	---	---
3	482	474	479	485	445	466	---	---	---	---	---	---
4	493	481	485	449	340	421	---	---	---	---	---	---
5	501	486	492	374	339	355	---	---	---	---	---	---
6	508	496	501	356	331	342	---	---	---	---	---	---
7	515	502	508	390	338	363	---	---	---	---	---	---
8	518	506	512	388	343	364	---	---	---	---	---	---
9	523	511	516	350	322	334	---	---	---	---	---	---
10	525	518	521	390	328	348	---	---	---	---	---	---
11	526	521	524	396	352	369	---	---	---	---	---	---
12	526	520	524	462	373	398	---	---	---	---	---	---
13	524	517	521	535	452	488	---	---	---	---	---	---
14	523	517	519	---	---	---	---	---	---	---	---	---
15	520	513	517	---	---	---	---	---	---	---	---	---
16	518	510	515	---	---	---	---	---	---	---	---	---
17	515	509	512	---	---	---	---	---	---	---	---	---
18	510	505	508	---	---	---	---	---	---	---	---	---
19	509	504	507	---	---	---	---	---	---	---	---	---
20	512	508	510	---	---	---	---	---	---	---	---	---
21	514	506	510	---	---	---	---	---	---	---	---	---
22	514	509	512	---	---	---	---	---	---	---	---	---
23	515	509	512	---	---	---	---	---	---	---	---	---
24	514	510	512	---	---	---	---	---	---	---	---	---
25	512	509	511	---	---	---	---	---	---	---	---	---
26	509	498	504	---	---	---	---	---	---	---	---	---
27	501	496	498	---	---	---	---	---	---	---	---	---
28	500	491	495	---	---	---	---	---	---	---	---	---
29	493	487	490	---	---	---	---	---	---	---	---	---
30	489	483	487	---	---	---	---	---	---	---	---	---
31	484	471	481	---	---	---	---	---	---	---	---	---
MONTH	526	449	504	---	---	---	---	---	---	---	---	---

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	198	173	180
2	---	---	---	---	---	---	---	---	---	175	156	162
3	---	---	---	---	---	---	---	---	---	185	166	174
4	---	---	---	---	---	---	---	---	---	206	185	195
5	---	---	---	---	---	---	---	---	---	250	206	226
6	---	---	---	---	---	---	---	---	---	262	240	252
7	---	---	---	---	---	---	---	---	---	240	211	224
8	---	---	---	---	---	---	---	---	---	211	190	197
9	---	---	---	---	---	---	---	---	---	190	169	177
10	---	---	---	---	---	---	---	---	---	172	156	166
11	---	---	---	---	---	---	---	---	---	156	140	148
12	---	---	---	---	---	---	474	428	449	147	134	140
13	---	---	---	---	---	---	518	453	485	136	130	132
14	---	---	---	---	---	---	498	466	480	132	122	128
15	---	---	---	---	---	---	495	466	475	125	118	121
16	---	---	---	---	---	---	489	436	462	124	111	116
17	---	---	---	---	---	---	442	391	409	141	113	121
18	---	---	---	---	---	---	397	335	363	146	129	135
19	---	---	---	---	---	---	340	299	318	151	130	140
20	---	---	---	---	---	---	309	272	284	145	120	131
21	---	---	---	---	---	---	274	247	263	141	112	130
22	---	---	---	---	---	---	279	246	262	164	139	150
23	---	---	---	---	---	---	298	245	275	171	126	146
24	---	---	---	---	---	---	334	298	320	162	124	141
25	---	---	---	---	---	---	376	318	341	165	129	148
26	---	---	---	---	---	---	322	285	301	164	139	153
27	---	---	---	---	---	---	316	258	271	160	141	151
28	---	---	---	---	---	---	263	227	236	175	139	154
29	---	---	---	---	---	---	227	204	211	191	168	180
30	---	---	---	---	---	---	219	186	196	202	173	188
31	---	---	---	---	---	---	---	---	---	211	190	201
MONTH	---	---	---	---	---	---	---	---	---	262	111	162

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	220	208	212	767	757	761	675	640	662	503	489	495
2	227	213	219	773	749	756	682	659	667	505	440	481
3	244	227	234	806	773	785	673	656	660	440	423	430
4	259	238	248	905	806	842	678	629	660	450	427	440
5	327	255	286	946	878	909	629	599	608	473	450	464
6	313	300	306	917	839	881	610	594	603	489	473	481
7	419	308	341	1370	757	872	615	599	608	486	472	481
8	439	391	415	1290	891	1050	600	522	554	474	449	462
9	426	407	415	891	802	819	539	479	516	454	411	431
10	430	414	420	819	808	812	496	457	475	417	400	407
11	447	408	422	820	681	725	489	459	472	435	416	424
12	472	445	456	769	710	737	485	452	466	434	414	422
13	457	444	449	776	733	763	456	442	450	451	423	434
14	479	454	463	773	737	752	456	444	450	463	437	446
15	543	473	498	811	773	792	457	445	451	472	455	462
16	537	504	515	780	764	769	447	429	440	481	463	471
17	555	510	537	771	760	766	435	415	426	482	465	472
18	547	520	536	764	739	746	432	415	424	562	466	509
19	598	529	565	757	746	751	435	425	430	497	455	473
20	640	567	582	755	742	747	454	435	441	460	449	453
21	664	620	643	754	734	742	456	450	453	458	454	456
22	702	657	680	750	743	745	454	446	450	466	454	460
23	726	694	713	758	739	748	450	419	436	477	465	470
24	728	703	711	757	732	745	463	414	435	485	475	480
25	778	728	760	737	692	709	418	414	416	493	482	487
26	762	724	735	754	688	716	425	415	418	495	487	492
27	756	731	747	731	677	704	434	425	429	498	491	495
28	754	714	726	677	647	660	440	433	438	497	491	494
29	759	725	741	720	635	657	445	433	440	499	493	496
30	773	759	767	673	639	661	518	445	500	499	494	497
31	---	---	---	640	616	628	503	484	497	---	---	---
MONTH	778	208	511	1370	616	766	682	414	496	562	400	466

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.8	7.9	11.0	3.8	1.2	2.2	---	---	---	---	---	---
2	15.1	7.9	11.3	2.7	.0	1.3	---	---	---	---	---	---
3	13.6	9.0	11.4	3.2	.0	1.0	---	---	---	---	---	---
4	13.2	8.6	10.8	2.3	.0	.7	---	---	---	---	---	---
5	13.6	7.0	10.2	1.3	.1	.3	---	---	---	---	---	---
6	12.0	4.9	8.5	.4	.0	.1	---	---	---	---	---	---
7	11.3	3.4	7.3	.6	.0	.2	---	---	---	---	---	---
8	10.8	2.7	6.8	.8	.0	.2	---	---	---	---	---	---
9	11.3	3.0	7.2	1.0	.0	.3	---	---	---	---	---	---
10	10.8	4.3	7.8	.8	.1	.2	---	---	---	---	---	---
11	12.2	5.0	8.8	.7	.0	.2	---	---	---	---	---	---
12	12.2	5.8	8.8	.4	.0	.1	---	---	---	---	---	---
13	8.5	4.9	6.8	.2	.1	.1	---	---	---	---	---	---
14	7.8	4.0	5.8	---	---	---	---	---	---	---	---	---
15	9.1	1.9	5.4	---	---	---	---	---	---	---	---	---
16	9.7	2.1	5.7	---	---	---	---	---	---	---	---	---
17	9.7	2.0	5.7	---	---	---	---	---	---	---	---	---
18	10.0	2.1	5.9	---	---	---	---	---	---	---	---	---
19	9.8	2.4	6.1	---	---	---	---	---	---	---	---	---
20	10.0	2.8	6.4	---	---	---	---	---	---	---	---	---
21	9.1	2.4	5.9	---	---	---	---	---	---	---	---	---
22	7.9	2.8	5.6	---	---	---	---	---	---	---	---	---
23	8.8	3.0	5.9	---	---	---	---	---	---	---	---	---
24	8.9	5.1	7.1	---	---	---	---	---	---	---	---	---
25	7.8	5.2	6.4	---	---	---	---	---	---	---	---	---
26	8.4	2.4	5.2	---	---	---	---	---	---	---	---	---
27	7.4	2.2	4.6	---	---	---	---	---	---	---	---	---
28	7.6	3.4	5.2	---	---	---	---	---	---	---	---	---
29	7.5	4.1	5.8	---	---	---	---	---	---	---	---	---
30	7.1	2.3	4.4	---	---	---	---	---	---	---	---	---
31	4.0	1.3	2.6	---	---	---	---	---	---	---	---	---
MONTH	15.1	1.3	7.0	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	9.5	3.3	7.2
2	---	---	---	---	---	---	---	---	---	8.3	2.3	3.8
3	---	---	---	---	---	---	---	---	---	3.6	1.1	2.5
4	---	---	---	---	---	---	---	---	---	6.1	1.6	4.0
5	---	---	---	---	---	---	---	---	---	6.7	3.7	5.1
6	---	---	---	---	---	---	---	---	---	9.0	4.0	6.5
7	---	---	---	---	---	---	---	---	---	10.2	3.9	7.2
8	---	---	---	---	---	---	---	---	---	11.4	4.6	8.1
9	---	---	---	---	---	---	---	---	---	9.9	4.2	7.5
10	---	---	---	---	---	---	---	---	---	9.9	4.2	7.4
11	---	---	---	---	---	---	---	---	---	10.6	3.0	7.2
12	---	---	---	---	---	---	7.1	.5	3.8	11.1	3.0	7.4
13	---	---	---	---	---	---	8.9	2.5	5.7	9.9	3.7	7.3
14	---	---	---	---	---	---	7.8	3.8	5.9	9.8	4.7	7.5
15	---	---	---	---	---	---	10.4	2.4	6.3	9.0	4.1	6.5
16	---	---	---	---	---	---	11.9	4.2	8.0	9.3	4.9	7.3
17	---	---	---	---	---	---	12.8	4.3	8.3	9.1	5.3	6.7
18	---	---	---	---	---	---	10.9	4.7	7.8	8.7	4.6	6.7
19	---	---	---	---	---	---	10.3	5.4	7.6	9.5	5.7	7.5
20	---	---	---	---	---	---	7.2	4.0	5.7	9.6	4.9	7.4
21	---	---	---	---	---	---	5.0	2.7	4.0	7.8	2.1	5.2
22	---	---	---	---	---	---	3.4	1.3	2.2	11.5	4.0	7.5
23	---	---	---	---	---	---	6.6	.4	3.0	12.6	5.9	9.3
24	---	---	---	---	---	---	11.6	3.4	6.9	12.5	6.9	9.8
25	---	---	---	---	---	---	12.0	4.4	7.9	13.2	7.2	10.3
26	---	---	---	---	---	---	11.7	5.2	8.2	13.2	8.8	10.8
27	---	---	---	---	---	---	10.8	4.6	8.1	14.6	9.6	11.9
28	---	---	---	---	---	---	9.0	4.1	6.9	13.0	9.6	11.1
29	---	---	---	---	---	---	8.0	3.4	6.3	15.3	8.2	11.4
30	---	---	---	---	---	---	9.0	2.9	6.4	16.5	8.9	12.5
31	---	---	---	---	---	---	---	---	---	17.4	8.7	13.0
MONTH	---	---	---	---	---	---	---	---	---	17.4	1.1	7.9

09041090 MUDDY CREEK ABOVE ANTELOPE CREEK NEAR KREMMLING, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.1	9.7	13.9	25.9	17.2	21.4	22.1	14.2	17.6	20.4	12.4	16.4
2	17.6	10.2	14.0	25.2	16.3	20.4	22.5	14.4	18.3	21.2	13.1	16.8
3	15.6	11.2	13.5	25.6	15.2	20.3	25.0	14.4	19.5	22.5	13.3	17.5
4	15.3	9.8	12.2	24.8	16.7	20.9	23.2	17.1	20.0	22.1	13.3	17.5
5	17.2	7.9	12.3	24.4	16.8	20.6	26.0	15.9	20.4	18.7	13.4	16.3
6	18.8	9.6	14.2	25.4	16.5	20.9	23.4	18.0	20.0	18.3	12.8	15.2
7	20.7	11.8	15.9	25.7	17.1	21.2	23.8	16.3	19.5	16.0	10.1	12.9
8	21.3	12.0	16.6	22.8	15.6	18.8	20.4	17.0	18.7	14.2	9.3	11.3
9	18.5	13.2	16.1	25.1	16.3	19.9	21.9	15.6	18.5	14.6	7.1	10.6
10	19.9	11.9	16.1	26.1	16.9	20.5	20.8	17.6	18.9	17.0	8.9	12.6
11	21.0	12.4	16.8	22.2	16.3	19.4	21.5	15.8	18.5	16.4	9.4	12.8
12	18.0	12.0	15.2	22.4	16.6	19.2	23.6	16.4	19.6	17.5	10.2	13.7
13	14.1	9.4	11.0	21.3	14.9	18.0	22.4	17.0	19.3	14.0	10.9	12.6
14	10.9	7.2	8.8	19.6	16.0	17.7	20.6	17.1	18.4	15.6	9.7	12.6
15	16.8	6.2	11.3	22.9	15.0	18.3	21.8	15.7	18.1	17.1	10.0	13.4
16	17.0	9.8	13.8	23.0	14.7	18.6	21.7	15.5	18.2	14.7	9.5	12.3
17	20.3	10.5	15.5	20.6	13.5	17.0	20.8	15.0	17.8	14.7	10.0	12.1
18	20.5	11.6	16.4	23.0	13.4	18.0	21.8	14.0	17.5	14.8	11.0	12.3
19	19.8	13.0	16.7	24.0	14.1	18.6	19.4	14.4	16.5	15.4	9.5	12.2
20	20.5	13.1	16.9	23.7	14.8	19.3	19.8	14.0	16.5	17.7	9.9	13.4
21	24.8	12.2	18.2	24.0	15.6	19.8	19.1	14.8	16.8	16.5	9.5	12.9
22	24.3	13.4	18.6	25.0	15.5	20.1	21.6	14.9	17.2	17.0	9.0	12.9
23	22.6	14.3	18.5	23.5	15.2	19.4	20.2	14.4	17.0	17.1	8.6	12.9
24	21.5	14.9	18.4	21.5	15.4	18.6	20.9	14.2	17.2	17.1	8.8	13.1
25	21.4	14.9	18.3	23.8	14.9	19.0	22.7	15.3	18.5	17.1	9.0	13.2
26	21.7	15.2	18.2	19.8	16.9	18.1	23.4	14.3	18.5	16.2	9.2	13.0
27	22.6	15.5	18.9	22.6	14.1	18.1	22.5	13.9	18.1	17.2	9.1	13.2
28	25.4	14.2	19.4	23.5	13.8	18.4	20.3	14.1	17.1	17.0	9.4	13.4
29	26.6	15.4	20.7	23.0	14.4	18.4	19.3	12.5	16.0	16.9	11.9	14.4
30	26.5	16.5	21.4	21.6	13.6	17.5	18.0	12.2	15.6	16.6	9.9	13.3
31	---	---	---	22.3	15.9	18.4	19.2	13.2	16.1	---	---	---
MONTH	26.6	6.2	15.9	26.1	13.4	19.2	26.0	12.2	18.1	22.5	7.1	13.6

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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						
13...	1059	.10	662	8.3	10.9	7.4
13...	1101	5.00	665	8.3	10.9	7.4
13...	1102	8.00	667	8.3	10.8	7.4
JUN						
21...	1122	.50	567	8.0	16.4	7.2
21...	1123	5.00	565	8.0	15.1	7.3
21...	1124	10.0	584	7.8	14.1	6.1
JUL						
10...	1110	.50	642	8.0	21.6	6.8
10...	1111	5.00	663	8.0	20.8	6.5
AUG						
29...	1145	.50	641	8.0	18.3	6.1
29...	1146	5.00	651	7.9	17.6	5.7

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	TURBIDITY LAB HACH 2100AN (NTU) (99872)	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)	SODIUM ADSORPTION RATIO (00931)
OCT													
13...	1100	665	8.3	10.9	8.2	--	23.0	7.7	283	67.6	27.7	29.6	.766
JUN													
21...	1130	565	8.0	15.1	--	7.2	60.0	7.2	264	66.0	24.0	24.8	.664
JUL													
10...	1115	663	8.0	20.8	--	7.0	62.0	6.5	279	67.1	27.1	27.9	.728
AUG													
29...	1200	651	7.9	17.6	--	14	25.0	5.7	270	66.5	25.3	29.3	.775

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)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)
OCT													
13...	2.35	129	218	2.9	.2	7.0	460	433	.63	E.004	.050	.041	.270
JUN													
21...	2.02	131	166	2.0	.2	9.1	408	373	.55	<.001	<.005	.017	.377
JUL													
10...	2.38	134	212	2.8	.2	7.9	479	428	.65	.001	.008	.002	.412
AUG													
29...	2.32	134	196	2.7	.2	7.2	450	410	.61	.002	.013	.042	.333

DATE	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)	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)
OCT													
13...	.59	.31	E.033	<.060	<.018	9.9	<.2	157	4	E1.2	66.0	64.3	<5.00
JUN													
21...	.54	.39	.029	.010	<.007	8.1	<.2	85	<2	<2.0	58.5	58.4	<2.50
JUL													
10...	.46	.41	.024	.008	<.007	9.3	<.2	104	<2	<2.0	62.6	62.9	<2.50
AUG													
29...	.51	.38	.027	E.004	<.007	6.2	<.2	179	<2	E1.2	64.4	60.5	<2.50

401110106244800 WOLFORD MOUNTAIN RESERVOIR AT INFLOW NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	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)
OCT													
13...	<.11	<.14	M	<.8	<1	2.8	2.3	320	<10	<1	<.08	25.9	46
JUN													
21...	<.10	<.10	<1	<.8	<1	1.9	1.9	230	30	<1	.15	21.6	42
JUL													
10...	<.10	<.10	<1	E.4	<1	2.2	2.2	190	10	<1	<.08	32.1	46
AUG													
29...	<.10	<.10	<1	<.8	<1	2.2	2.0	320	<10	<1	<.08	27.8	55

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)	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											
13...	39.0	<.14	<.23	2.2	2	2.4	2.6	<.05	<1.0	3	1
JUN											
21...	38.6	.01	.01	2.0	3	1.3	1.5	<.05	<1.0	2	1
JUL											
10...	33.7	<.01	<.01	2.2	4	2.0	2.0	<.05	<1.0	2	2
AUG											
29...	39.2	<.01	<.01	2.5	3	--	--	<.05	<1.0	3	1

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

400841106240600 WOLFORD MOUNTAIN RESERVOIR AT MIDLAKE NEAR KREMMLING, CO

WATER-QUALITY RECORDS

LOCATION.--Lat. 40°08'41", long 106°24'06", in $NW^1/_4NW^1/_4$ 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 near-surface and near-bottom in bay east of boat ramp.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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						
13...	1015	.10	623	8.2	12.0	6.8
13...	1016	5.00	623	8.2	12.0	6.8
13...	1017	10.0	623	8.2	12.0	6.8
13...	1018	15.0	623	8.2	12.0	6.8
13...	1019	20.0	623	8.2	12.0	6.8
13...	1020	25.0	623	8.2	12.0	6.8
13...	1021	30.0	623	8.2	12.0	6.8
13...	1022	40.0	623	8.2	12.0	6.8
13...	1023	45.0	629	8.2	11.9	6.3
JUN						
21...	1030	.50	476	8.0	16.4	7.4
21...	1031	5.00	475	8.0	15.7	7.4
21...	1032	10.0	474	8.0	15.3	7.3
21...	1033	15.0	474	8.0	15.2	7.4
21...	1034	20.0	474	8.0	15.1	7.2
21...	1035	25.0	477	8.0	14.7	6.9
21...	1036	30.0	479	7.8	13.4	6.4
21...	1037	35.0	504	7.6	12.2	5.6
21...	1038	40.0	539	7.5	10.4	4.8
21...	1039	45.0	548	7.5	10.0	4.8
21...	1040	50.0	624	7.4	7.6	4.2
21...	1041	55.0	640	7.4	7.3	4.0
21...	1042	60.0	661	7.4	6.8	3.7
21...	1043	65.0	672	7.4	6.6	3.6
JUL						
10...	1026	.50	519	8.1	20.2	7.2
10...	1027	5.00	512	8.1	19.5	6.8
10...	1028	10.0	513	8.0	19.4	6.7
10...	1029	15.0	512	8.0	19.4	6.7
10...	1030	20.0	544	7.7	18.1	5.2
10...	1031	25.0	530	7.4	15.3	4.2
10...	1032	30.0	523	7.4	14.5	4.1
10...	1033	35.0	525	7.3	12.7	3.8
10...	1034	40.0	526	7.3	12.5	3.8
10...	1035	45.0	530	7.2	12.2	3.7
10...	1036	50.0	559	7.2	10.5	3.3
10...	1037	55.0	630	7.2	8.2	2.7
10...	1038	60.0	646	7.2	7.8	2.6
AUG						
29...	1100	.50	596	8.1	18.1	6.6
29...	1101	5.00	596	8.1	18.1	6.6
29...	1102	10.0	596	8.1	18.0	6.4
29...	1103	15.0	596	8.1	18.0	6.4
29...	1104	20.0	596	8.1	18.0	6.4
29...	1105	25.0	598	8.1	17.9	6.1
29...	1106	30.0	610	7.4	16.8	1.9
29...	1107	35.0	578	7.2	14.6	.2
29...	1108	40.0	573	7.2	13.5	.2
29...	1109	45.0	581	7.2	11.9	.2
29...	1110	50.0	608	7.2	10.1	.2
29...	1111	55.0	635	7.2	9.2	.1

400841106240600 WOLFORD MOUNTAIN RESERVOIR AT MIDLAKE NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	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, MTEC MF WATER (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...	1030	623	8.2	12.0	2.0	--	77.0	6.8	<1	<1	273	67.3	25.5
13...	1045	629	8.2	11.9	2.6	--	--	6.3	--	--	269	65.9	25.4
JUN													
21...	1050	476	8.0	16.4	--	3.4	114	7.4	<1	E2	212	53.9	18.7
21...	1055	672	7.4	6.6	--	4.4	--	3.6	--	--	301	75.7	27.2
JUL													
10...	1045	519	8.1	20.2	--	2.8	111	7.2	<1	--	220	55.8	19.6
10...	1100	646	7.2	7.8	--	4.8	--	2.6	--	--	276	67.1	26.2
AUG													
29...	1115	596	8.1	18.1	--	5.2	99.0	6.6	<1	<1	249	63.2	22.1
29...	1130	635	7.2	9.2	--	8.3	--	.1	--	--	250	63.7	22.0

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	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, TOTAL (MG/L AS N) (00600)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT													
13...	26.3	.693	2.19	125	201	2.7	E.2	6.9	429	407	.58	1.72	--
13...	26.2	.695	2.18	125	200	<.1	.2	7.1	430	--	--	.467	--
JUN													
21...	20.2	.604	1.81	102	140	2.1	.2	8.0	340	306	.46	.388	.334
21...	30.3	.760	2.35	126	215	3.0	.2	8.0	477	438	.65	.603	.360
JUL													
10...	19.6	.574	1.91	109	151	2.2	E.2	8.0	360	324	.49	.364	--
10...	28.7	.752	2.23	123	209	2.9	.2	8.5	461	419	.63	.534	.324
AUG													
29...	25.4	.702	2.13	124	180	2.9	.2	7.3	419	377	.57	.411	.393
29...	26.9	.741	2.11	121	187	3.0	.2	8.7	425	387	.58	.549	.356

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, NITRATE DIS-SOLVED (MG/L AS N) (00618)	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)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)
OCT													
13...	<.006	.053	<.041	--	--	1.7	.28	E.038	<.060	<.018	2.0	<.1	--
13...	E.003	.051	<.041	--	--	.42	.30	<.060	<.060	<.018	--	--	--
JUN													
21...	.002	.031	.023	.281	.029	.36	.30	.013	E.006	<.007	.4	<.1	.030
21...	<.001	.227	.016	.297	--	.38	.31	.013	E.006	<.007	--	--	.021
JUL													
10...	.001	.009	<.002	--	.008	.35	.34	.015	.007	<.007	1.0	<.1	--
10...	.001	.198	.012	.338	.197	.34	.35	.024	.008	<.007	--	--	.015
AUG													
29...	.001	.007	.011	.317	.006	.40	.33	.008	E.004	<.007	1.6	<.1	.014
29...	<.001	.175	.018	.285	--	.37	.30	.013	E.005	<.007	--	--	.023

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)	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)
OCT													
13...	53	<2	E1.1	61.4	62.2	<5.00	<.11	<.14	M	<.8	<1	2.5	2.7
13...	60	E1	E1.1	60.7	62.2	<5.00	<.11	<.14	M	<.8	<1	2.3	1.8
JUN													
21...	43	<2	<2.0	50.0	52.1	<2.50	<.10	<.10	<1	<.8	<1	1.6	1.7
21...	54	<2	<2.0	60.4	60.1	<2.50	<.10	<.10	<1	<.8	<1	1.8	1.8
JUL													
10...	33	<2	<2.0	50.9	54.0	<2.50	<.10	<.10	<1	E.4	<1	1.7	1.9
10...	56	<2	<2.0	57.9	59.4	<2.50	<.10	<.10	<1	<.8	<1	--	--
AUG													
29...	22	<2	E1.1	58.6	56.5	<2.50	<.10	<.10	<1	E.4	<1	1.8	2.0
29...	70	<2	<2.0	54.3	51.0	<2.50	<.10	<.10	<1	<.8	<1	1.7	1.9

400841106240600 WOLFORD MOUNTAIN RESERVOIR AT MIDLAKE NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	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)
OCT													
13...	70	<10	<1	<.08	24.2	16	9.8	<.14	<.23	2.2	2	2.6	2.6
13...	90	<10	<1	E.05	23.2	17	10.3	<.14	<.23	2.2	2	2.6	2.7
JUN													
21...	70	M	<1	<.08	16.8	6	4.3	<.01	<.01	1.8	2	1.7	1.9
21...	90	<10	<1	<.08	25.8	39	6.9	.01	0	2.3	3	2.5	2.7
JUL													
10...	60	M	<1	<.08	21.1	8	5.9	<.01	<.01	1.9	3	1.9	1.9
10...	90	<10	<1	<.08	27.6	36	5.0	<.01	<.01	2.2	3	2.8	2.4
AUG													
29...	30	<10	<1	<.08	24.5	3	1.0	<.01	<.01	2.2	3	1.9	2.0
29...	130	M	<1	<.08	25.0	52	8.4	<.01	<.01	2.1	3	--	--

DATE	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				
13...	<.05	<1.0	2	1
13...	<.05	<1.0	2	2
JUN				
21...	<.05	<1.0	1	<1
21...	<.05	<1.0	1	1
JUL				
10...	<.05	<1.0	1	1
10...	<.05	<1.0	3	2
AUG				
29...	<.05	<1.0	<1	2
29...	<.05	<1.0	2	2

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

400812106254800 ALKALI SLOUGH #2 AT WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°08'12", long 106°25'48", NW$^{1}/_{4}$NW$^{1}/_{4}$ 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
OCT													
11...	1520	.10	2520	7.4	9.0	3.0	6.5	1650	530	78.8	29.9	.320	4.66
JUL													
03...	1030	.50	2460	7.7	11.0	--	8.0	1650	570	52.9	26.3	.282	3.85

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)	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)
OCT													
11...	244	1510	5.5	.9	9.7	2450	2320	3.33	.66	<10	<.006	E.035	.048
JUL													
03...	174	1400	4.2	1.1	9.6	2390	2170	3.26	3.2	24	.001	.298	.267

DATE	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)	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)
OCT													
11...	.166	.28	.21	<.060	<.060	<.018	6.2	.2	55	<2	E1.1	22.1	21.1
JUL													
03...	.102	.42	.37	.031	E.005	E.004	7.2	.6	178	<2	<2.0	23.3	20.5

DATE	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)	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)
OCT													
11...	<5.00	183	E.08	<.14	M	<.8	1	10.9	E1.2	220	40	<1	<1.00
JUL													
03...	<2.50	145	E.08	<.30	<2	3.1	2	8.1	E1.9	510	20	<1	<2.00

DATE	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)	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)
OCT													
11...	64.3	24	20.5	<.14	<.23	11.8	10.8	14	16.5	7.7	9.4	<.05	<.2
JUL													
03...	45.6	27	24.2	<.01	<.01	11.2	10.9	26	18.6	36.6	26.2	<.05	<.3

400812106254800 ALKALI SLOUGH #2 AT WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)
OCT				
11...	5300	12	<20	--
JUL				
03...	4690	9	<20	16

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

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 FOR CURRENT YEAR.--Maximum contents, 62,900 acre-ft, June 20 AT 2145, elevation, 7,486.99 ft; minimum, 42,900 acre ft, March 22 AT 1345, elevation 7,471.64 ft.

MONTHEND ELEVATION AND CONTENTS (DAILY MEAN), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	7,475.46	47,400	-
Oct. 31	7,474.36	46,100	-1,300
Nov. 30	7,473.91	45,500	-600
Dec. 31	7,473.21	44,700	-800
CAL YR 2000	-	-	-4,400
Jan. 31	7,472.64	44,000	-700
Feb. 28	7,472.14	43,500	-500
Mar. 31	7,471.99	43,300	-200
Apr. 30	7,472.74	44,200	+900
May 31	7,486.13	61,600	+17,400
June 30	7,486.67	62,400	+800
July 31	7,484.58	59,400	-3,000
Aug. 31	7,479.81	52,900	-6,500
Sept. 30	7,473.76	45,400	-7,500
WTR YR 2001	-	-	-2,000

09041395 WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO

WATER-QUALITY RECORDS

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, 5 mi north of Kremmling.

DRAINAGE AREA.--270 mi^2.

PERIOD OF RECORD.--July 1995 to current year.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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						
13...	0930	.10	626	7.9	11.6	6.5
13...	0931	5.00	626	8.0	11.6	6.5
13...	0932	10.0	626	8.0	11.6	6.5
13...	0933	15.0	626	8.0	11.6	6.5
13...	0934	20.0	626	8.0	11.6	6.5
13...	0935	25.0	626	8.0	11.6	6.4
13...	0936	30.0	626	8.0	11.6	6.4
13...	0937	40.0	626	8.0	11.5	6.4
13...	0938	50.0	626	8.0	11.5	6.4
13...	0939	60.0	636	8.0	11.2	5.2
13...	0940	70.0	715	7.8	8.6	.2
13...	0941	80.0	773	7.8	8.3	.2
13...	0942	90.0	--	7.6	8.0	.1
JUN						
21...	0925	.50	473	8.1	16.2	7.4
21...	0926	5.00	472	8.1	15.9	7.4
21...	0927	10.0	472	8.1	15.9	7.3
21...	0928	15.0	472	8.1	15.8	7.3
21...	0929	20.0	471	8.0	15.5	7.2
21...	0930	25.0	476	7.8	13.1	6.5
21...	0931	30.0	486	7.7	12.6	6.1
21...	0932	35.0	498	7.6	12.0	5.6
21...	0933	40.0	513	7.6	11.1	5.4
21...	0934	45.0	526	7.5	10.4	5.2
21...	0935	50.0	556	7.5	9.3	5.1
21...	0936	55.0	585	7.5	8.4	5.0
21...	0937	60.0	621	7.5	7.5	4.8
21...	0938	65.0	637	7.5	7.2	4.6
21...	0939	70.0	661	7.5	6.9	4.5
21...	0940	75.0	680	7.5	6.3	4.2
21...	0941	80.0	708	7.4	5.9	3.9
21...	0942	85.0	736	7.4	5.6	3.5
21...	0943	90.0	743	7.1	5.6	3.4
21...	0944	100	761	7.4	5.5	3.3
JUL						
10...	0938	.50	502	8.0	19.0	6.7
10...	0939	5.00	501	8.1	18.7	6.6
10...	0940	10.0	500	8.1	18.5	6.6
10...	0941	15.0	501	8.0	18.4	6.5
10...	0942	20.0	500	8.0	18.2	6.5
10...	0943	25.0	502	7.6	16.1	5.1
10...	0944	30.0	497	7.4	14.3	4.6
10...	0945	35.0	504	7.4	13.2	4.3
10...	0946	40.0	515	7.3	12.3	4.0
10...	0947	45.0	537	7.3	11.1	3.8
10...	0948	50.0	587	7.3	9.2	3.7
10...	0949	55.0	629	7.3	7.9	3.7
10...	0950	60.0	671	7.3	7.0	3.3
10...	0951	65.0	685	7.2	6.7	3.0
10...	0952	70.0	696	7.2	6.6	3.0
10...	0953	75.0	708	7.2	6.4	2.9
10...	0954	80.0	715	7.2	6.3	2.8
10...	0955	85.0	721	7.2	6.3	2.8
10...	0956	90.0	727	7.2	6.2	2.8
10...	0957	100	734	7.2	6.2	2.7
AUG						
29...	0950	.50	591	8.1	17.7	6.0
29...	0951	5.00	591	8.1	17.6	5.9
29...	0952	10.0	591	8.1	17.6	5.9
29...	0953	15.0	591	8.1	17.6	5.9
29...	0954	20.0	590	8.1	17.5	5.8
29...	0955	25.0	590	8.1	17.5	5.8
29...	0956	30.0	590	7.9	17.2	4.8
29...	0957	35.0	582	7.4	16.4	1.3
29...	0958	40.0	565	7.3	13.1	.6
29...	0959	45.0	580	7.2	11.4	1.0
29...	1000	50.0	591	7.2	10.7	1.0
29...	1001	55.0	608	7.2	9.9	1.0
29...	1002	60.0	658	7.2	8.4	.7
29...	1003	65.0	677	7.2	7.9	.6
29...	1004	70.0	696	7.2	7.5	.5
29...	1005	75.0	700	7.2	7.4	.5
29...	1006	80.0	718	7.2	7.3	.4
29...	1007	85.0	739	7.2	7.3	.4
29...	1008	90.0	764	7.2	7.3	.3
29...	1009	100	--	7.3	7.1	.1

MUDDY CREEK BASIN

09041395 WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	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, MTEC MF WATER (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...	0945	626	7.9	11.6	2.4	--	82.0	6.5	<1	<1	268	65.7	25.2
13...	1000	--	7.6	8.0	8.0	--	--	.1	--	--	321	78.9	30.2
JUN													
21...	1000	473	8.1	.5	--	4.2	144	7.4	<1	E4	211	53.6	18.6
21...	1010	761	7.4	5.5	--	4.0	--	3.3	--	--	356	88.6	32.7
JUL													
10...	1005	502	8.0	19.0	--	4.5	96.0	6.7	<1	E1	217	54.8	19.4
10...	1020	734	7.2	6.2	--	4.5	--	2.7	--	--	327	80.3	30.7
AUG													
29...	1015	591	8.1	17.7	--	5.7	--	6.0	--	--	253	62.8	23.3
29...	1030	764	7.2	7.1	--	7.9	90.0	.3	<1	<1	343	90.3	28.6

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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT													
13...	26.5	.704	2.08	126	200	2.8	E.2	6.9	430	405	.58	<.006	.058
13...	31.6	.766	2.49	133	256	3.4	.2	9.6	527	493	.72	E.005	.144
JUN													
21...	20.3	.610	1.86	101	140	2.1	.3	7.7	342	306	.47	.002	.034
21...	37.2	.859	2.59	136	272	3.6	.2	8.2	578	528	.79	<.001	.284
JUL													
10...	20.3	.601	1.85	106	148	2.1	.2	7.8	350	318	.48	.002	.013
10...	32.7	.786	2.52	133	258	3.4	.2	8.5	549	497	.75	.001	.245
AUG													
29...	26.0	.712	2.09	122	179	2.7	.2	7.3	413	377	.56	.002	.012
29...	32.3	.759	2.44	132	277	3.6	.2	8.8	580	524	.79	.001	.239

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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	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)
OCT													
13...	<.041	--	.39	.28	<.060	<.060	<.018	1.0	<.1	62	E1	E1.1	62.5
13...	.117	.283	.52	.40	E.031	<.060	E.011	--	--	--	E1	<2.0	64.5
JUN													
21...	.023	.285	.39	.31	.012	.006	<.007	.7	<.1	30	<2	<2.0	49.8
21...	.028	.289	.38	.32	.014	E.005	<.007	--	--	41	<2	<2.0	62.0
JUL													
10...	.013	.304	.37	.32	.013	.008	<.007	.9	<.1	38	<2	<2.0	50.8
10...	.029	.315	.27	.34	.010	.006	<.007	--	--	40	<2	<2.0	60.6
AUG													
29...	.011	.304	.37	.32	.009	E.004	<.007	.9	<.1	33	<2	E1.1	57.4
29...	.056	.292	.41	.35	.013	.007	<.007	--	--	36	M	<2.0	57.2

DATE	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)	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)
OCT													
13...	61.4	<5.00	<.11	<.14	<1	<.8	<1	2.5	2.6	80	<10	<1	E.04
13...	62.8	<5.00	<.11	<.14	M	<.8	<1	3.0	1.7	--	M	<1	<.08
JUN													
21...	52.0	<2.50	<.10	<.10	<1	<.8	<1	1.5	1.7	50	10	<1	<.08
21...	63.1	<2.50	<.10	<.10	<1	<.8	<1	1.9	1.9	70	<10	<1	<.08
JUL													
10...	54.4	<2.50	<.10	<.10	<1	E.7	<1	1.7	1.9	60	M	<1	<.08
10...	62.3	<2.50	<.10	<.10	<1	<.8	<1	1.7	2.2	90	<10	<1	<.08
AUG													
29...	59.0	<2.50	<.10	<.10	<1	<.8	<1	1.9	1.9	40	<10	<1	<.08
29...	53.4	<2.50	<.10	<.10	<1	<.8	<1	1.9	2.3	60	<10	<1	<.08

09041395 WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	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													
13...	23.3	15	7.0	<.14	<.23	2.2	2	2.7	2.7	<.05	<1.0	2	3
13...	30.0	--	--	<.14	<.23	3.0	3	3.1	3.2	<1.00	<1.0	3	2
JUN													
21...	17.0	4	3.6	.01	0	1.8	2	1.7	1.7	<.05	<1.0	<1	<1
21...	29.6	51	5.6	.01	M	2.8	3	3.1	3.3	<.05	<1.0	2	1
JUL													
10...	20.2	6	3.6	<.01	<.01	2.0	3	2.2	1.9	<.05	<1.0	2	1
10...	33.6	53	10.1	<.01	<.01	2.7	4	3.2	3.2	<.05	<1.0	2	2
AUG													
29...	24.4	3	.5	<.01	<.01	2.3	3	1.9	2.6	<.05	<1.0	1	1
29...	30.3	--	13.5	<.01	<.01	3.6	4	2.7	3.8	<.05	<1.0	4	3

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO

LOCATION.--Lat 40°06'31", long 106°24'48", in NW$^{1}/_{4}$SE$^{1}/_{4}$ 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.--Records good. Flow is entirely regulated by Wolford Mountain Reservoir.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	23	23	22	21	21	33	34	76	158	84	156
2	21	23	23	22	21	21	32	76	75	168	83	156
3	21	23	23	22	22	21	32	73	75	165	65	156
4	22	23	23	22	22	22	64	73	76	120	53	156
5	22	23	22	22	22	22	112	73	77	115	53	180
6	23	23	23	22	22	22	106	73	76	139	53	208
7	23	23	22	22	22	22	64	73	75	132	34	216
8	23	23	22	22	22	22	39	76	74	113	25	218
9	23	22	22	22	22	22	52	80	74	96	28	218
10	23	22	22	22	22	22	82	79	74	74	28	223
11	23	23	22	22	22	22	96	79	73	68	25	226
12	22	23	22	21	22	22	121	79	74	105	30	226
13	22	23	22	21	22	22	109	80	75	96	94	209
14	23	23	22	21	22	23	65	80	75	72	112	153
15	23	23	22	21	22	23	65	80	75	70	126	85
16	21	23	22	21	22	23	64	80	74	68	138	71
17	19	23	22	21	22	23	64	81	74	68	154	71
18	20	23	22	21	22	23	48	81	75	68	179	68
19	20	23	22	21	22	23	30	82	75	47	179	64
20	20	23	22	21	22	23	26	82	75	33	170	66
21	21	23	22	21	22	23	28	83	75	35	164	67
22	21	23	22	21	22	23	29	83	75	34	163	67
23	22	23	22	21	22	23	80	82	72	29	164	67
24	22	23	22	21	22	23	155	82	65	25	168	68
25	22	23	22	21	22	e34	171	83	65	29	171	71
26	22	23	22	22	22	e47	181	83	65	29	161	73
27	22	23	22	21	22	e46	203	83	65	33	152	73
28	22	23	22	21	21	43	203	83	65	42	157	73
29	22	23	22	21	---	40	106	83	65	48	157	73
30	22	23	22	21	---	36	21	76	103	53	157	73
31	22	---	22	21	---	33	---	77	---	79	157	---
TOTAL	676	688	687	663	613	815	2481	2412	2212	2411	3484	3831
MEAN	21.8	22.9	22.2	21.4	21.9	26.3	82.7	77.8	73.7	77.8	112	128
MAX	23	23	23	22	22	47	203	83	103	168	179	226
MIN	19	22	22	21	21	21	21	34	65	25	25	64
AC-FT	1340	1360	1360	1320	1220	1620	4920	4780	4390	4780	6910	7600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

MEAN	76.7	30.3	22.1	23.2	25.3	41.3	99.1	291	232	80.5	96.3	114
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	21.8	22.9	7.07	15.8	21.0	21.2	38.6	77.8	73.7	60.4	39.3	51.2
(WY)	2001	2001	1996	1996	1996	2000	2000	2001	2001	1996	1995	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1995 - 2001	
ANNUAL TOTAL	31680		20973			
ANNUAL MEAN	86.6		57.5		96.2	
HIGHEST ANNUAL MEAN					129	1997
LOWEST ANNUAL MEAN					57.5	2001
HIGHEST DAILY MEAN	782	May 12	226	Sep 11	992	Jun 3 1997
LOWEST DAILY MEAN	19	Mar 29	19	Oct 17	2.8	Dec 3 1995
ANNUAL SEVEN-DAY MINIMUM	20	Oct 16	20	Oct 16	3.4	Dec 2 1995
MAXIMUM PEAK FLOW			231	Sep 11	1030	Jun 2 1997
MAXIMUM PEAK STAGE			5.52	Sep 11	8.39	Jun 2 1997
ANNUAL RUNOFF (AC-FT)	62840		41600		69720	
10 PERCENT EXCEEDS	207		152		208	
50 PERCENT EXCEEDS	23		28		51	
90 PERCENT EXCEEDS	21		22		22	

e Estimated.

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. Dissolved oxygen records are rated poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum 1,910 microsiemens/cm, Oct. 20, 1996; minimum, 281 microsiemens/cm, 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 PERIOD.--
SPECIFIC CONDUCTANCE: Maximum, 962 microsiemens/cm, May 21; minimum, 482 microsiemens/cm, June 6, 7.
WATER TEMPERATURE: Maximum, 18.4°C, August 20; minimum, 2.0°C, Jan. 17.
DISSOLVED OXYGEN: Maximum, 10.1 mg/L, Apr. 13; minimum, 4.9 mg/L, Aug 10.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E COLI, MTEC MF WATER (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													
11...	1320	22	626	8.4	13.0	2.5	--	7.4	<1	<1	271	67.9	24.7
NOV													
21...	1245	22	662	8.4	5.0	1.5	--	8.7	<1	<1	287	71.5	26.3
DEC													
12...	1200	23	660	8.4	3.5	.9	--	8.8	<1	<1	301	74.5	28.0
JAN													
23...	1245	22	692	8.2	3.5	--	--	8.1	<1	<1	301	74.2	28.1
FEB													
12...	1030	22	704	7.4	3.5	.7	--	7.9	<1	<1	314	78.5	28.7
MAR													
13...	1020	22	707	8.1	4.0	.7	--	7.2	<1	<1	313	77.5	29.1
APR													
10...	1455	96	734	8.1	4.5	.9	--	9.7	<1	<1	327	81.0	30.2
MAY													
09...	0920	76	666	8.3	8.0	5.0	--	9.5	E1	<1	286	70.0	27.0
JUN													
06...	1400	67	718	8.0	8.0	--	4.1	9.2	<1	<1	303	74.3	28.6
JUL													
06...	1120	148	707	8.3	8.0	--	5.0	8.9	<1	<1	317	78.1	29.4
AUG													
28...	1115	165	580	8.3	16.0	--	6.3	8.5	<1	<1	248	62.2	22.3
SEP													
20...	1215	70	608	8.4	15.0	--	3.5	8.1	E1	<1	260	64.5	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)	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)
OCT													
11...	27.4	.724	2.04	125	204	3.3	.2	6.9	439	412	.6	26	<10
NOV													
21...	29.1	.748	2.25	129	216	3.4	.2	7.4	467	434	.6	28	--
DEC													
12...	31.9	.801	2.31	131	224	3.3	.2	7.7	475	452	.6	30	--
JAN													
23...	31.2	.782	2.32	136	229	3.0	.2	7.1	494	457	.7	30	--
FEB													
12...	32.8	.805	2.46	136	230	3.4	.2	7.1	503	465	.7	30	--
MAR													
13...	31.2	.767	2.54	138	237	3.3	.2	7.2	512	472	.7	30	--
APR													
10...	33.3	.801	2.39	141	243	3.6	.2	7.6	536	486	.7	139	--
MAY													
09...	31.3	.805	2.40	131	214	3.2	.2	7.2	478	435	.7	98	--
JUN													
06...	32.5	.812	2.07	133	245	3.3	.2	7.8	518	475	.7	93	--
JUL													
06...	33.0	.808	2.37	129	237	3.3	.2	7.2	525	469	.71	210	<10
AUG													
28...	26.9	.744	2.05	119	177	2.7	.2	7.6	400	374	.54	178	<10
SEP													
20...	26.0	.703	2.09	124	191	3.0	.2	7.3	428	393	.6	81	--

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITROGEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,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)	ARSENIC TOTAL (UG/L AS AS) (01002)
OCT													
11...	E.003	.067	<.041	--	.39	.28	<.060	<.060	<.018	6.3	<.2	--	--
NOV													
21...	<.006	.068	E.036	--	.38	.35	<.060	<.060	<.018	--	--	--	--
DEC													
12...	<.006	.089	E.035	--	.36	.38	<.060	<.060	<.018	--	--	--	--
JAN													
23...	<.006	.123	E.023	--	.34	.35	<.060	<.060	<.018	--	--	--	--
FEB													
12...	<.006	.117	<.041	--	.40	.29	<.060	<.060	<.018	--	--	--	--
MAR													
13...	<.006	.149	E.021	--	.34	.36	<.060	<.060	<.018	--	--	--	--
APR													
10...	<.006	.183	<.041	--	.33	.30	<.060	<.060	<.018	--	--	--	--
MAY													
09...	.002	.139	.025	.290	.42	.32	.016	E.004	<.007	--	--	--	--
JUN													
06...	<.006	.188	<.040	--	.32	.27	<.060	<.060	<.020	--	--	--	--
JUL													
06...	.001	.226	.008	.284	.35	.29	.007	E.004	<.007	5.9	.3	38	<2
AUG													
28...	.002	.065	.012	.312	.36	.32	.009	E.004	<.007	6.3	.3	39	<2
SEP													
20...	.003	.034	.012	.315	.36	.33	.014	E.005	<.007	--	--	--	--

DATE	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)	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)
OCT													
11...	--	--	--	--	--	--	--	--	--	--	--	--	90
NOV													
21...	--	--	--	--	--	--	--	--	--	--	--	--	60
DEC													
12...	--	--	--	--	--	--	--	--	--	--	--	--	40
JAN													
23...	--	--	--	--	--	--	--	--	--	--	--	--	20
FEB													
12...	--	--	--	--	--	--	--	--	--	--	--	--	20
MAR													
13...	--	--	--	--	--	--	--	--	--	--	--	--	E10
APR													
10...	--	--	--	--	--	--	--	--	--	--	--	--	30
MAY													
09...	--	--	--	--	--	--	--	--	--	--	--	--	120
JUN													
06...	--	--	--	--	--	--	--	--	--	--	--	--	70
JUL													
06...	<2.0	58.1	62.1	<2.50	56	<.10	<.10	<1	<.8	<1	2.2	E1.1	60
AUG													
28...	<2.0	56.6	55.9	<2.50	47	E.06	<.10	<1	1.6	<1	1.8	1.5	50
SEP													
20...	--	--	--	--	--	--	--	--	--	--	--	--	50

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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 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)	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)
OCT													
11...	<10	--	--	--	14	6.4	--	--	--	--	--	--	--
NOV													
21...	<10	--	--	--	24	4.4	--	--	--	--	--	--	--
DEC													
12...	<10	--	--	--	30	23.7	--	--	--	--	--	--	--
JAN													
23...	<10	--	--	--	7	3.4	--	--	--	--	--	--	--
FEB													
12...	M	--	--	--	6	E3.2	--	--	--	--	--	--	--
MAR													
13...	<10	--	--	--	5	E2.7	--	--	--	--	--	--	--
APR													
10...	<10	--	--	--	5	E2.3	--	--	--	--	--	--	--
MAY													
09...	<10	--	--	--	12	E2.1	--	--	--	--	--	--	--
JUN													
06...	<10	--	--	--	25	11.0	--	--	--	--	--	--	--
JUL													
06...	<10	<1	<1.00	28.2	22	4.8	M	M	2.5	2.4	4	E2.21	3.0
AUG													
28...	<10	<1	<1.00	23.9	10	3.3	<.01	<.01	2.2	1.9	3	E1.23	2.1
SEP													
20...	<10	--	--	--	5	E1.6	--	--	--	--	--	--	--

DATE	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						
11...	--	--	--	--	--	--
NOV						
21...	--	--	--	--	--	--
DEC						
12...	--	--	--	--	--	--
JAN						
23...	--	--	--	--	--	--
FEB						
12...	--	--	--	--	--	--
MAR						
13...	--	--	--	--	--	--
APR						
10...	--	--	--	--	--	--
MAY						
09...	--	--	--	--	--	--
JUN						
06...	--	--	--	--	--	--
JUL						
06...	2.4	<.05	<.2	675	2	<20
AUG						
28...	E1.9	<.05	<.2	552	1	<20
SEP						
20...	--	--	--	--	--	--

E Estimated laboratory analysis value.

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.8	7.2	7.7	7.6	6.5	6.9	9.2	8.6	8.8	8.0	7.2	7.5
2	8.7	6.0	7.4	7.5	6.6	7.0	9.1	8.5	8.8	7.9	7.3	7.6
3	7.3	5.8	6.3	7.5	6.7	7.0	9.0	8.4	8.7	8.0	7.4	7.6
4	7.3	5.7	6.3	7.5	6.5	7.0	8.9	8.3	8.5	7.8	7.3	7.5
5	7.6	5.8	6.5	7.4	6.4	6.7	8.8	8.2	8.4	7.9	7.3	7.6
6	7.6	6.0	6.6	7.3	6.5	6.8	8.9	8.2	8.4	7.9	7.3	7.5
7	7.7	6.1	6.7	7.2	6.5	6.7	8.9	8.2	8.4	7.9	7.3	7.5
8	7.7	6.1	6.7	7.2	6.5	6.8	8.8	8.2	8.4	8.0	7.4	7.6
9	7.5	6.0	6.6	7.1	6.3	6.6	8.7	8.1	8.3	7.9	7.3	7.6
10	7.1	5.7	6.3	6.9	6.2	6.5	8.8	8.0	8.3	8.0	7.4	7.6
11	7.2	5.2	6.0	7.0	6.3	6.6	8.7	7.9	8.3	8.0	7.3	7.6
12	7.2	5.3	6.2	7.3	6.4	6.8	8.5	7.8	8.1	7.9	7.2	7.6
13	7.3	5.9	6.4	7.3	6.6	6.9	8.5	7.8	8.0	8.0	7.2	7.4
14	7.3	5.8	6.4	7.3	6.6	6.9	8.4	7.7	8.0	7.9	7.2	7.5
15	7.3	6.0	6.5	7.5	6.7	7.0	8.4	7.6	8.0	7.9	7.3	7.5
16	7.2	6.0	6.5	7.6	6.8	7.1	8.3	7.5	7.9	8.1	7.4	7.7
17	7.4	6.1	6.5	7.8	7.0	7.3	8.5	7.5	7.9	8.2	7.5	7.7
18	7.2	6.0	6.5	8.0	7.3	7.6	8.5	7.6	7.9	7.9	7.2	7.5
19	7.4	6.2	6.7	8.4	7.4	7.8	8.2	7.5	7.7	7.8	7.2	7.4
20	7.3	6.3	6.7	8.3	7.7	7.9	8.4	7.4	7.8	7.8	7.2	7.4
21	7.6	6.3	6.8	8.4	7.7	8.0	8.1	7.4	7.7	7.9	7.4	7.6
22	7.6	6.3	6.8	8.5	7.8	8.0	8.2	7.5	7.7	7.9	7.4	7.5
23	7.6	6.5	6.9	8.5	7.8	8.0	8.1	7.4	7.7	8.6	7.3	7.9
24	7.5	6.4	6.7	8.5	7.9	8.1	8.1	7.4	7.7	8.8	8.1	8.4
25	7.3	6.3	6.6	8.5	7.9	8.1	8.2	7.3	7.7	8.7	8.1	8.3
26	7.3	6.2	6.6	8.5	7.9	8.2	8.2	7.3	7.6	8.7	8.0	8.3
27	7.5	6.4	6.8	8.7	8.0	8.2	8.1	7.3	7.7	8.7	8.0	8.2
28	7.6	6.4	6.9	8.7	8.0	8.3	8.1	7.3	7.6	8.6	7.9	8.2
29	7.7	6.6	6.9	8.8	8.1	8.4	8.1	7.3	7.6	8.7	7.8	8.1
30	7.5	6.5	6.9	9.0	8.2	8.6	7.9	7.2	7.5	8.3	7.7	7.9
31	7.5	6.5	6.9	---	---	---	7.8	7.2	7.5	8.3	7.7	7.9
MONTH	8.8	5.2	6.7	9.0	6.2	7.4	9.2	7.2	8.0	8.8	7.2	7.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.3	7.6	7.9	7.3	6.1	6.5	9.7	9.1	9.3	8.9	8.2	8.7
2	8.3	7.6	7.9	7.3	6.1	6.5	9.7	9.1	9.3	9.0	8.6	8.8
3	8.2	7.4	7.8	7.2	6.2	6.5	9.8	9.1	9.4	8.9	8.6	8.7
4	8.1	7.3	7.6	7.1	6.1	6.5	10.0	9.1	9.6	9.0	8.6	8.8
5	8.0	7.2	7.5	7.2	6.2	6.6	9.9	9.5	9.7	8.7	8.5	8.6
6	7.7	7.0	7.3	7.2	6.2	6.6	9.6	9.1	9.3	8.8	8.5	8.6
7	7.9	7.0	7.3	7.2	6.2	6.6	9.5	9.0	9.3	8.8	8.4	8.6
8	7.9	7.0	7.4	7.5	6.1	6.6	9.4	9.0	9.2	8.7	8.4	8.6
9	7.9	7.1	7.4	7.0	6.0	6.4	9.4	9.1	9.2	9.0	8.5	8.6
10	7.7	6.9	7.3	7.1	5.6	6.5	9.7	9.1	9.4	8.6	8.3	8.5
11	7.6	6.8	7.2	7.1	6.2	6.6	9.8	9.5	9.7	8.6	8.3	8.5
12	---	---	---	7.1	6.0	6.5	9.9	9.7	9.8	8.7	8.4	8.6
13	---	---	---	6.9	6.0	6.4	10.1	9.7	9.9	8.7	8.4	8.5
14	---	---	---	7.4	6.0	6.5	9.9	9.7	9.8	8.7	8.4	8.6
15	---	---	---	7.3	6.1	6.5	10.0	9.6	9.7	8.7	8.5	8.6
16	---	---	---	7.2	6.0	6.5	9.9	9.6	9.7	8.6	8.3	8.4
17	7.5	6.8	7.0	7.1	5.9	6.3	9.9	9.5	9.7	8.7	8.5	8.6
18	7.4	6.7	7.0	7.3	5.9	6.4	9.9	9.3	9.6	8.6	8.2	8.4
19	7.5	6.6	6.9	7.4	6.0	6.5	9.7	9.0	9.3	8.7	8.3	8.5
20	7.4	6.6	6.9	7.1	5.8	6.3	9.3	9.0	9.1	8.6	7.9	8.4
21	7.6	6.5	6.9	7.0	5.8	6.2	9.5	8.9	9.2	8.7	7.9	8.4
22	7.4	6.3	6.7	6.8	5.7	6.2	9.3	8.9	9.1	8.7	8.3	8.5
23	7.3	6.3	6.6	6.8	5.8	6.3	9.7	8.9	9.4	8.8	8.2	8.5
24	7.7	6.3	6.7	6.9	5.9	6.4	9.9	9.7	9.8	8.8	8.3	8.6
25	7.8	6.3	6.7	9.6	6.0	7.9	9.9	9.6	9.7	8.8	8.3	8.6
26	7.5	6.2	6.7	9.7	9.1	9.4	9.8	9.6	9.7	8.7	8.4	8.6
27	7.2	6.2	6.5	9.7	9.3	9.5	9.9	9.7	9.8	8.6	8.3	8.5
28	7.2	6.1	6.5	9.7	9.2	9.4	9.7	9.6	9.7	8.7	8.4	8.5
29	---	---	---	9.7	9.1	9.3	9.8	8.7	9.4	8.8	8.3	8.5
30	---	---	---	9.6	9.1	9.3	8.9	8.3	8.7	8.8	8.3	8.6
31	---	---	---	9.8	9.1	9.4	---	---	---	8.8	8.4	8.6
MONTH	---	---	---	9.8	5.6	7.1	10.1	8.3	9.5	9.0	7.9	8.6

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.8	8.3	8.6	8.9	8.7	8.8	6.6	6.0	6.3	8.0	7.7	7.8
2	8.7	8.4	8.6	8.9	8.4	8.7	6.6	5.9	6.3	8.0	7.6	7.8
3	8.8	8.2	8.5	8.7	8.2	8.5	6.5	5.7	6.2	8.0	7.6	7.8
4	8.7	8.1	8.4	8.7	8.0	8.3	6.5	5.7	6.0	8.1	7.7	7.9
5	8.9	8.4	8.6	8.4	8.0	8.2	6.6	5.8	6.1	8.2	7.8	7.9
6	8.6	7.2	8.0	---	---	---	6.5	5.8	6.1	8.3	7.7	8.0
7	8.9	7.4	8.1	---	---	---	6.2	5.0	5.8	8.2	7.7	8.0
8	8.8	8.3	8.5	8.3	7.8	8.0	6.3	5.0	5.5	8.3	7.7	8.1
9	8.7	8.2	8.4	---	---	---	6.4	5.2	5.8	8.7	8.2	8.5
10	8.8	8.2	8.5	8.2	7.3	7.8	6.3	4.9	5.7	8.7	8.4	8.5
11	8.7	8.2	8.4	8.1	7.3	7.7	6.3	5.0	5.6	8.7	8.3	8.5
12	8.6	7.9	8.4	---	---	---	6.2	5.1	5.7	8.5	8.3	8.4
13	8.5	7.9	8.3	8.2	7.5	7.8	7.4	6.0	6.6	8.5	8.2	8.4
14	8.6	8.2	8.4	8.2	7.4	7.7	7.3	6.6	6.9	8.3	7.8	8.1
15	8.7	8.2	8.5	7.9	7.2	7.6	7.4	6.9	7.2	8.0	7.1	7.6
16	8.7	8.2	8.4	8.1	7.2	7.6	7.4	6.9	7.2	7.8	7.1	7.4
17	8.7	8.2	8.4	8.0	7.1	7.6	7.3	6.8	7.0	7.8	7.1	7.3
18	8.6	8.2	8.4	7.8	7.0	7.4	7.8	7.1	7.4	7.9	7.1	7.5
19	8.6	8.2	8.4	7.9	6.6	7.4	7.5	7.3	7.4	7.8	6.9	7.4
20	8.7	8.3	8.5	7.7	6.4	7.0	7.6	6.8	7.2	7.8	6.8	7.3
21	8.6	8.2	8.4	7.6	6.3	6.8	7.1	6.7	6.9	7.8	6.9	7.2
22	8.7	8.2	8.4	7.6	6.5	7.0	7.6	6.9	7.1	7.9	6.9	7.3
23	8.7	8.2	8.4	7.5	6.4	6.9	7.5	7.0	7.2	7.9	6.8	7.3
24	8.7	8.2	8.5	8.0	6.3	7.0	7.5	6.9	7.2	8.0	6.9	7.4
25	8.7	8.3	8.5	---	---	---	7.4	6.8	7.1	8.1	7.0	7.4
26	8.8	8.3	8.5	7.5	6.3	6.8	7.4	7.0	7.2	8.2	7.1	7.5
27	8.7	8.2	8.5	---	---	---	7.2	6.8	7.1	8.1	7.2	7.5
28	8.6	8.1	8.4	7.4	6.3	6.8	7.9	7.0	7.5	8.2	7.2	7.6
29	8.7	8.1	8.4	---	---	---	7.9	7.6	7.8	8.4	7.3	7.6
30	8.9	8.1	8.5	---	---	---	7.9	7.7	7.8	8.5	7.3	7.7
31	---	---	---	---	---	---	8.0	7.8	7.9	---	---	---
MONTH	8.9	7.2	8.4	---	---	---	8.0	4.9	6.7	8.7	6.8	7.8

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	630	623	625	658	656	657	671	670	671	695	693	694
2	631	625	628	660	658	658	672	670	671	695	693	694
3	629	626	628	660	659	660	672	670	671	694	692	693
4	630	627	628	662	660	661	672	671	671	696	693	694
5	630	627	629	664	662	663	672	669	671	696	694	695
6	631	629	630	664	662	663	673	672	673	697	695	696
7	632	630	631	667	664	665	674	673	673	697	695	696
8	634	631	632	668	666	667	675	673	674	697	694	696
9	636	632	634	668	666	667	676	674	675	698	696	697
10	640	635	637	672	668	670	679	676	677	698	696	697
11	651	640	643	670	667	669	681	678	680	698	696	697
12	650	643	645	668	667	668	682	680	681	699	696	697
13	644	642	643	668	667	668	684	681	682	700	698	699
14	645	642	644	668	666	667	684	683	683	700	698	699
15	645	644	644	667	663	665	683	678	682	700	699	700
16	647	643	645	666	664	665	684	683	684	700	698	699
17	648	645	647	666	664	665	684	681	683	699	697	698
18	648	646	647	666	664	665	683	682	682	700	698	699
19	648	647	648	667	664	665	685	682	684	701	699	700
20	650	647	648	665	664	664	685	684	685	702	700	701
21	650	648	649	673	663	668	687	684	686	702	700	701
22	651	649	650	673	672	672	688	686	687	702	701	701
23	651	649	650	673	672	672	688	687	688	726	701	704
24	652	649	651	673	672	672	690	687	688	704	702	703
25	653	651	652	673	671	672	690	688	689	705	701	704
26	653	651	652	672	671	672	691	689	690	705	704	705
27	654	652	653	672	671	672	693	690	692	705	701	703
28	654	652	653	673	671	672	693	690	691	703	700	702
29	655	652	654	673	671	672	692	689	690	704	701	703
30	656	654	655	672	670	671	693	690	691	706	703	705
31	657	655	656	---	---	---	693	692	693	706	704	705
MONTH	657	623	643	673	656	667	693	669	682	726	692	699

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	706	704	705	715	712	713	729	719	726	727	691	709
2	706	705	706	713	711	712	732	725	728	720	677	694
3	706	704	705	711	710	711	731	727	729	687	678	682
4	705	703	704	714	710	712	733	726	729	689	671	677
5	708	705	706	715	708	713	737	726	734	674	665	670
6	709	707	708	715	711	713	740	732	736	671	664	669
7	709	705	708	719	708	714	738	719	733	665	652	661
8	707	703	706	715	711	713	722	712	717	657	650	654
9	707	706	707	717	714	716	729	710	720	674	652	663
10	709	707	708	716	712	715	730	711	723	668	655	664
11	709	706	709	716	713	714	712	706	709	661	650	656
12	---	---	---	718	716	716	718	705	711	669	657	664
13	---	---	---	719	717	718	721	707	714	666	656	661
14	---	---	---	718	713	717	723	703	715	663	656	659
15	---	---	---	717	715	716	719	708	714	668	656	662
16	---	---	---	716	713	715	717	695	709	663	616	640
17	711	709	710	719	710	717	717	694	704	667	657	660
18	710	709	710	719	710	718	729	709	717	660	616	643
19	711	710	710	719	717	718	774	725	746	668	627	657
20	712	710	711	720	716	718	799	759	772	654	575	639
21	711	710	711	726	717	720	792	724	753	962	575	736
22	713	710	711	732	722	726	724	681	695	931	765	868
23	713	712	712	731	721	727	702	678	689	765	667	709
24	712	710	711	727	724	725	707	696	703	713	658	688
25	713	710	712	729	711	720	704	696	699	699	644	679
26	712	710	711	722	715	719	711	699	705	691	657	677
27	713	710	712	723	719	721	712	705	709	689	659	674
28	715	713	714	724	720	723	728	699	713	678	649	665
29	---	---	---	726	723	724	731	714	723	687	635	667
30	---	---	---	725	722	724	721	689	700	676	638	662
31	---	---	---	726	723	725	---	---	---	706	662	687
MONTH	---	---	---	732	708	718	799	678	719	962	575	677

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	715	685	704	711	682	696	681	642	665	598	595	596
2	721	674	707	708	670	693	681	639	663	598	594	596
3	729	655	693	715	663	693	675	641	664	599	592	596
4	691	643	663	703	673	690	677	655	667	605	596	600
5	720	665	701	704	666	684	675	660	667	606	600	604
6	676	482	561	---	---	---	676	661	668	608	595	602
7	728	482	625	---	---	---	684	659	670	611	601	607
8	743	728	737	704	669	691	685	675	681	610	602	606
9	746	732	738	---	---	---	688	674	680	615	601	609
10	739	719	727	699	643	680	679	667	676	622	612	618
11	750	711	736	696	670	684	690	674	682	624	616	620
12	746	666	723	693	670	683	687	670	681	622	611	617
13	722	659	705	692	660	681	674	654	665	617	609	612
14	735	699	715	694	672	685	670	649	658	616	603	611
15	733	697	721	691	664	678	671	644	658	614	603	609
16	726	696	719	696	655	679	671	643	653	607	602	605
17	730	710	721	694	655	675	662	639	651	608	603	607
18	731	698	717	693	648	671	665	636	648	609	606	607
19	723	700	710	692	652	681	657	632	643	608	605	606
20	730	697	717	696	673	684	654	569	606	619	605	612
21	723	690	707	694	668	683	576	564	571	620	618	619
22	725	696	714	692	682	689	596	563	567	621	619	620
23	722	691	709	698	679	688	571	566	568	622	620	621
24	720	686	707	701	686	697	571	565	567	624	621	622
25	713	697	706	---	---	---	569	566	567	628	623	625
26	718	693	710	691	670	682	574	565	570	628	625	626
27	720	673	702	690	682	685	574	570	572	627	624	625
28	709	699	705	693	674	682	591	571	582	629	617	626
29	714	691	707	686	670	679	592	588	590	636	621	632
30	709	685	700	---	---	---	593	590	591	632	628	630
31	---	---	---	---	---	---	595	591	593	---	---	---
MONTH	750	482	704	---	---	---	690	563	632	636	592	613

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.4	12.6	13.3	9.9	8.8	9.2	3.5	2.5	2.8	3.7	2.6	3.0
2	14.3	12.4	13.2	9.5	8.6	8.9	3.4	2.2	2.7	3.6	2.4	2.8
3	14.2	12.9	13.3	9.7	8.4	8.8	3.6	2.2	2.8	3.5	2.4	2.8
4	14.1	12.9	13.2	9.5	8.2	8.6	3.8	2.5	3.0	3.7	2.4	2.8
5	14.0	12.5	13.0	9.0	7.9	8.3	3.3	2.7	3.0	3.6	2.4	2.8
6	14.0	12.3	12.9	8.6	7.6	7.9	3.7	2.6	3.0	3.6	2.4	2.8
7	13.9	12.2	12.8	8.4	7.4	7.8	3.8	2.7	3.1	3.6	2.4	2.8
8	13.9	11.9	12.6	8.4	7.1	7.6	3.5	2.7	3.1	3.5	2.2	2.6
9	13.7	11.9	12.5	8.2	7.1	7.5	4.1	3.1	3.3	3.3	2.2	2.6
10	13.5	11.9	12.4	8.0	6.8	7.2	4.0	3.0	3.4	3.8	2.5	2.8
11	13.1	11.7	12.1	7.6	6.5	6.9	3.9	2.5	3.0	3.5	2.3	2.7
12	13.0	11.3	11.9	7.1	5.8	6.3	3.8	2.9	3.2	3.5	2.2	2.8
13	12.4	11.1	11.5	7.0	5.7	6.1	3.8	2.9	3.2	3.4	2.7	2.9
14	12.2	11.0	11.4	6.7	5.6	5.9	3.7	2.9	3.2	3.4	2.5	2.9
15	12.4	10.9	11.4	6.3	5.3	5.6	3.6	2.3	3.0	3.6	2.3	2.8
16	12.5	10.8	11.4	6.1	4.9	5.4	3.8	2.5	3.1	3.4	2.1	2.5
17	12.4	10.6	11.3	5.7	4.6	5.0	3.9	2.6	3.0	3.3	2.0	2.5
18	12.3	10.5	11.1	5.5	4.5	4.8	3.5	2.5	2.9	3.5	2.4	2.8
19	12.1	10.4	11.0	5.6	4.3	4.8	3.5	2.4	2.9	3.6	2.3	2.8
20	12.1	10.4	11.0	5.5	4.3	4.7	3.5	2.6	3.0	3.7	2.4	2.9
21	11.8	10.2	10.8	5.3	4.2	4.5	3.4	2.5	2.9	3.5	2.2	2.6
22	11.2	10.1	10.5	5.2	4.1	4.4	3.9	2.7	3.1	3.4	2.2	2.7
23	11.4	10.0	10.5	5.0	3.9	4.2	3.9	2.7	3.2	3.6	2.5	2.8
24	11.6	10.1	10.5	4.8	3.7	4.1	3.5	2.6	3.0	3.6	2.2	2.8
25	10.9	9.9	10.3	4.7	3.7	4.0	3.5	2.6	3.0	3.7	2.3	2.8
26	11.2	9.7	10.2	4.1	3.6	3.8	3.6	2.4	2.8	3.5	2.5	2.9
27	10.9	9.6	10.1	4.5	3.7	3.9	3.5	2.4	2.8	3.5	2.4	2.8
28	10.8	9.8	10.1	4.5	3.5	3.8	3.5	2.4	2.8	3.6	2.6	3.0
29	10.6	9.6	10.0	4.3	3.2	3.6	3.5	2.3	2.8	3.6	2.3	2.9
30	10.8	9.4	9.8	3.7	2.7	3.1	3.3	2.6	2.9	3.5	2.3	2.8
31	10.0	9.1	9.4	---	---	---	3.8	2.6	3.1	3.6	2.2	2.7
MONTH	14.4	9.1	11.5	9.9	2.7	5.9	4.1	2.2	3.0	3.8	2.0	2.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.7	2.4	2.8	3.9	2.9	3.3	5.0	3.4	3.9	8.0	5.7	6.6
2	3.8	2.5	3.0	4.1	2.8	3.2	5.1	3.5	4.1	7.3	5.5	6.7
3	3.6	2.9	3.1	4.1	2.5	3.1	5.2	3.4	4.1	7.4	6.9	7.0
4	4.1	3.0	3.3	4.4	2.5	3.2	4.4	3.6	4.0	7.7	6.6	7.1
5	4.1	2.6	3.2	4.1	2.6	3.2	4.4	3.7	4.0	8.3	7.4	7.7
6	3.9	3.0	3.3	4.4	2.9	3.4	4.5	4.0	4.1	7.9	7.2	7.6
7	4.1	2.9	3.4	4.6	2.8	3.4	4.9	3.7	4.1	8.5	7.0	7.8
8	3.9	2.3	3.0	4.7	2.8	3.5	5.0	4.0	4.4	8.5	7.4	7.9
9	3.7	2.1	2.7	4.2	2.9	3.4	5.0	3.8	4.2	8.2	7.3	7.6
10	3.9	2.4	2.9	4.2	3.0	3.4	4.8	4.1	4.2	8.2	7.1	7.7
11	3.7	2.5	3.0	3.9	2.9	3.2	4.7	4.0	4.2	8.8	7.8	8.2
12	---	---	---	4.2	2.8	3.4	4.4	3.9	4.1	8.5	7.2	7.7
13	---	---	---	4.7	2.9	3.5	4.6	3.9	4.1	8.8	7.0	7.7
14	---	---	---	3.5	2.6	3.0	4.5	3.8	4.1	8.4	7.2	7.8
15	---	---	---	4.6	2.6	3.3	4.8	3.8	4.2	8.0	7.2	7.6
16	---	---	---	4.4	2.9	3.4	5.1	3.7	4.3	10.0	7.3	8.4
17	4.0	2.3	2.9	4.7	2.9	3.5	5.1	3.8	4.3	7.8	7.3	7.5
18	3.7	2.4	3.0	6.0	2.9	3.4	5.3	3.6	4.2	9.1	7.3	8.3
19	4.6	2.9	3.4	4.4	2.8	3.4	6.5	3.8	4.5	8.7	7.4	7.7
20	4.3	2.7	3.2	5.0	3.0	3.7	5.7	3.7	4.4	10.3	7.3	8.2
21	4.5	3.0	3.4	4.7	3.2	3.6	4.7	3.5	4.1	10.3	7.5	8.1
22	4.3	2.8	3.4	5.1	3.1	3.7	5.0	4.1	4.6	8.9	6.8	7.8
23	4.1	2.8	3.2	4.3	3.0	3.4	5.4	4.5	4.9	8.9	6.6	7.8
24	3.9	2.8	3.2	5.2	2.9	3.6	5.3	4.8	5.0	8.5	6.8	7.8
25	4.5	2.7	3.2	4.4	3.1	3.6	5.6	4.9	5.3	8.7	7.0	7.8
26	3.8	2.5	3.1	4.3	3.4	3.7	5.6	4.9	5.2	8.6	7.1	7.8
27	4.0	2.9	3.2	4.1	3.2	3.5	5.5	4.9	5.2	8.7	7.3	7.8
28	4.3	3.0	3.4	4.0	3.1	3.4	5.4	4.8	5.1	8.6	7.4	8.0
29	---	---	---	4.1	3.3	3.6	6.2	4.8	5.2	8.5	7.2	8.0
30	---	---	---	4.5	3.3	3.6	8.5	5.0	6.6	8.9	7.4	8.1
31	---	---	---	4.7	3.1	3.7	---	---	---	8.2	7.1	7.7
MONTH	---	---	---	6.0	2.5	3.4	8.5	3.4	4.5	10.3	5.5	7.7

09041400 MUDDY CREEK BELOW WOLFORD MOUNTAIN RESERVOIR NEAR KREMMLING, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.5	6.8	7.5	8.0	7.0	7.4	9.2	8.3	8.8	16.6	15.7	16.2
2	8.1	6.7	7.4	7.9	6.9	7.4	9.4	8.4	8.9	16.7	15.6	16.1
3	8.2	7.0	7.6	8.0	7.3	7.6	9.9	8.6	9.2	16.6	15.7	16.1
4	9.5	7.5	8.5	8.4	7.2	7.7	9.5	8.8	9.1	16.6	15.8	16.2
5	8.0	6.3	7.3	8.4	7.2	7.9	10.2	8.7	9.3	16.9	15.6	16.2
6	14.2	7.6	11.2	8.0	7.4	7.8	10.0	8.7	9.1	16.3	14.1	15.6
7	13.8	6.5	9.9	---	---	---	11.4	8.8	9.7	16.4	15.5	15.9
8	7.2	6.1	6.6	8.5	7.5	8.0	11.1	8.9	9.6	16.2	15.1	15.7
9	7.1	6.2	6.6	8.4	7.6	8.0	11.1	8.8	9.6	15.3	13.8	14.8
10	7.6	6.2	6.8	9.0	8.1	8.5	10.9	8.9	9.5	15.4	14.7	15.1
11	7.3	6.1	6.6	8.8	8.0	8.3	10.4	8.7	9.3	15.4	14.8	15.2
12	7.7	6.3	6.7	9.1	7.8	8.3	10.9	8.7	9.6	15.5	14.7	15.1
13	8.0	6.2	6.7	9.0	7.6	8.3	9.5	8.5	9.0	15.5	15.0	15.1
14	6.9	6.1	6.6	8.8	8.0	8.3	9.6	8.6	9.1	15.4	14.6	14.9
15	7.4	6.1	6.8	9.1	7.9	8.5	9.8	8.5	9.1	15.7	14.6	15.2
16	7.5	6.3	6.9	9.3	7.6	8.4	9.7	8.5	9.1	15.4	14.6	14.9
17	7.7	6.3	6.9	8.9	7.6	8.3	9.7	8.6	9.1	15.1	14.4	14.6
18	7.6	6.6	7.0	9.1	7.9	8.6	9.6	8.4	9.1	15.1	14.4	14.7
19	7.9	6.6	7.1	10.1	7.9	8.9	9.6	8.6	9.2	15.3	14.3	14.7
20	7.9	6.4	7.1	9.9	8.3	9.0	18.4	8.8	13.6	15.2	14.2	14.7
21	8.2	6.5	7.3	10.1	8.5	9.0	18.4	15.7	17.5	15.4	14.3	14.8
22	8.0	6.5	7.2	10.1	8.3	8.9	16.5	15.2	15.9	15.2	14.2	14.7
23	7.8	6.6	7.2	10.5	8.2	9.0	16.3	15.8	16.0	15.3	14.2	14.7
24	8.0	6.9	7.4	10.2	8.2	8.9	16.3	15.7	16.0	15.2	14.1	14.6
25	8.2	7.1	7.5	---	---	---	16.5	15.6	16.1	15.1	14.0	14.5
26	8.1	6.9	7.4	9.8	8.6	9.0	16.5	15.9	16.3	14.9	13.9	14.4
27	8.1	7.3	7.7	---	---	---	16.6	15.6	16.1	15.1	14.1	14.5
28	8.3	7.0	7.6	9.9	7.9	8.8	16.4	15.2	16.1	15.1	14.2	14.5
29	8.3	6.9	7.5	9.9	8.3	8.9	16.5	15.2	16.0	14.7	13.9	14.3
30	8.3	7.1	7.5	---	---	---	16.3	15.7	16.0	14.9	13.8	14.3
31	---	---	---	---	---	---	16.3	15.6	16.0	---	---	---
MONTH	14.2	6.1	7.4	---	---	---	18.4	8.3	11.8	16.9	13.8	15.1

09041900 MONTE CRISTO DIVERSION NEAR HOOSIER PASS, CO

LOCATION.--Lat 39°22'51", long 106°04'15", in NE$^1/_4$SE$^1/_4$ 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$^1/_4$NE$^1/_4$ 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, Aug. 12-14, 1980, and Sept. 29, 1994; no flow for most of each year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e5.4	9.1	e.00	e.00	e.00
2	---	---	---	---	---	---	---	e4.0	8.6	e.00	e.00	e.00
3	---	---	---	---	---	---	---	e2.0	8.1	e.00	e.00	e.00
4	---	---	---	---	---	---	---	e1.1	6.6	e.00	e.00	e.00
5	---	---	---	---	---	---	---	e.00	5.0	e.00	e.00	e.00
6	---	---	---	---	---	---	---	e.00	5.0	e.00	e.00	e.00
7	---	---	---	---	---	---	---	e.60	6.0	e.00	e.00	e.00
8	---	---	---	---	---	---	---	e1.1	e2.9	e.00	e.00	e.00
9	---	---	---	---	---	---	---	2.9	e.00	e.00	4.0	e.00
10	---	---	---	---	---	---	---	4.1	e.00	e.00	10	e.00
11	---	---	---	---	---	---	---	5.8	e.00	e.00	3.4	e.00
12	---	---	---	---	---	---	---	8.1	e.00	e.00	e.00	e.00
13	---	---	---	---	---	---	---	11	e.00	e.00	e.00	e.00
14	---	---	---	---	---	---	---	14	e.00	e.00	e.00	e7.5
15	---	---	---	---	---	---	---	13	e.00	e.00	e.00	13
16	---	---	---	---	---	---	---	12	e.00	e.00	e.00	19
17	---	---	---	---	---	---	---	9.6	e.00	11	e.00	23
18	---	---	---	---	---	---	---	8.6	e.00	6.6	e.00	22
19	---	---	---	---	---	---	---	9.1	e.00	e.00	e.00	28
20	---	---	---	---	---	---	---	8.7	e.00	e.00	e.00	35
21	---	---	---	---	---	---	---	6.9	e.00	e.00	e.00	35
22	---	---	---	---	---	---	---	4.6	e.00	e.00	e.00	36
23	---	---	---	---	---	---	---	5.9	e.00	e.00	e.00	36
24	---	---	---	---	---	---	---	11	e.00	e.00	e.00	35
25	---	---	---	---	---	---	---	13	e.00	e.00	e.00	35
26	---	---	---	---	---	---	---	14	e.00	e.00	e.00	35
27	---	---	---	---	---	---	---	14	e.00	e.00	e.00	35
28	---	---	---	---	---	---	---	14	e.00	e.00	e.00	35
29	---	---	---	---	---	---	---	14	e.00	e.00	e.00	34
30	---	---	---	---	---	---	---	14	e.00	e.00	e.00	34
31	---	---	---	---	---	---	---	13	---	e.00	e.00	---
TOTAL	---	---	---	---	---	---	---	245.50	51.30	17.60	17.40	497.50
MEAN	---	---	---	---	---	---	---	7.92	1.71	.57	.56	16.6
MAX	---	---	---	---	---	---	---	14	9.1	11	10	36
MIN	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	---	487	102	35	35	987

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e1.6	18	4.8	2.5	1.4
2	---	---	---	---	---	---	---	e2.3	20	4.5	2.5	1.4
3	---	---	---	---	---	---	---	e1.5	20	4.4	2.3	1.4
4	---	---	---	---	---	---	---	e1.5	18	4.2	2.2	e.50
5	---	---	---	---	---	---	---	e1.4	15	4.0	2.1	e.00
6	---	---	---	---	---	---	---	e1.0	16	3.9	2.2	e.00
7	---	---	---	---	---	---	---	e1.3	18	3.8	2.2	e.00
8	---	---	---	---	---	---	---	e1.5	15	4.4	2.0	e.00
9	---	---	---	---	---	---	---	2.1	e5.9	5.3	2.3	e.00
10	---	---	---	---	---	---	---	2.3	e.00	5.1	2.8	e.00
11	---	---	---	---	---	---	---	3.0	e.00	4.7	2.3	e.00
12	---	---	---	---	---	---	---	4.0	e.00	4.7	1.9	e.00
13	---	---	---	---	---	---	---	5.0	e4.5	4.7	1.8	e.00
14	---	---	---	---	---	---	---	6.7	8.0	4.4	2.1	e.00
15	---	---	---	---	---	---	---	7.3	7.3	4.3	2.0	e.00
16	---	---	---	---	---	---	---	7.9	6.6	4.0	1.8	e.00
17	---	---	---	---	---	---	---	7.1	6.5	4.6	1.7	e.00
18	---	---	---	---	---	---	---	7.8	6.4	4.1	1.7	e.00
19	---	---	---	---	---	---	---	8.0	6.7	3.4	1.7	e.00
20	---	---	---	---	---	---	---	9.0	6.4	3.3	1.7	e.00
21	---	---	---	---	---	---	---	7.8	6.2	e1.3	1.7	e.00
22	---	---	---	---	---	---	---	6.7	6.0	e.00	1.9	e.00
23	---	---	---	---	---	---	---	7.9	5.7	e1.1	1.9	e.00
24	---	---	---	---	---	---	---	9.7	5.6	2.8	1.7	e.00
25	---	---	---	---	---	---	---	11	5.5	2.6	1.6	e.00
26	---	---	---	---	---	---	---	13	5.7	2.7	1.6	e.00
27	---	---	---	---	---	---	---	15	5.6	2.6	1.5	e.00
28	---	---	---	---	---	---	---	16	5.3	2.4	1.5	e.00
29	---	---	---	---	---	---	---	15	5.1	2.3	1.5	e.00
30	---	---	---	---	---	---	---	15	5.0	2.3	1.4	e.00
31	---	---	---	---	---	---	---	16	---	2.2	1.4	---
TOTAL	---	---	---	---	---	---	---	215.4	254.00	108.90	59.5	4.70
MEAN	---	---	---	---	---	---	---	6.95	8.47	3.51	1.92	.16
MAX	---	---	---	---	---	---	---	16	20	5.3	2.8	1.4
MIN	---	---	---	---	---	---	---	1.0	.00	.00	1.4	.00
AC-FT	---	---	---	---	---	---	---	427	504	216	118	9.3

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e.00	59	e.00	e.00	---
2	---	---	---	---	---	---	---	e1.9	69	e.00	e.00	---
3	---	---	---	---	---	---	---	e2.3	64	e.00	e.00	---
4	---	---	---	---	---	---	---	e1.4	49	e.00	e.00	---
5	---	---	---	---	---	---	---	e.60	39	e.00	e.00	---
6	---	---	---	---	---	---	---	e1.0	52	e.00	e.00	---
7	---	---	---	---	---	---	---	e.90	70	e.00	e.00	---
8	---	---	---	---	---	---	---	e1.4	e30	e.00	e.00	---
9	---	---	---	---	---	---	---	3.2	e.00	e.00	5.6	.00
10	---	---	---	---	---	---	---	3.8	e.00	e.00	15	.00
11	---	---	---	---	---	---	---	5.5	e.00	e.00	6.3	---
12	---	---	---	---	---	---	---	11	e.00	e.00	e.00	---
13	---	---	---	---	---	---	---	19	e.00	e.00	e.00	---
14	---	---	---	---	---	---	---	32	e.00	e.00	e.00	---
15	---	---	---	---	---	---	---	35	e.00	e.00	e.00	---
16	---	---	---	---	---	---	---	38	e.00	e.00	e.00	---
17	---	---	---	---	---	---	---	31	e.00	12	e.00	---
18	---	---	---	---	---	---	---	23	e.00	9.8	e.00	---
19	---	---	---	---	---	---	---	25	e.00	e.00	e.00	---
20	---	---	---	---	---	---	---	28	e.00	e.00	e.00	---
21	---	---	---	---	---	---	---	25	e.00	e.00	e.00	---
22	---	---	---	---	---	---	---	18	e.00	e.00	e.00	---
23	---	---	---	---	---	---	---	19	e.00	e.00	e.00	---
24	---	---	---	---	---	---	---	30	e.00	e.00	e.00	---
25	---	---	---	---	---	---	---	34	e.00	e.00	e.00	---
26	---	---	---	---	---	---	---	39	e.00	e.00	e.00	---
27	---	---	---	---	---	---	---	45	e.00	e.00	e.00	---
28	---	---	---	---	---	---	---	50	e.00	e.00	e.00	---
29	---	---	---	---	---	---	---	50	e.00	e.00	e.00	---
30	---	---	---	---	---	---	---	47	e.00	e.00	e.00	---
31	---	---	---	---	---	---	---	51	---	e.00	e.00	---
TOTAL	---	---	---	---	---	---	---	672.00	432.00	21.80	26.90	---
MEAN	---	---	---	---	---	---	---	21.7	14.4	.70	.87	---
MAX	---	---	---	---	---	---	---	51	70	12	15	---
MIN	---	---	---	---	---	---	---	.00	.00	.00	.00	---
AC-FT	---	---	---	---	---	---	---	1330	857	43	53	---

e Estimated.

09046490 BLUE RIVER AT BLUE RIVER, CO

LOCATION.--Lat 39°27'21", long 106°01'52", in NE$^1/_4$SE$^1/_4$ 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.--Records good except for estimated daily discharges, which are poor. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	e11	13	4.4	3.0	2.7	3.8	52	111	95	46	e26
2	19	11	12	4.8	3.1	2.7	4.6	52	119	88	51	23
3	18	10	11	4.9	3.2	2.7	5.0	30	122	89	49	21
4	18	e10	12	4.9	3.2	2.7	e5.4	24	114	94	48	20
5	19	14	13	4.8	3.2	2.6	5.9	23	100	92	47	20
6	18	e15	13	4.9	3.2	2.6	e5.6	21	94	94	47	22
7	17	e14	11	5.0	3.2	2.6	e5.3	21	95	95	60	27
8	16	e14	9.7	5.2	3.2	2.6	e5.2	22	113	100	55	31
9	16	e15	9.5	4.9	3.2	2.6	e5.2	27	174	109	46	29
10	16	13	9.7	4.3	3.2	2.6	5.4	30	156	135	25	29
11	15	12	9.8	4.4	3.2	2.6	6.2	36	164	151	21	24
12	15	12	9.5	4.2	3.2	2.6	5.0	44	161	166	30	22
13	14	12	9.2	3.9	3.1	2.7	4.9	54	142	174	30	23
14	13	12	9.1	3.9	2.8	2.6	4.7	62	116	154	35	40
15	13	11	9.0	4.1	2.8	2.5	4.7	75	96	132	41	35
16	13	13	7.1	4.3	2.8	2.5	5.2	81	86	118	38	30
17	13	14	5.6	4.4	2.8	2.5	6.3	85	89	87	33	30
18	13	11	5.4	3.4	2.9	2.6	9.1	81	98	43	29	31
19	13	12	5.2	3.2	2.8	2.6	13	82	104	66	27	28
20	13	14	4.9	3.2	2.9	2.6	16	83	108	66	27	27
21	12	e13	4.9	3.1	2.9	e2.6	12	85	102	64	31	24
22	12	e13	4.6	3.2	2.8	2.6	14	72	108	67	31	22
23	12	13	4.6	3.1	2.7	2.6	9.1	69	107	61	38	21
24	14	12	4.6	3.2	2.7	2.7	8.6	74	102	59	31	20
25	13	12	4.6	3.2	2.7	e3.3	11	81	113	63	27	20
26	12	12	4.5	3.2	2.6	3.4	16	87	119	59	26	19
27	11	12	4.3	3.1	2.6	4.0	24	98	131	63	24	18
28	12	12	4.1	3.0	2.7	3.9	34	107	112	52	23	18
29	15	13	4.1	3.0	---	3.9	45	109	101	46	23	18
30	12	13	4.1	3.1	---	3.9	46	110	99	42	22	17
31	12	---	4.1	3.0	---	e4.0	---	110	---	41	e23	---
TOTAL	450	375	237.2	121.3	82.7	89.1	346.2	1987	3456	2765	1084	735
MEAN	14.5	12.5	7.65	3.91	2.95	2.87	11.5	64.1	115	89.2	35.0	24.5
MAX	21	15	13	5.2	3.2	4.0	46	110	174	174	60	40
MIN	11	10	4.1	3.0	2.6	2.5	3.8	21	86	41	21	17
AC-FT	893	744	470	241	164	177	687	3940	6850	5480	2150	1460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

MEAN	19.2	13.2	9.84	6.94	5.51	5.26	11.3	61.8	124	88.2	45.4	26.7
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	3.91	2.95	2.87	5.53	26.0	56.1	23.0	18.0	14.2
(WY)	1992	1992	1995	2001	2001	2001	1993	1995	2000	1991	1986	1986

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1984 - 2001	
ANNUAL TOTAL	9271.6		11728.5			
ANNUAL MEAN	25.3		32.1		34.9	
HIGHEST ANNUAL MEAN					70.4	1995
LOWEST ANNUAL MEAN					20.5	1990
HIGHEST DAILY MEAN	126	May 30	174	Jun 9	578	Jul 12 1995
LOWEST DAILY MEAN	3.0	Apr 16	2.5	Mar 15	2.5	Mar 15 2001
ANNUAL SEVEN-DAY MINIMUM	3.2	Apr 11	2.6	Mar 14	2.6	Mar 14 2001
MAXIMUM PEAK FLOW			198	Jul 13	681	Jun 18 1995
MAXIMUM PEAK STAGE			2.03	Jul 13	3.23	Jun 18 1995
ANNUAL RUNOFF (AC-FT)	18390		23260		25300	
10 PERCENT EXCEEDS	60		99		89	
50 PERCENT EXCEEDS	14		13		15	
90 PERCENT EXCEEDS	4.1		2.9		5.0	

e Estimated.

09046530 FRENCH GULCH AT BRECKENRIDGE, CO

LOCATION.--Lat. 39°29'35", long. 106°02'39", in $SE^1/_4SW^1/_4$, 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	3.3	2.4	2.4	1.6	1.6	1.6	9.2	44	21	11	6.1
2	3.9	3.3	2.5	2.3	1.6	1.6	1.9	11	50	20	10	5.6
3	3.8	3.2	2.4	2.3	1.6	1.6	2.2	9.2	54	19	9.7	5.4
4	3.8	3.0	2.3	2.3	1.6	1.7	2.4	8.2	51	18	9.3	5.3
5	4.3	3.1	2.2	2.3	e1.5	1.7	2.5	7.6	43	18	9.1	5.1
6	4.3	3.0	2.2	2.3	1.5	1.8	2.5	6.9	41	18	9.1	5.2
7	4.4	2.8	2.2	2.3	1.5	1.9	2.4	6.7	45	18	9.2	5.6
8	4.3	2.7	2.3	2.3	1.5	2.0	2.5	6.9	46	21	8.7	6.2
9	4.2	2.6	2.3	2.3	e1.4	2.2	2.5	7.4	47	30	8.6	6.3
10	4.1	2.7	2.2	2.3	e1.6	2.1	2.6	8.2	44	25	8.4	6.4
11	4.1	2.7	2.1	2.2	1.6	2.0	2.5	9.6	43	26	8.3	6.0
12	4.0	2.8	e2.2	2.2	e1.6	2.1	2.5	12	42	33	7.7	5.7
13	3.9	2.5	2.3	2.2	e1.6	2.1	2.4	16	39	31	7.3	5.9
14	3.9	2.4	2.3	2.1	1.6	2.3	2.3	19	33	30	7.9	8.2
15	3.8	2.7	e2.2	e2.1	1.6	2.3	2.4	24	29	26	8.0	7.4
16	3.7	2.7	e2.3	2.1	e1.6	2.3	2.7	29	26	23	7.3	7.0
17	3.7	2.6	2.5	e2.0	e1.6	1.8	3.2	30	25	21	6.9	7.4
18	3.6	2.6	2.4	2.0	e1.6	1.8	3.8	29	26	19	6.6	7.2
19	3.5	2.5	2.4	2.0	1.6	1.8	4.5	30	26	17	6.4	6.9
20	3.4	2.5	2.4	1.9	e1.6	1.6	4.5	30	27	16	6.4	6.5
21	3.4	2.5	e2.4	1.9	1.6	1.7	4.0	29	26	16	6.7	6.1
22	3.4	2.4	e2.4	1.9	1.6	1.9	3.8	24	26	15	6.6	5.9
23	3.4	2.4	e2.4	1.8	1.6	1.6	3.7	23	25	14	6.7	5.7
24	3.5	2.4	e2.4	1.7	1.5	1.5	3.7	25	25	13	6.1	5.5
25	3.5	2.4	e2.4	1.7	1.5	1.5	4.0	28	25	13	5.9	5.2
26	3.3	2.4	2.4	1.7	1.5	1.6	4.8	30	25	13	5.8	5.1
27	3.3	2.4	2.4	1.7	1.6	1.5	5.7	34	27	13	5.7	5.0
28	3.4	2.4	2.4	1.7	1.6	1.5	6.6	37	24	12	5.5	4.9
29	3.5	2.4	2.4	1.7	---	1.6	7.4	39	23	11	5.4	4.7
30	3.4	2.5	2.4	1.7	---	1.5	8.2	40	22	11	5.4	4.6
31	3.4	---	2.4	e1.6	---	1.6	---	42	---	10	5.6	---
TOTAL	116.2	79.9	72.5	63.0	43.9	55.8	105.8	660.9	1029	591	231.3	178.1
MEAN	3.75	2.66	2.34	2.03	1.57	1.80	3.53	21.3	34.3	19.1	7.46	5.94
MAX	4.4	3.3	2.5	2.4	1.6	2.3	8.2	42	54	33	11	8.2
MIN	3.3	2.4	2.1	1.6	1.4	1.5	1.6	6.7	22	10	5.4	4.6
AC-FT	230	158	144	125	87	111	210	1310	2040	1170	459	353

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

MEAN	4.71	3.21	2.47	1.92	1.81	1.92	3.39	21.9	47.3	19.3	9.45	6.15
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	3.75	2.66	2.28	1.69	1.57	1.77	2.48	10.8	22.0	10.4	6.19	4.91
(WY)	2001	2001	2000	2000	2001	2000	1998	1998	1998	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1996 - 2001	
ANNUAL TOTAL	2907.9		3227.4			
ANNUAL MEAN	7.95		8.84		10.3	
HIGHEST ANNUAL MEAN					13.0	1997
LOWEST ANNUAL MEAN					7.23	1998
HIGHEST DAILY MEAN	70	May 30	54	Jun 3	115	Jun 5 1997
LOWEST DAILY MEAN	e1.5	Jan 23	e1.4	Feb 9	e1.3	Mar 7 1997
ANNUAL SEVEN-DAY MINIMUM	e1.6	Jan 28	1.5	Feb 3	1.4	Mar 2 1997
MAXIMUM PEAK FLOW			58	Jun 3	124	Jun 5 1997
MAXIMUM PEAK STAGE			6.50	Jun 3	7.09	Jun 5 1997
ANNUAL RUNOFF (AC-FT)	5770		6400		7470	
10 PERCENT EXCEEDS	18		26		26	
50 PERCENT EXCEEDS	3.8		3.7		4.1	
90 PERCENT EXCEEDS	1.6		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	35	e29	e26	e22	e18	e22	152	364	225	115	63
2	52	34	e29	e26	e22	e18	e22	171	385	215	118	63
3	50	33	e29	e26	e22	e18	e22	162	405	205	120	63
4	49	32	e29	e26	e22	e18	e22	130	402	204	119	63
5	48	31	e29	e26	e22	e19	e22	115	355	202	116	61
6	48	31	e30	e25	e22	e19	e22	109	332	199	115	61
7	48	31	e30	e25	e21	e19	e22	103	336	207	120	62
8	46	31	e30	e25	e21	e19	e22	99	342	212	121	69
9	45	30	e30	e24	e21	e19	e22	99	395	244	118	77
10	44	e30	e30	e24	e21	e19	e22	109	401	245	105	77
11	44	e30	e30	e24	e21	e19	e22	126	393	267	91	76
12	43	e30	e30	e23	e21	e19	e22	149	396	293	84	72
13	42	e30	e30	e23	e21	e19	e22	179	373	319	83	69
14	41	e30	e30	e23	e21	e19	e21	227	337	310	84	69
15	39	e30	e30	e23	e21	e20	e25	271	297	277	91	80
16	38	e30	e30	e22	e20	e20	e32	309	266	253	95	82
17	37	e31	e30	e23	e20	e20	37	326	246	217	92	81
18	36	e30	e30	e22	e20	e20	43	324	247	173	87	81
19	36	e29	e29	e22	e20	e20	51	322	250	163	82	80
20	36	e30	e29	e22	e20	e20	58	317	257	163	79	77
21	36	e30	e29	e22	e20	e20	59	326	254	160	78	73
22	36	e29	e28	e22	e19	e20	58	295	250	158	79	69
23	35	e29	e28	e22	e19	e20	55	268	251	152	84	67
24	34	e29	e28	e22	e19	e20	52	259	251	147	85	63
25	35	e29	e28	e22	e19	e21	52	272	255	146	82	62
26	35	e29	e27	e22	e19	e21	55	289	264	146	78	61
27	34	e29	e26	e22	e19	e21	63	310	278	147	75	60
28	35	e29	e26	e22	e18	e21	79	332	266	140	70	58
29	35	e29	e26	e22	---	e21	109	359	246	129	67	55
30	36	e29	e26	e22	---	e21	135	357	233	120	66	53
31	35	---	e26	e22	---	e21	---	359	---	115	63	---
TOTAL	1261	909	891	722	573	609	1270	7225	9327	6153	2862	2047
MEAN	40.7	30.3	28.7	23.3	20.5	19.6	42.3	233	311	198	92.3	68.2
MAX	53	35	30	26	22	21	135	359	405	319	121	82
MIN	34	29	26	22	18	18	21	99	233	115	63	53
AC-FT	2500	1800	1770	1430	1140	1210	2520	14330	18500	12200	5680	4060

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2001, BY WATER YEAR (WY)

MEAN	51.9	38.7	31.3	26.3	24.2	23.7	40.2	180	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1958 - 2001	
ANNUAL TOTAL	30061		33849			
ANNUAL MEAN	82.1		92.7		a108	
HIGHEST ANNUAL MEAN					168	1984
LOWEST ANNUAL MEAN					45.8	1963
HIGHEST DAILY MEAN	468	May 31	405	Jun 3	b1160	Jun 26 1983
LOWEST DAILY MEAN	e19	Feb 20	e18	Feb 28	c16	Feb 12 1993
ANNUAL SEVEN-DAY MINIMUM	e21	Feb 15	e18	Feb 26	16	Mar 3 1995
MAXIMUM PEAK FLOW			415	Jun 9	1390	Jun 18 1995
MAXIMUM PEAK STAGE			5.92	Jun 9	6.91	Jun 18 1995
ANNUAL RUNOFF (AC-FT)	59630		67140		a78250	
10 PERCENT EXCEEDS	208		267		248	
50 PERCENT EXCEEDS	44		37		45	
90 PERCENT EXCEEDS	24		20		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	21	e20	e18	e16	e12	e11	61	344	144	72	35
2	29	22	e20	e17	e15	e12	e11	65	384	137	73	34
3	28	23	e20	e17	e15	e12	e11	46	366	128	62	33
4	29	e24	e20	e17	e15	e12	e11	39	317	123	58	32
5	32	e23	e20	e17	e15	e12	e12	36	286	120	58	31
6	29	e23	e20	e17	e15	e12	e12	33	302	125	56	35
7	27	e23	e20	e17	e15	e12	e12	34	328	133	55	39
8	27	e23	e20	e17	e15	e12	e12	42	329	149	57	40
9	28	e22	e20	e17	e15	e12	e12	55	309	143	56	42
10	28	e22	e20	e17	e15	e12	e12	60	286	140	54	41
11	28	e22	e20	e17	e14	e12	e13	77	286	146	53	37
12	27	e22	e19	e17	e14	e12	e13	110	274	149	49	34
13	27	e21	e19	e17	e14	e12	e13	146	258	176	48	37
14	26	e21	e19	e17	e14	e11	e13	184	222	200	62	45
15	25	e21	e19	e16	e14	e11	e14	227	207	174	65	38
16	25	e21	e19	e16	e14	e11	e16	239	190	148	57	36
17	25	e20	e19	e16	e14	e11	e18	227	188	130	53	43
18	24	e20	e19	e16	e13	e11	e20	214	190	119	50	40
19	24	e20	e19	e17	e13	e10	e22	220	195	115	48	38
20	24	e20	e19	e17	e13	e10	20	230	195	112	48	36
21	23	e20	e19	e17	e13	e10	17	210	189	105	48	34
22	22	e20	e19	e17	e13	e10	16	180	187	97	47	33
23	23	e20	e18	e17	e13	e10	15	201	177	92	47	32
24	24	e20	e18	e16	e13	e10	16	229	178	90	42	31
25	24	e20	e18	e16	e13	e10	20	240	185	86	41	31
26	23	e20	e18	e16	e12	e10	25	266	187	89	40	30
27	23	e20	e18	e16	e12	e10	30	300	183	83	37	30
28	24	e20	e18	e16	e12	e10	35	303	167	74	37	30
29	24	e20	e18	e16	---	e10	43	299	157	69	36	29
30	22	e20	e18	e16	---	e10	49	294	152	66	36	29
31	23	---	e18	e16	---	e11	---	304	---	67	36	---
TOTAL	798	634	591	516	389	342	544	5171	7218	3729	1581	1055
MEAN	25.7	21.1	19.1	16.6	13.9	11.0	18.1	167	241	120	51.0	35.2
MAX	32	24	20	18	16	12	49	304	384	200	73	45
MIN	22	20	18	16	12	10	11	33	152	66	36	29
AC-FT	1580	1260	1170	1020	772	678	1080	10260	14320	7400	3140	2090

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2001, BY WATER YEAR (WY)

MEAN	27.6	19.8	15.5	12.2	10.8	10.7	18.1	101	286	147	66.5	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1943 - 2001	
ANNUAL TOTAL	20638		22568			
ANNUAL MEAN	56.4		61.8		62.9	
HIGHEST ANNUAL MEAN					95.8	1997
LOWEST ANNUAL MEAN					35.1	1954
HIGHEST DAILY MEAN	443	May 30	384	Jun 2	870	Jun 22 1995
LOWEST DAILY MEAN	11	Jan 28	e10	Mar 19	5.0	Feb 26 1964
ANNUAL SEVEN-DAY MINIMUM	11	Jan 28	e10	Mar 19	6.0	Jan 9 1963
MAXIMUM PEAK FLOW			456	Jun 2	1250	Jun 10 1952
MAXIMUM PEAK STAGE			2.70	Jun 2	a3.51	Jun 10 1952
ANNUAL RUNOFF (AC-FT)	40940		44760		45560	
10 PERCENT EXCEEDS	147		189		177	
50 PERCENT EXCEEDS	24		24		23	
90 PERCENT EXCEEDS	11		12		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	e3.0	e3.0	e2.7	e2.1	e1.9	e2.4	10	30	7.5	5.7	3.3
2	2.6	e3.0	e3.0	e2.7	e2.1	e1.9	e2.4	10	32	7.5	5.7	3.0
3	2.6	e3.0	e3.0	e2.7	e2.1	e1.9	e2.7	7.5	33	7.3	5.2	2.9
4	2.7	e3.0	e3.0	e2.7	e2.1	e1.9	e3.0	6.2	28	7.0	5.0	2.9
5	3.1	e3.0	e3.0	e2.7	e2.1	e1.9	e3.0	5.6	26	6.8	4.9	2.8
6	2.9	e3.0	e3.0	e2.7	e2.1	e1.9	e3.0	5.1	26	7.1	4.8	3.1
7	2.8	e3.0	e3.0	e2.7	e2.1	e1.9	e3.0	5.2	26	7.4	4.7	3.5
8	2.7	e3.0	e3.0	e2.6	e2.0	e1.9	e3.0	7.1	25	11	4.7	4.1
9	2.7	e3.0	e3.0	e2.5	e2.0	e1.9	e3.0	8.7	23	9.3	4.7	4.0
10	2.9	e3.0	e3.0	e2.5	e2.0	e1.9	e3.0	9.6	22	8.7	4.6	4.0
11	2.9	e3.0	e3.0	e2.5	e2.0	e1.9	e3.0	12	21	8.6	4.5	3.6
12	2.7	e3.0	e3.0	e2.5	e2.0	e1.9	e3.0	15	20	9.5	4.1	3.2
13	2.7	e3.0	e3.0	e2.5	e2.0	e1.9	e3.0	16	20	9.8	4.2	3.8
14	2.7	e3.0	e3.0	e2.5	e2.0	e1.9	e3.0	20	19	8.8	5.4	4.5
15	2.7	e3.0	e3.0	e2.5	e2.0	e1.9	e3.0	24	19	8.0	5.6	3.5
16	2.6	e3.0	e3.0	e2.5	e1.8	e1.9	e3.1	25	16	7.3	4.8	3.2
17	2.7	e3.0	e3.0	e2.5	e1.9	e1.9	e3.2	25	15	6.7	4.3	4.0
18	2.8	e3.0	e3.0	e2.5	e1.9	e1.9	e3.3	26	14	6.5	4.0	3.5
19	2.8	e3.0	e3.0	e2.5	e1.9	e1.9	e3.4	27	14	6.4	3.9	3.1
20	2.9	e3.0	e3.0	e2.5	e1.9	e1.9	3.6	27	13	6.6	4.1	2.9
21	2.8	e3.0	e3.0	e2.5	e1.9	e1.9	2.3	25	12	6.4	4.0	2.8
22	2.6	e3.0	e3.0	e2.5	e1.9	e2.0	e2.5	23	11	6.1	3.8	2.7
23	2.9	e3.0	e3.0	e2.5	e1.9	e2.0	e2.5	25	11	5.8	3.9	2.6
24	3.1	e3.0	e3.0	e2.5	e1.9	e2.0	e2.6	25	11	5.9	3.5	2.6
25	3.1	e3.0	e3.0	e2.5	e1.9	e2.2	3.1	25	10	5.8	3.5	2.5
26	2.7	e3.0	e2.9	e2.3	e1.9	e2.3	4.1	27	11	6.4	3.4	2.7
27	3.0	e3.0	e2.8	e2.3	e1.9	e2.3	5.2	28	10	6.0	3.2	3.2
28	3.0	e3.0	e2.8	e2.3	e1.9	e2.3	6.0	25	9.0	5.5	3.1	2.9
29	2.9	e3.0	e2.7	e2.3	---	e2.3	6.8	26	8.4	5.3	3.1	2.4
30	2.6	e3.0	e2.7	e2.3	---	e2.3	7.9	26	8.0	5.2	3.3	2.4
31	2.7	---	e2.7	e2.1	---	e2.3	---	27	---	5.4	3.6	---
TOTAL	86.7	90.0	91.6	77.6	55.3	61.9	103.1	574.0	543.4	221.6	133.3	95.7
MEAN	2.80	3.00	2.95	2.50	1.98	2.00	3.44	18.5	18.1	7.15	4.30	3.19
MAX	3.1	3.0	3.0	2.7	2.1	2.3	7.9	28	33	11	5.7	4.5
MIN	2.6	3.0	2.7	2.1	1.8	1.9	2.3	5.1	8.0	5.2	3.1	2.4
AC-FT	172	179	182	154	110	123	204	1140	1080	440	264	190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2001, BY WATER YEAR (WY)

MEAN	3.37	3.01	2.57	2.24	2.08	2.10	3.14	13.1	24.7	10.2	5.31	3.77
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1958 - 2001	
ANNUAL TOTAL	2268.1		2134.2			
ANNUAL MEAN	6.20		5.85		6.30	
HIGHEST ANNUAL MEAN					13.1	1984
LOWEST ANNUAL MEAN					3.10	1963
HIGHEST DAILY MEAN	41	May 29	33	Jun 3	153	Jun 18 1995
LOWEST DAILY MEAN	2.3	Sep 15	e1.8	Feb 16	1.1	Feb 26 1964
ANNUAL SEVEN-DAY MINIMUM	2.5	Sep 11	e1.9	Feb 16	1.3	Nov 28 1963
MAXIMUM PEAK FLOW			43	Jun 2	a311	Jun 17 1995
MAXIMUM PEAK STAGE			2.59	Jun 2	3.47	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	4500		4230		4570	
10 PERCENT EXCEEDS	18		15		15	
50 PERCENT EXCEEDS	3.0		3.0		3.1	
90 PERCENT EXCEEDS	2.5		2.0		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	28	e25	e23	e23	e23	e32	167	570	175	84	52
2	41	29	e24	e23	e23	e23	e32	186	602	163	88	49
3	39	29	e24	e23	e23	e23	e32	155	574	155	84	45
4	41	29	e24	e23	e23	e23	e32	127	487	150	87	42
5	46	e28	e24	e23	e23	e24	e33	112	420	143	80	41
6	45	e27	e24	e23	e23	e25	e33	104	440	141	89	45
7	41	e27	e24	e23	e23	e25	33	101	474	137	111	53
8	39	e27	e24	e23	e23	e26	32	113	474	134	113	55
9	38	e27	e24	e23	e23	e26	31	142	445	140	117	54
10	37	e27	e24	e23	e23	e26	32	170	425	160	100	54
11	37	e27	e24	e23	e23	e27	32	222	426	163	90	49
12	35	e27	e24	e23	e23	e27	32	276	394	153	82	43
13	33	e26	e24	e23	e23	e27	31	329	359	163	78	42
14	33	e26	e24	e23	e23	e27	30	379	295	167	87	56
15	31	e26	e24	e23	e23	e27	32	447	279	163	93	49
16	31	e26	e24	e23	e23	e28	32	461	265	146	84	45
17	31	e26	e23	e23	e23	e29	35	449	260	128	78	52
18	30	e26	e23	e22	e23	e30	48	439	262	119	73	53
19	29	e26	e23	e23	e23	e30	57	448	253	113	69	48
20	29	e26	e23	e23	e23	e30	55	461	248	107	68	44
21	29	e26	e23	e23	e23	e31	48	422	237	102	71	41
22	29	e26	e23	e23	e23	e32	49	334	234	98	68	38
23	30	e26	e23	e23	e23	e32	44	360	217	93	71	37
24	32	e26	e23	e23	e23	e32	43	420	216	93	67	36
25	30	e26	e23	e23	e23	e32	52	449	222	91	66	34
26	27	e26	e23	e23	e23	e32	61	490	231	97	64	37
27	e29	e26	e23	e23	e23	e32	78	545	255	96	61	36
28	e30	e26	e23	e23	e23	e32	93	563	211	87	60	35
29	e32	e26	e23	e23	---	e32	105	528	200	81	58	34
30	e27	e26	e23	e23	---	e32	126	521	193	79	54	33
31	28	---	e23	e23	---	e32	---	531	---	79	54	---
TOTAL	1052	800	730	712	644	877	1405	10451	10168	3916	2449	1332
MEAN	33.9	26.7	23.5	23.0	23.0	28.3	46.8	337	339	126	79.0	44.4
MAX	46	29	25	23	23	32	126	563	602	175	117	56
MIN	27	26	23	22	23	23	30	101	193	79	54	33
AC-FT	2090	1590	1450	1410	1280	1740	2790	20730	20170	7770	4860	2640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2001, BY WATER YEAR (WY)

MEAN	32.6	25.2	19.8	17.2	17.6	19.6	38.5	257	479	195	74.8	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1958 - 2001	
ANNUAL TOTAL	36788		34536			
ANNUAL MEAN	101		94.6		102	
HIGHEST ANNUAL MEAN					183	1984
LOWEST ANNUAL MEAN					47.0	1977
HIGHEST DAILY MEAN	944	May 30	602	Jun 2	1480	Jun 17 1965
LOWEST DAILY MEAN	e23	Jan 31	e22	Jan 18	5.3	Oct 14 1994
ANNUAL SEVEN-DAY MINIMUM	e23	Dec 17	e23	Jan 12	7.9	Mar 8 1960
MAXIMUM PEAK FLOW			763	Jun 1	a1910	Jun 16 1965
MAXIMUM PEAK STAGE			3.94	Jun 1	6.15	Jun 16 1965
ANNUAL RUNOFF (AC-FT)	72970		68500		73760	
10 PERCENT EXCEEDS	283		263		320	
50 PERCENT EXCEEDS	36		33		31	
90 PERCENT EXCEEDS	25		23		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	70	70	93	78	81	52	65	217	329	126	131
2	74	70	70	93	82	81	52	65	217	302	123	131
3	67	70	70	93	82	82	52	65	217	276	120	131
4	70	70	70	87	82	82	52	73	243	255	119	131
5	69	70	70	82	82	82	52	80	279	254	118	131
6	69	70	71	82	82	81	52	80	255	256	116	131
7	68	70	70	82	82	80	52	80	217	271	117	131
8	67	70	70	82	82	80	52	80	219	290	116	131
9	68	70	70	82	81	80	75	80	218	294	116	131
10	68	70	70	82	82	80	104	80	217	329	139	167
11	66	70	70	82	82	80	104	80	218	390	193	194
12	65	70	70	82	82	80	104	80	221	432	194	194
13	65	70	70	82	82	80	104	80	223	487	192	194
14	65	70	70	82	82	73	104	81	225	541	157	205
15	65	69	70	82	82	56	104	82	225	571	113	213
16	65	69	70	82	82	51	104	82	225	581	130	214
17	68	69	70	82	82	52	104	82	225	552	161	215
18	68	68	74	82	84	52	104	82	232	490	160	226
19	68	68	80	82	85	52	104	82	238	423	160	233
20	69	68	80	82	85	52	104	82	258	346	144	233
21	70	67	80	82	85	52	104	78	288	291	131	233
22	69	69	88	82	84	52	104	75	333	263	131	233
23	70	70	93	82	83	52	104	75	413	243	131	233
24	70	70	93	82	84	52	104	75	401	229	131	200
25	70	70	93	82	84	52	104	137	372	217	131	179
26	70	70	93	82	81	52	104	213	376	210	131	171
27	69	70	93	82	80	52	104	214	406	206	131	161
28	70	70	93	82	80	52	104	214	389	187	131	161
29	70	70	93	78	---	52	104	217	383	165	131	161
30	70	70	93	71	---	52	82	217	357	146	131	161
31	70	---	93	72	---	52	---	217	---	133	131	---
TOTAL	2119	2087	2430	2555	2304	2009	2653	3293	8307	9959	4255	5360
MEAN	68.4	69.6	78.4	82.4	82.3	64.8	88.4	106	277	321	137	179
MAX	74	70	93	93	85	82	104	217	413	581	194	233
MIN	65	67	70	71	78	51	52	65	217	133	113	131
AC-FT	4200	4140	4820	5070	4570	3980	5260	6530	16480	19750	8440	10630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2001, BY WATER YEAR (WY)

MEAN	121	100	86.1	77.0	79.7	84.0	127	314	726	442	252	162
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1963 - 2001	
ANNUAL TOTAL	55790		47331			
ANNUAL MEAN	152		130		214	
HIGHEST ANNUAL MEAN					538	1984
LOWEST ANNUAL MEAN					65.5	1981
HIGHEST DAILY MEAN	1400	Jun 1	581	Jul 16	1940	May 24 1984
LOWEST DAILY MEAN	57	Jul 15	51	Mar 16	a.00	Sep 4 1963
ANNUAL SEVEN-DAY MINIMUM	66	Oct 10	52	Mar 16	.00	Sep 4 1963
MAXIMUM PEAK FLOW			591	Jul 16	2010	May 25 1984
MAXIMUM PEAK STAGE			2.12	Jul 16	b3.88	May 25 1984
ANNUAL RUNOFF (AC-FT)	110700		93880		155400	
10 PERCENT EXCEEDS	276		243		475	
50 PERCENT EXCEEDS	102		82		104	
90 PERCENT EXCEEDS	70		67		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 $SW^1/_4SW^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	e6.1	e3.2	e3.2	e3.2	e3.2	4.2	20	64	34	16	9.5
2	5.5	e6.4	e3.2	e3.2	e3.2	e3.2	4.4	19	72	32	16	8.8
3	7.4	e6.7	e3.2	e3.2	e3.2	e3.2	5.2	14	72	31	15	8.3
4	8.1	e6.8	e3.2	e3.2	e3.2	e3.2	6.5	13	63	29	14	8.0
5	8.1	e6.6	e3.2	e3.2	e3.2	e3.2	6.2	13	60	29	14	8.0
6	7.4	e6.0	e3.2	e3.2	e3.2	e3.2	5.3	12	64	30	13	8.1
7	7.4	e6.0	e3.2	e3.2	e3.2	e3.2	5.2	13	69	31	14	10
8	7.2	e5.8	e3.2	e3.2	e3.2	e3.2	5.1	14	71	45	17	11
9	7.0	e5.6	e3.2	e3.2	e3.2	e3.2	5.8	17	69	34	16	12
10	7.2	e5.4	e3.2	e3.2	e3.2	e3.2	5.7	19	67	31	15	10
11	7.1	e5.4	e3.2	e3.2	e3.2	e3.2	5.5	22	66	31	15	9.3
12	6.8	e5.2	e3.2	e3.2	e3.2	e3.2	5.9	26	63	36	14	8.2
13	6.8	e5.0	e3.2	e3.2	e3.2	e3.2	5.3	28	61	39	13	9.5
14	6.8	e4.8	e3.2	e3.2	e3.2	e3.2	6.4	31	53	33	17	10
15	6.7	e4.6	e3.2	e3.2	e3.2	e3.2	5.9	36	48	31	17	7.8
16	6.8	e4.5	e3.2	e3.2	e3.2	e3.2	7.2	39	44	29	14	7.0
17	6.5	e4.2	e3.2	e3.2	e3.2	e3.2	8.9	39	43	28	13	8.3
18	6.9	e3.8	e3.2	e3.0	e3.2	e3.2	e10	37	42	26	13	7.5
19	6.3	e3.8	e3.2	e3.2	e3.2	e3.5	e11	36	43	24	13	7.0
20	6.6	e3.8	e3.2	e3.2	e3.2	e3.9	e10	37	43	23	13	6.4
21	6.4	e3.8	e3.2	e3.2	e3.2	4.1	e9.0	34	43	22	13	6.3
22	6.5	e3.8	e3.2	e3.2	e3.2	4.3	e8.5	30	42	21	13	6.0
23	6.4	e3.8	e3.2	e3.2	e3.2	4.2	e8.5	32	40	20	13	6.0
24	6.9	e3.8	e3.2	e3.2	e3.2	4.3	e9.0	34	40	19	12	5.7
25	6.5	e3.8	e3.2	e3.2	e3.2	4.4	9.8	37	40	19	12	5.9
26	6.6	e3.8	e3.2	e3.2	e3.2	4.4	12	41	42	20	11	5.7
27	6.5	e3.8	e3.2	e3.2	e3.2	4.4	13	47	41	18	10	6.6
28	6.6	e3.8	e3.2	e3.2	e3.2	4.5	14	47	38	17	9.7	6.1
29	6.8	e3.6	e3.2	e3.2	---	4.0	16	47	37	16	9.2	6.0
30	6.6	e3.5	e3.2	e3.2	---	4.0	18	53	35	15	9.4	6.1
31	6.5	---	e3.2	e3.2	---	4.0	---	57	---	16	10	---
TOTAL	209.5	144.0	99.2	99.0	89.6	111.6	247.5	944	1575	829	414.3	235.1
MEAN	6.76	4.80	3.20	3.19	3.20	3.60	8.25	30.5	52.5	26.7	13.4	7.84
MAX	8.1	6.8	3.2	3.2	3.2	4.5	18	57	72	45	17	12
MIN	4.6	3.5	3.2	3.0	3.2	3.2	4.2	12	35	15	9.2	5.7
AC-FT	416	286	197	196	178	221	491	1870	3120	1640	822	466

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2001, BY WATER YEAR (WY)

MEAN	7.43	5.85	4.59	3.97	3.86	4.05	6.41	26.9	66.2	31.4	13.0	8.29
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	3.20	2.43	2.39	3.14	3.55	9.45	36.2	11.7	8.63	4.31
(WY)	1990	1990	2001	1992	1992	1992	1995	1995	1987	1994	2000	1989

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1987 - 2001	
ANNUAL TOTAL	4771.6		4997.8			
ANNUAL MEAN	13.0		13.7		15.2	
HIGHEST ANNUAL MEAN					25.5	1996
LOWEST ANNUAL MEAN					10.9	1987
HIGHEST DAILY MEAN	122	May 31	72	Jun 2	226	Jun 17 1995
LOWEST DAILY MEAN	e3.2	Dec 1	e3.0	Jan 18	1.8	Jan 31 1992
ANNUAL SEVEN-DAY MINIMUM	e3.2	Dec 1	e3.2	Jan 12	1.9	Jan 26 1992
MAXIMUM PEAK FLOW			95	Jun 2	a416	Jun 17 1995
MAXIMUM PEAK STAGE			4.96	Jun 2	5.78	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	9460		9910		11000	
10 PERCENT EXCEEDS	26		39		40	
50 PERCENT EXCEEDS	6.4		6.5		6.6	
90 PERCENT EXCEEDS	3.4		3.2		3.4	

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$^1/_4$NE$^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	388	408	164	164	187	186	138	92	68	76	593	958
2	473	410	161	162	188	173	139	91	68	66	619	961
3	613	412	162	169	187	164	140	94	68	66	574	957
4	669	413	162	189	186	170	137	95	68	66	522	928
5	e666	303	163	188	186	169	135	96	68	75	520	816
6	e666	128	163	189	189	166	136	94	68	100	519	766
7	e665	137	162	189	189	166	135	81	68	100	460	764
8	e664	137	162	189	185	166	136	59	81	100	296	761
9	e663	130	162	190	184	167	137	59	84	81	111	765
10	e662	130	162	189	186	166	128	59	84	68	138	777
11	642	131	161	188	188	166	136	59	91	68	218	824
12	590	132	161	181	190	168	139	59	98	69	266	766
13	589	159	162	190	191	171	196	59	98	89	295	676
14	590	197	163	189	189	170	331	62	98	99	295	686
15	591	191	164	190	184	165	330	66	98	99	359	698
16	591	188	163	192	187	167	331	66	98	99	499	695
17	591	189	164	192	187	166	333	66	97	164	540	695
18	600	189	163	191	187	165	339	67	96	306	504	681
19	603	189	163	185	188	167	337	67	96	305	564	700
20	621	190	163	188	187	151	258	67	96	328	670	699
21	656	190	162	186	186	135	94	67	96	382	702	691
22	656	188	163	187	184	137	93	67	96	382	720	686
23	656	187	162	187	184	138	91	67	96	401	736	688
24	658	185	163	185	185	139	156	67	96	413	738	716
25	570	185	163	187	185	140	200	67	96	469	738	739
26	468	178	163	186	185	131	269	68	96	516	739	729
27	452	181	163	186	184	127	359	68	96	524	809	718
28	402	177	164	185	186	126	195	68	96	522	870	717
29	404	171	164	190	---	130	94	68	96	523	958	715
30	405	148	164	187	---	137	94	68	96	524	965	712
31	407	---	164	186	---	138	---	68	---	561	963	---
TOTAL	17871	6153	5045	5756	5224	4827	5736	2201	2651	7641	17500	22684
MEAN	576	205	163	186	187	156	191	71.0	88.4	246	565	756
MAX	669	413	164	192	191	186	359	96	98	561	965	961
MIN	388	128	161	162	184	126	91	59	68	66	111	676
AC-FT	35450	12200	10010	11420	10360	9570	11380	4370	5260	15160	34710	44990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2001, BY WATER YEAR (WY)

MEAN	386	294	312	307	294	317	391	520	741	796	625	505
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1943 - 2001	
ANNUAL TOTAL	140204		103289			
ANNUAL MEAN	383		283			
HIGHEST ANNUAL MEAN					946	1984
LOWEST ANNUAL MEAN					200	1964
HIGHEST DAILY MEAN	1290	Jun 20	965	Aug 30	4010	Jul 12 1995
LOWEST DAILY MEAN	96	Jun 5	59	May 8	a,b.00	Dec 6 1942
ANNUAL SEVEN-DAY MINIMUM	103	Jun 4	59	May 8	.00	Jan 5 1943
MAXIMUM PEAK FLOW			1020	Aug 31	4040	Jul 12 1995
MAXIMUM PEAK STAGE			6.15	Aug 31	10.85	Jul 12 1995
ANNUAL RUNOFF (AC-FT)	278100		204900			
10 PERCENT EXCEEDS	718		689		849	
50 PERCENT EXCEEDS	286		185		370	
90 PERCENT EXCEEDS	162		69		122	

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$^1/_4$SW$^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	751	756	506	449	443	404	523	494	464	482	1200	1510
2	760	764	486	448	475	400	527	547	456	497	1250	1500
3	916	759	512	e460	482	377	550	577	428	511	1220	1490
4	1000	743	511	e465	468	377	529	495	404	554	1140	1480
5	1010	737	486	e465	460	377	590	441	358	644	1110	1380
6	1000	481	467	e460	460	379	615	416	358	672	1090	1340
7	1000	389	460	e470	464	379	575	399	353	716	1060	1350
8	998	364	442	e470	453	387	521	358	381	800	905	1400
9	996	398	451	e480	e460	402	499	349	386	787	630	1410
10	995	423	469	e510	e469	417	508	365	398	636	661	1390
11	998	432	446	506	e465	407	555	349	382	653	755	1340
12	997	413	435	507	e460	396	546	357	390	653	792	1270
13	994	393	444	477	e450	394	574	416	380	771	830	1170
14	997	454	454	468	e450	401	645	489	423	914	874	1130
15	996	509	469	475	434	391	666	533	431	922	913	1100
16	992	495	397	473	e410	414	672	548	446	812	1070	1050
17	925	471	455	471	e415	429	698	535	424	686	1120	1050
18	896	530	441	476	e425	443	742	570	412	844	1100	1040
19	897	585	442	464	e430	432	800	599	405	837	1140	1030
20	896	546	441	452	e420	436	797	586	453	767	1250	1020
21	967	537	460	469	e415	448	553	546	496	809	1260	999
22	968	547	489	481	e410	476	468	470	444	818	1260	1000
23	969	513	445	e490	403	503	460	412	440	807	1300	999
24	970	510	455	e470	402	521	608	390	400	861	1300	1010
25	957	524	444	481	395	532	757	401	466	889	1290	1020
26	813	510	439	459	396	552	775	406	435	980	1280	1020
27	797	486	429	463	398	582	981	424	407	1010	1300	999
28	749	495	507	496	406	588	896	432	401	1010	1340	991
29	743	522	506	494	---	575	749	481	392	989	1460	985
30	740	542	484	457	---	536	605	520	389	973	1500	988
31	743	---	451	445	---	536	---	483	---	1110	1510	---
TOTAL	28430	15828	14323	14651	12218	13891	18984	14388	12402	24414	34910	35461
MEAN	917	528	462	473	436	448	633	464	413	788	1126	1182
MAX	1010	764	512	510	482	588	981	599	496	1110	1510	1510
MIN	740	364	397	445	395	377	460	349	353	482	630	985
AC-FT	56390	31390	28410	29060	24230	27550	37650	28540	24600	48430	69240	70340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2001, BY WATER YEAR (WY)

MEAN	763	648	579	559	550	651	1023	1879	2165	1570	1096	880
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	464	379	539	630	733
(WY)	1989	1978	1964	1964	1964	1977	1964	2001	1966	1963	1963	1969

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1962 - 2001	
ANNUAL TOTAL	349330		239900			
ANNUAL MEAN	954		657		1032	
HIGHEST ANNUAL MEAN					2378	1984
LOWEST ANNUAL MEAN					568	1964
HIGHEST DAILY MEAN	3040	Jun 2	1510	Aug 31	a12700	May 26 1984
LOWEST DAILY MEAN	364	Nov 8	349	May 9	b250	Dec 13 1963
ANNUAL SEVEN-DAY MINIMUM	402	Nov 7	370	May 6	264	Dec 20 1963
MAXIMUM PEAK FLOW			1530	Aug 31	c13600	May 26 1984
MAXIMUM PEAK STAGE			6.71	Aug 31	16.60	May 26 1984
ANNUAL RUNOFF (AC-FT)	692900		475800		747800	
10 PERCENT EXCEEDS	1640		1090		1870	
50 PERCENT EXCEEDS	820		510		764	
90 PERCENT EXCEEDS	488		400		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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	FECAL STREP, KF STRP MF, WATER (COL/ 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)	SODIUM AD-SORP-TION RATIO (00931)
OCT													
12...	0930	1010	194	8.4	9.5	7.0	11	14	79.1	24.7	4.20	6.1	.300
APR													
10...	1130	455	284	8.3	8.0	8.9	E1	E3	123	35.9	8.06	11.5	.450
MAY													
08...	1220	335	333	8.2	12.5	7.5	E1	E1	129	36.0	9.48	14.6	.560
JUN													
07...	1130	332	335	7.9	16.0	6.9	41	37	147	42.3	10.0	14.9	.536
AUG													
29...	1245	1520	219	8.3	14.5	7.0	14	46	94.6	28.8	5.43	6.7	.300

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)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT													
12...	1.58	62	29.5	3.3	.3	7.1	126	115	.2	343	.001	.071	.005
APR													
10...	2.12	84	53.3	5.1	.3	8.7	193	176	.3	237	.001	.073	.014
MAY													
08...	2.02	90	68.1	4.6	.3	9.5	220	199	.3	199	.001	.061	.019
JUN													
07...	1.81	111	59.4	3.5	.3	11.7	222	211	.3	199	.001	.016	.007
AUG													
29...	1.58	61	42.3	4.6	.3	6.9	140	134	.2	576	.001	.114	.003

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)	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)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)
OCT													
12...	.18	.026	.007	<.007	36.7	<1.00	<.14	<.8	.08	.9	20	<.08	5.9
APR													
10...	.33	.034	.011	E.005	38.2	<1.00	<.14	<.8	.14	1.2	60	E.05	10.8
MAY													
08...	.35	.045	.013	.007	46.2	<1.00	<.14	<.8	.14	1.1	60	E.07	13.5
JUN													
07...	.35	.048	.013	E.005	55.4	<1.00	<.10	<.8	.18	1.3	150	.14	12.0
AUG													
29...	.22	.022	E.005	<.007	41.3	<1.00	<.10	<.8	.05	.9	10	E.06	5.9

DATE	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							
12...	12.0	20.6	.67	<1.0	139	.4	2
APR							
10...	39.7	13.1	.29	<1.0	226	.8	2
MAY							
08...	59.5	10	.36	<1.0	270	1.2	2
JUN							
07...	136	9.1	.91	<1.0	283	.9	3
AUG							
29...	13.5	25.0	<.06	<1.0	155	.4	2

E Estimated laboratory analysis value.

09058000 COLORADO RIVER NEAR KREMMLING, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
JUL					SEP				
25...	1040	865	241	14.5	21...	1000	994	255	11.5

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	e4.1	e3.3	e2.2	e2.2	e2.1	e2.4	74	156	54	10	8.2
2	7.7	e4.3	e3.3	e2.2	e2.2	e2.1	e2.4	86	209	48	20	7.2
3	7.0	e4.2	e3.3	e2.2	e2.0	e2.1	e2.4	53	182	44	40	6.3
4	7.0	e4.4	e3.3	e2.0	e2.0	e2.1	e2.5	39	139	43	21	5.4
5	9.3	e4.5	e3.3	e2.0	e2.0	e2.1	e2.5	33	84	41	15	4.9
6	10	e4.3	e3.3	e2.0	e2.2	e2.1	e2.5	26	101	38	12	4.6
7	8.7	e4.2	e2.9	e2.2	e2.2	e2.1	e2.4	27	157	34	11	6.1
8	7.6	e4.1	e2.9	e2.2	e2.2	e2.1	e2.4	40	171	32	11	8.2
9	6.8	e4.2	e2.6	e2.0	e2.2	e2.1	e2.4	65	154	28	13	8.5
10	6.4	e4.1	e2.6	e2.2	e2.2	e2.1	e2.4	73	146	24	12	11
11	e5.8	e4.2	e2.7	e2.0	e2.2	e2.1	e2.6	88	156	25	10	8.6
12	e5.6	e4.1	e2.9	e2.0	e2.0	e2.1	e2.4	124	141	25	8.4	7.2
13	5.3	e3.8	e2.9	e2.0	e2.0	e2.1	e2.6	164	103	26	7.3	6.6
14	5.0	e3.9	e2.9	e2.0	e2.0	e2.1	e2.6	179	65	22	7.1	8.1
15	4.8	e4.1	e2.9	e2.2	e2.0	e2.1	e2.4	198	51	29	11	7.9
16	4.5	e4.1	e2.9	e2.2	e2.0	e2.1	e4.7	197	57	29	12	6.8
17	4.3	e3.7	e2.9	e2.2	e2.2	e2.1	e9.4	179	65	20	9.7	9.1
18	4.1	e4.1	e2.6	e2.2	e2.2	e2.1	e14	137	80	16	7.7	18
19	4.0	e4.1	e2.6	e2.2	e2.1	e2.1	e18	143	83	14	6.7	14
20	3.8	e3.9	e2.7	e2.2	e2.1	e2.2	e18	135	92	12	6.4	11
21	3.7	e3.9	e2.6	e2.2	e2.1	e2.4	e13	107	91	11	6.9	9.3
22	3.6	e3.9	e2.6	e2.2	e2.1	e2.4	e10	70	78	11	12	7.7
23	3.4	e3.9	e2.6	e2.2	e2.1	e2.4	e9.4	76	66	9.5	23	7.0
24	3.5	e3.5	e2.3	e2.2	e2.1	e2.4	e9.0	104	69	8.8	15	6.4
25	3.7	e3.7	e2.3	e2.2	e2.1	e2.4	e15	136	77	8.5	11	5.7
26	3.8	e3.5	e2.3	e2.2	e2.1	e2.7	e16	142	82	8.8	9.0	5.3
27	3.7	e3.5	e2.3	e2.2	e2.1	e2.5	29	165	108	10	7.6	5.0
28	3.9	e3.5	e2.3	e2.2	e2.1	e2.3	40	176	75	8.1	6.6	4.7
29	e4.3	e3.5	e2.3	e2.2	---	e2.3	45	142	65	7.0	6.0	4.5
30	e4.0	e3.5	e2.3	e2.2	---	e2.3	55	123	61	6.6	6.0	4.3
31	e4.3	---	e2.2	e2.2	---	e2.3	---	148	---	6.6	6.8	---
TOTAL	168.8	118.8	84.9	66.6	59.0	68.5	342.4	3449	3164	699.9	361.2	227.6
MEAN	5.45	3.96	2.74	2.15	2.11	2.21	11.4	111	105	22.6	11.7	7.59
MAX	10	4.5	3.3	2.2	2.2	2.7	55	198	209	54	40	18
MIN	3.4	3.5	2.2	2.0	2.0	2.1	2.4	26	51	6.6	6.0	4.3
AC-FT	335	236	168	132	117	136	679	6840	6280	1390	716	451

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2001, BY WATER YEAR (WY)

MEAN	6.28	4.05	2.82	2.24	2.04	2.58	11.2	67.7	125	56.9	14.8	7.35
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1948 - 2001	
ANNUAL TOTAL	9224.1		8810.7			
ANNUAL MEAN	25.2		24.1		25.3	
HIGHEST ANNUAL MEAN					41.2	1984
LOWEST ANNUAL MEAN					12.9	1977
HIGHEST DAILY MEAN	e250	May 30	209	Jun 2	362	Jun 9 1985
LOWEST DAILY MEAN	e1.8	Jan 6	e2.0	Jan 4	.40	Oct 6 1975
ANNUAL SEVEN-DAY MINIMUM	2.0	Jan 1	2.1	Jan 8	.62	Mar 28 1975
MAXIMUM PEAK FLOW			262	Jun 2	560	Jun 8 1985
MAXIMUM PEAK STAGE			4.42	Jun 2	a5.12	Jun 8 1985
ANNUAL RUNOFF (AC-FT)	18300		17480		18330	
10 PERCENT EXCEEDS	83		83		86	
50 PERCENT EXCEEDS	4.7		4.5		4.9	
90 PERCENT EXCEEDS	2.2		2.1		1.6	

e Estimated.
a 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	e1.5	e1.0	e.96	e.94	e.88	e1.0	6.8	11	e2.2	e2.1	1.1
2	1.0	e1.6	e1.0	e.96	e.94	e.88	e1.0	7.4	11	e2.1	e2.0	1.1
3	1.1	e1.5	e1.0	e.96	e.88	e.88	e1.0	5.7	11	e2.1	e1.7	1.0
4	1.5	e1.5	e1.0	e.96	e.88	e.88	e1.1	5.6	10	e2.0	e1.8	1.0
5	1.7	e1.6	e1.0	e.90	e.88	e.88	e1.1	5.6	8.8	e2.0	e1.9	.95
6	1.4	e1.5	e1.0	e.90	e.94	e.88	e1.1	4.5	7.9	e1.9	e1.7	1.2
7	1.3	e1.4	e.94	e.94	e.94	e.88	e1.0	5.0	7.5	e2.0	e1.8	1.8
8	1.3	e1.3	e.94	e.94	e.94	e.88	e1.0	6.7	e6.8	e2.1	e1.9	2.0
9	1.3	e1.4	e.90	e.90	e.94	e.88	e1.0	8.5	e6.2	e2.2	e1.7	1.7
10	1.3	e1.3	e.88	e.94	e.94	e.88	e1.0	9.5	e5.7	e2.2	e1.7	1.6
11	1.3	e1.4	e.94	e.90	e.94	e.88	e1.1	11	e5.2	e2.0	e1.7	1.3
12	1.2	e1.3	e1.0	e.90	e.90	e.88	e1.0	12	e4.6	e6.5	e1.4	1.2
13	1.1	e1.1	e1.0	e.90	e.90	e.88	e1.1	13	e5.1	e2.9	e1.3	1.2
14	2.3	e1.2	e1.0	e.90	e.90	e.88	e1.1	13	e4.8	e2.5	e1.4	1.4
15	1.1	e1.2	e1.0	e.94	e.90	e.88	e1.0	14	e8.0	e3.2	e1.5	1.2
16	.91	e1.2	e1.0	e.94	e.90	e.88	e1.5	14	e5.5	e2.5	e1.3	1.2
17	.99	e1.1	e1.0	e.94	e.94	e.88	e1.7	15	e4.2	e2.0	e1.2	2.1
18	1.0	e1.2	e.94	e.94	e.94	e.88	e2.0	16	e3.8	e1.8	e1.1	1.8
19	1.0	e1.2	e.94	e.94	e.88	e.88	e2.4	16	e3.6	e1.7	e1.0	1.4
20	1.1	e1.1	e1.1	e.94	e.88	e.94	e2.5	15	e3.3	e1.6	e1.1	1.2
21	2.1	e1.1	e1.0	e.94	e.88	e1.0	e2.4	15	e3.2	e1.5	e1.3	1.1
22	.95	e1.1	e1.0	e.94	e.88	e1.0	e2.5	13	e3.0	e1.5	e1.5	1.3
23	.94	e1.1	e1.0	e.94	e.88	e1.0	e2.2	13	e2.9	e1.5	e1.2	1.0
24	1.0	e1.0	e.96	e.94	e.88	e1.0	e2.3	13	e2.8	e1.5	e1.1	1.0
25	1.1	e1.1	e.96	e.94	e.88	e1.0	e2.2	14	e2.7	e1.5	e1.1	1.1
26	1.1	e1.1	e.96	e.94	e.88	e1.1	e2.4	15	e3.0	e1.6	e1.1	1.0
27	1.1	e1.1	e.96	e.94	e.88	e1.0	3.2	15	e3.3	e1.6	e1.0	1.0
28	2.7	e1.1	e.96	e.94	e.88	e.94	3.8	15	e2.8	e1.5	e1.0	1.0
29	1.4	e1.1	e.96	e.94	---	e.94	4.2	14	e2.5	e1.4	e.98	1.1
30	1.4	e1.1	e.96	e.94	---	e.94	4.9	13	e2.3	e1.5	e1.0	1.1
31	e1.5	---	e.96	e.94	---	e.94	---	12	---	e1.6	1.1	---
TOTAL	41.09	37.5	30.26	28.94	25.34	28.52	55.8	356.3	162.5	64.2	43.68	38.15
MEAN	1.33	1.25	.98	.93	.91	.92	1.86	11.5	5.42	2.07	1.41	1.27
MAX	2.7	1.6	1.1	.96	.94	1.1	4.9	16	11	6.5	2.1	2.1
MIN	.91	1.0	.88	.90	.88	.88	1.0	4.5	2.3	1.4	.98	.95
AC-FT	82	74	60	57	50	57	111	707	322	127	87	76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2001, BY WATER YEAR (WY)

MEAN	1.20	1.00	.81	.73	.70	.78	1.53	7.86	10.6	3.42	1.69	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1972 - 2001	
ANNUAL TOTAL	1078.56		912.28			
ANNUAL MEAN	2.95		2.50		2.65	
HIGHEST ANNUAL MEAN					5.73	1997
LOWEST ANNUAL MEAN					.58	1977
HIGHEST DAILY MEAN	20	May 26	16	May 18	48	Jun 2 1997
LOWEST DAILY MEAN	e.70	Jan 6	e.88	Dec 10	a.00	Aug 12 1972
ANNUAL SEVEN-DAY MINIMUM	.84	Mar 13	.88	Feb 19	.00	Sep 12 1972
MAXIMUM PEAK FLOW			19	Oct 28	52	Jun 1 1997
MAXIMUM PEAK STAGE			2.98	Oct 28	b3.29	Jun 1 1997
ANNUAL RUNOFF (AC-FT)	2140		1810		1920	
10 PERCENT EXCEEDS	9.4		6.3		6.5	
50 PERCENT EXCEEDS	1.3		1.1		1.1	
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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.39	e.31	e.20	e.19	e.18	e.15	e.20	5.4	4.6	.75	.76	.14
2	.37	e.32	e.20	e.19	e.18	e.15	e.20	5.0	4.3	.76	.75	.11
3	.34	e.31	e.20	e.19	e.16	e.15	e.20	3.3	3.9	.75	.50	.10
4	.45	e.31	e.20	e.18	e.16	e.15	e.21	2.7	3.6	.71	.59	.07
5	.55	e.32	e.20	e.17	e.16	e.15	e.21	2.3	3.1	.69	.56	.08
6	.42	e.31	e.20	e.17	e.17	e.15	e.21	2.0	2.8	.67	.46	.22
7	.37	e.30	e.19	e.18	e.17	e.15	e.20	3.1	2.6	.69	.52	.49
8	.36	e.29	e.19	e.18	e.17	e.15	e.20	5.1	2.4	.74	.66	.43
9	.36	e.30	e.18	e.17	e.17	e.15	e.20	7.4	2.1	.78	.50	.50
10	.36	e.28	e.18	e.18	e.17	e.15	e.20	8.7	1.9	.78	.44	.35
11	.37	e.29	e.19	e.17	e.17	e.15	e.21	11	1.7	.59	.53	.16
12	.36	e.27	e.20	e.17	e.15	e.15	e.20	13	1.6	2.5	.32	.14
13	.36	e.21	e.20	e.17	e.15	e.15	e.21	14	2.0	1.1	.22	.18
14	.33	e.22	e.20	e.17	e.15	e.15	e.21	14	2.0	.85	.24	.32
15	.31	e.23	e.20	e.18	e.15	e.15	e.20	15	2.5	1.1	.28	.29
16	.31	e.23	e.20	e.18	e.15	e.15	e.36	17	1.7	.86	.17	.20
17	.31	e.21	e.20	e.18	e.16	e.15	e.45	16	1.4	.69	.13	.59
18	.31	e.23	e.18	e.18	e.16	e.15	e.56	19	1.3	.56	.12	.59
19	.29	e.23	e.18	e.18	e.15	e.15	e.80	16	1.2	.47	.07	.27
20	.28	e.22	e.21	e.18	e.15	e.16	e1.1	13	1.1	.38	.11	.18
21	.28	e.22	e.20	e.18	e.15	e.17	e1.0	11	1.0	.44	.17	.14
22	.28	e.22	e.20	e.18	e.15	e.17	e1.1	8.9	1.0	.36	.27	.11
23	.28	e.22	e.20	e.18	e.15	e.17	e.98	8.5	1.0	.35	.30	.10
24	.28	e.21	e.19	e.18	e.15	e.17	e1.0	8.4	.98	.35	.17	.09
25	.32	e.22	e.19	e.18	e.15	e.17	e.98	8.2	.92	.37	.12	.09
26	.31	e.21	e.19	e.18	e.15	e.19	e1.2	8.0	.96	.56	.11	.09
27	.31	e.21	e.19	e.18	e.15	e.18	e1.5	7.4	1.1	.44	.10	.08
28	.32	e.21	e.19	e.18	e.15	e.18	1.6	6.9	.89	.27	.09	.09
29	.36	e.21	e.19	e.18	---	e.18	2.0	7.3	.83	.21	.08	.09
30	.35	e.21	e.19	e.18	---	e.18	2.6	5.9	.81	.21	.08	.09
31	.37	---	e.19	e.18	---	e.18	---	5.1	---	.42	.14	---
TOTAL	10.66	7.53	6.02	5.54	4.43	4.95	20.29	278.6	57.29	20.40	9.56	6.38
MEAN	.34	.25	.19	.18	.16	.16	.68	8.99	1.91	.66	.31	.21
MAX	.55	.32	.21	.19	.18	.19	2.6	19	4.6	2.5	.76	.59
MIN	.28	.21	.18	.17	.15	.15	.20	2.0	.81	.21	.07	.07
AC-FT	21	15	12	11	8.8	9.8	40	553	114	40	19	13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	.27	.18	.13	.10	.093	.13	.63	6.92	6.47	.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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	489.88		431.65			
ANNUAL MEAN	1.34		1.18		1.38	
HIGHEST ANNUAL MEAN					3.54	1984
LOWEST ANNUAL MEAN					.31	1977
HIGHEST DAILY MEAN	e16	May 26	19	May 18	63	May 25 1984
LOWEST DAILY MEAN	e.10	Jan 6	.07	Aug 19	a.00	Nov 10 1964
ANNUAL SEVEN-DAY MINIMUM	.13	Jan 2	.09	Sep 24	.00	Nov 10 1964
MAXIMUM PEAK FLOW			29	May 16	82	May 25 1984
MAXIMUM PEAK STAGE			2.27	May 16	b2.21	May 25 1984
ANNUAL RUNOFF (AC-FT)	972		856		1000	
10 PERCENT EXCEEDS	4.6		2.6		3.4	
50 PERCENT EXCEEDS	.33		.22		.20	
90 PERCENT EXCEEDS	.15		.15		.05	

e Estimated.
a No flow some days some years.
b Maximum gage height, 3.51 ft, May 18, 1973, backwater from ice.

09058800 EAST MEADOW CREEK NEAR MINTURN, CO

LOCATION.--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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	e1.1	e.93	e.65	e.48	e.39	e1.2	e7.9	25	4.6	2.0	1.3
2	1.0	e1.2	e.93	e.66	e.48	e.42	e1.3	e7.5	25	4.3	2.3	1.1
3	1.0	e1.2	e.91	e.65	e.50	e.44	e1.4	e4.8	25	4.1	2.0	1.0
4	1.1	e1.2	e.84	e.62	e.48	e.44	e1.5	e3.6	22	3.7	1.8	.94
5	1.3	e1.2	e.86	e.60	e.46	e.47	e1.7	e3.3	20	3.5	1.5	.91
6	1.1	e1.1	e.80	e.59	e.46	e.47	e1.8	e3.2	20	3.2	1.4	.91
7	1.0	e1.1	e.73	e.57	e.44	e.49	e1.7	e3.6	21	3.0	1.4	1.2
8	1.0	e1.1	e.76	e.59	e.44	e.51	e1.6	e4.9	21	3.1	1.7	1.3
9	1.0	e1.1	e.76	e.57	e.46	e.54	e1.5	e6.6	20	2.9	2.5	1.6
10	1.0	e1.1	e.73	e.50	e.50	e.54	e1.4	e8.3	20	2.7	2.2	1.4
11	1.0	e1.1	e.71	e.50	e.44	e.53	e1.4	e10	19	2.5	1.7	1.1
12	1.0	e1.1	e.71	e.46	e.44	e.51	e1.4	e14	17	3.5	1.3	1.0
13	.94	e1.1	e.71	e.48	e.42	e.53	e1.3	e18	17	3.4	1.2	.98
14	.94	e1.1	e.71	e.50	e.43	e.54	e1.5	e18	15	3.0	1.4	1.1
15	e.84	e1.1	e.71	e.51	e.40	e.53	e1.6	e21	16	3.1	1.5	1.0
16	e.89	e1.1	e.66	e.48	e.44	e.54	e1.8	e21	13	2.6	1.6	.94
17	e.90	e1.1	e.67	e.46	e.48	e.53	e2.1	e21	11	2.3	1.2	2.0
18	e.90	e1.1	e.67	e.51	e.48	e.59	e3.1	e20	10	2.1	1.1	1.8
19	e.87	e1.1	e.67	e.50	e.46	e.61	e4.9	e19	9.5	1.9	1.0	1.3
20	e.84	e1.0	e.66	e.51	e.44	e.70	e4.4	e19	9.1	1.9	1.1	1.1
21	e.83	e1.0	e.69	e.51	e.45	e.82	e3.2	e18	8.6	1.8	1.5	e1.0
22	e.83	e1.1	e.71	e.51	e.43	e.87	e2.4	e17	8.1	1.7	2.0	e.95
23	e.84	e1.0	e.71	e.50	e.43	e.89	e1.9	18	7.5	1.7	1.6	e.93
24	e.87	e1.0	e.66	e.48	e.40	e.91	e1.9	20	7.1	1.6	1.2	e.91
25	e.88	e1.0	e.65	e.48	e.40	e.93	e1.9	20	6.9	1.6	1.1	e.89
26	e.89	e1.0	e.65	e.51	e.38	e.98	e2.1	21	7.3	1.9	1.0	e.87
27	e.94	e1.0	e.66	e.51	e.38	e1.1	e2.4	24	7.7	1.7	.93	e.86
28	e1.0	e.93	e.65	e.48	e.38	e1.2	e2.9	23	6.2	1.5	.90	e.84
29	e1.0	e.95	e.66	e.48	---	e1.1	e3.7	23	5.5	1.4	.90	e.83
30	e1.0	e.95	e.66	e.46	---	e1.1	e5.0	24	5.0	1.3	.94	e.81
31	e1.1	---	e.65	e.46	---	e1.1	---	24	---	1.5	1.2	---
TOTAL	29.80	32.23	22.48	16.29	12.38	21.32	66.0	466.7	425.5	79.1	45.17	32.87
MEAN	.96	1.07	.73	.53	.44	.69	2.20	15.1	14.2	2.55	1.46	1.10
MAX	1.3	1.2	.93	.66	.50	1.2	5.0	24	25	4.6	2.5	2.0
MIN	.83	.93	.65	.46	.38	.39	1.2	3.2	5.0	1.3	.90	.81
AC-FT	59	64	45	32	25	42	131	926	844	157	90	65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	1.30	.97	.79	.69	.66	.75	1.60	11.6	22.8	8.16	2.22	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	1636.56		1249.84			
ANNUAL MEAN	4.47		3.42		4.41	
HIGHEST ANNUAL MEAN					8.05	1983
LOWEST ANNUAL MEAN					1.83	1977
HIGHEST DAILY MEAN	e50	May 26	25	Jun 1	81	Jun 20 1983
LOWEST DAILY MEAN	e.35	Jan 6	e.38	Feb 26	.32	Jan 7 1979
ANNUAL SEVEN-DAY MINIMUM	.41	Jan 1	.39	Feb 24	.33	Jan 6 1979
MAXIMUM PEAK FLOW			33	Jun 1	107	Jun 17 1995
MAXIMUM PEAK STAGE			1.44	Jun 1	a1.86	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	3250		2480		3190	
10 PERCENT EXCEEDS	17		12		15	
50 PERCENT EXCEEDS	1.0		1.1		1.1	
90 PERCENT EXCEEDS	.44		.48		.58	

e Estimated.
a 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e18	18	e16	e17	e18	e18	e20	e231	345	94	24	20
2	e17	18	e16	e17	e18	e18	e21	298	365	87	37	19
3	e16	e17	e17	e16	e18	e17	e22	200	353	82	62	17
4	17	e20	e19	e15	e19	e17	e24	152	314	77	43	15
5	20	e21	e19	e14	e19	e18	e26	140	240	72	32	14
6	19	e18	e19	e14	e20	e18	e25	122	247	67	28	14
7	18	e16	e17	e15	e20	e17	e23	124	277	63	29	19
8	17	e18	e18	e15	e20	e17	e22	169	288	63	31	25
9	16	e19	e19	e14	e20	e18	e21	243	273	58	29	24
10	16	e20	e17	e16	e19	e18	e22	280	266	54	30	26
11	16	e20	e17	e16	e19	e18	e22	329	261	51	27	22
12	15	e19	e17	e16	e19	e17	e21	390	241	53	23	19
13	14	e17	e19	e16	e19	e16	25	420	225	60	21	18
14	14	e18	e19	e14	e19	e16	24	438	184	52	22	20
15	14	e19	e18	e14	e19	e16	24	457	165	58	24	21
16	13	e18	e18	e14	e19	e16	29	480	162	59	27	18
17	13	e15	e17	e14	e21	e16	41	465	148	42	22	26
18	13	e16	e17	e14	e21	e17	67	473	163	36	19	37
19	13	e19	e17	e14	e21	e17	84	460	162	32	17	30
20	13	e19	e18	e14	e21	e17	85	434	164	29	17	25
21	13	e20	e17	e14	e20	e19	70	378	161	28	23	22
22	13	e20	e17	e14	e20	e21	62	301	146	26	28	19
23	13	e19	e16	e16	e20	e22	52	306	129	24	41	18
24	13	e17	e15	e15	e19	e21	e50	349	129	24	30	17
25	15	e18	e16	e16	e17	e22	e58	370	135	23	23	16
26	14	e19	e16	e16	e17	e24	e64	371	138	25	19	15
27	14	e21	e16	e16	e17	e24	e89	393	170	25	17	15
28	16	e21	e16	e16	e18	e23	e132	398	133	22	16	14
29	22	e19	e16	e16	---	e20	e154	375	114	19	15	14
30	18	e20	e16	e16	---	e18	e192	349	105	18	16	14
31	17	---	e17	e17	---	e18	---	352	---	20	17	---
TOTAL	480	559	532	471	537	574	1571	10247	6203	1443	809	593
MEAN	15.5	18.6	17.2	15.2	19.2	18.5	52.4	331	207	46.5	26.1	19.8
MAX	22	21	19	17	21	24	192	480	365	94	62	37
MIN	13	15	15	14	17	16	20	122	105	18	15	14
AC-FT	952	1110	1060	934	1070	1140	3120	20320	12300	2860	1600	1180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2001, BY WATER YEAR (WY)

MEAN	20.0	17.9	15.1	13.6	13.3	15.8	54.0	264	343	111	32.0	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1944 - 2001	
ANNUAL TOTAL	25449		24019			
ANNUAL MEAN	69.5		65.8		76.5	
HIGHEST ANNUAL MEAN					127	1984
LOWEST ANNUAL MEAN					27.2	1977
HIGHEST DAILY MEAN	687	May 30	480	May 16	e1300	May 25 1984
LOWEST DAILY MEAN	11	Sep 20	13	Oct 16	1.9	Sep 1 1954
ANNUAL SEVEN-DAY MINIMUM	12	Sep 14	13	Oct 16	2.3	Sep 17 1954
MAXIMUM PEAK FLOW			589	May 17	e,a,b1300	May 25 1984
MAXIMUM PEAK STAGE			4.97	May 17		
ANNUAL RUNOFF (AC-FT)	50480		47640		55450	
10 PERCENT EXCEEDS	203		235		257	
50 PERCENT EXCEEDS	19		20		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 $SE^1/_4SE^1/_4$ 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.--10.9 mi^2.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
NOV													
15...	0855	.51	185	7.9	.1	11.5	<1	<1	94	22.3	9.18	1.6	.1
JAN													
24...	1230	5.1	235	8.2	.1	10.2	<1	<1	120	28.5	10.8	1.3	.1
MAR													
20...	1105	.52	201	8.1	.8	10.3	--	--	96	22.9	9.45	2.2	.1
MAY													
31...	1500	31	114	8.1	10.2	8.3	<1	<1	58	13.5	6.00	.9	.1
JUN													
06...	1605	22	127	8.3	11.4	7.8	--	--	--	--	--	--	--
AUG													
14...	0900	4.5	176	8.3	9.3	8.1	E12	21	88	20.7	8.72	1.5	.1

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 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, 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)
NOV													
15...	.95	--	92	9.4	.2	.2	6.1	106	.14	.15	<.001	.075	.008
JAN													
24...	1.24	--	83	38.1	.3	.4	2.5	134	.18	1.82	<.001	.039	<.002
MAR													
20...	.86	--	90	18.5	.4	.3	5.4	114	.16	.16	<.001	.065	.002
MAY													
31...	.61	--	56	6.5	.3	<.2	4.5	66	.09	5.54	.001	.010	.003
JUN													
06...	--	--	--	--	--	--	--	--	--	--	<.001	.014	.002
AUG													
14...	.86	99	85	7.9	.4	E.1	5.3	94	.13	1.13	<.001	.026	<.002

DATE	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)
NOV						
15...	--	E.06	<.10	<.004	<.006	<.007
JAN						
24...	--	.09	E.10	E.002	E.003	<.007
MAR						
20...	--	<.08	<.10	E.003	<.006	<.007
MAY						
31...	.13	.14	.14	.006	<.006	<.007
JUN						
06...	.13	.12	.13	.005	E.004	<.007
AUG						
14...	--	.11	E.07	E.003	<.006	<.007

E Estimated laboratory analysis value.

392511106164000 EAST FORK EAGLE RIVER NEAR RED CLIFF, CO.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
NOV										
15...	<.14	<1.3	330	<1.00	73	70.8	<.23	<2.4	<.2	<20
MAR										
20...	<.14	<1.3	240	<1.00	21	18.5	<.01	<2.4	<.2	<20
MAY										
31...	<.10	<1.0	130	<1.00	9	5.1	M	<2.0	<.2	<20
AUG										
14...	<.10	<1.0	400	<1.00	36	14.2	--	<2.0	<.2	<20

M Presence of material verified but not quantified.

09063000 EAGLE RIVER AT RED CLIFF, CO

LOCATION.--Lat 39°30'30", long 106°21'58", in NW$^1/_4$SW$^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	e14	e16	e13	e8.2	e13	e13	71	181	e43	20	13
2	13	e14	e14	e13	e9.2	e12	e14	81	179	e42	21	13
3	13	e13	e15	e11	e9.7	e12	e17	64	157	e41	20	12
4	13	e13	e15	e12	e10	e12	e18	54	120	e40	23	12
5	15	e14	e16	e12	e11	e12	e18	52	102	e39	20	12
6	15	e14	e15	e13	e10	e12	e18	48	97	e38	22	12
7	14	e14	e14	e14	e12	e12	e18	48	93	e36	28	14
8	13	e14	e16	e11	e12	e12	e16	53	90	e36	23	16
9	13	e14	e16	e10	e11	e13	e15	65	87	e38	25	15
10	13	e16	e17	e12	e11	e13	e14	71	83	e38	22	15
11	13	e15	e17	e13	e12	e12	e15	84	81	e36	20	14
12	13	e15	e15	e12	e12	e12	14	98	77	e35	18	13
13	12	e14	e15	e12	e11	e11	12	107	79	33	16	13
14	13	e16	e15	e12	e12	e11	11	113	77	33	19	14
15	12	e16	e15	e11	e12	e11	11	121	75	33	19	14
16	12	e17	e14	e11	e12	e10	13	129	70	30	17	13
17	12	e16	e14	e11	e10	e11	16	140	64	26	16	15
18	12	e14	e14	e10	e11	e11	23	141	59	25	15	16
19	12	e16	e10	e11	e12	e11	28	141	56	23	15	14
20	12	e16	e13	e11	e13	e11	29	146	e52	22	15	14
21	12	e15	e14	e10	e13	e12	24	145	e50	22	16	13
22	12	e14	e14	e11	e13	e15	22	133	e49	21	15	13
23	12	e14	e16	e9.6	e12	e16	19	133	e48	20	15	13
24	12	e14	e15	e10	e11	e17	18	141	e48	21	14	13
25	12	e14	e13	e9.6	e11	e17	21	148	e50	21	13	12
26	12	e15	e14	e9.7	e12	e19	29	159	e58	22	13	12
27	12	e16	e11	e9.4	e12	e19	36	167	e58	22	12	12
28	12	e17	e11	e9.9	e12	e16	41	179	e53	19	12	12
29	14	e17	e13	e9.7	---	e15	49	186	e48	18	12	12
30	e14	e18	e11	e9.3	---	e14	59	185	e44	16	12	12
31	e14	---	e14	e8.4	---	e13	---	185	---	17	13	---
TOTAL	396	449	442	341.6	317.1	407	651	3588	2385	906	541	398
MEAN	12.8	15.0	14.3	11.0	11.3	13.1	21.7	116	79.5	29.2	17.5	13.3
MAX	15	18	17	14	13	19	59	186	181	43	28	16
MIN	12	13	10	8.4	8.2	10	11	48	44	16	12	12
AC-FT	785	891	877	678	629	807	1290	7120	4730	1800	1070	789

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2001, BY WATER YEAR (WY)

MEAN	16.2	13.5	11.3	10.4	10.3	11.8	32.3	156	197	56.2	25.6	18.2
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1911 - 2001	
ANNUAL TOTAL	14870.4		10821.7			
ANNUAL MEAN	40.6		29.6		46.6	
HIGHEST ANNUAL MEAN					90.2	1912
LOWEST ANNUAL MEAN					16.5	1981
HIGHEST DAILY MEAN	295	May 30	186	May 29	900	Jun 5 1912
LOWEST DAILY MEAN	e9.0	Jan 6	e8.2	Feb 1	a1.0	Oct 15 1917
ANNUAL SEVEN-DAY MINIMUM	11	Jan 2	9.2	Jan 27	3.8	Jan 31 1989
MAXIMUM PEAK FLOW			198	May 30	b1010	Jun 5 1912
MAXIMUM PEAK STAGE			c3.96	May 30	d4.00	Jun 5 1912
ANNUAL RUNOFF (AC-FT)	29500		21460		33780	
10 PERCENT EXCEEDS	146		76		129	
50 PERCENT EXCEEDS	16		14		16	
90 PERCENT EXCEEDS	13		11		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, 4.01 ft, May 27, prior to channel scour during peak.
d Maximum gage height recorded, 6.43 ft, May 24, 1984.

09063000 EAGLE RIVER AT RED CLIFF, CO--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Algal community and biomass, and macroinvertebrate community data were collected and are published in the "Eagle River Watershed Synoptic Sampling" section of this report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
NOV													
15...	1220	18	233	8.3	.1	10.3	<1	<1	120	27.5	12.4	2.7	.1
JAN													
24...	0900	9.7	231	8.3	.00	11.0	<1	<1	120	27.0	11.7	2.5	.1
MAR													
20...	1410	11	219	8.2	4.5	10.8	--	--	110	25.3	11.4	2.7	.1
MAY													
31...	1100	178	134	8.2	7.4	8.9	<1	<1	69	16.0	7.17	1.3	.1
JUN													
06...	1400	94	149	8.3	11.4	8.2	<1	E1	81	18.5	8.44	1.4	.1
AUG													
14...	1200	19	234	8.5	12.5	7.5	E4	E9	120	26.6	12.0	2.3	.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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
NOV													
15...	.98	120	--	98	--	--	--	--	--	--	--	<.001	.032
JAN													
24...	1.00	128	--	105	14.4	1.5	.2	6.9	128	.17	3.34	<.001	.052
MAR													
20...	.82	127	--	104	10.9	1.7	E.1	7.2	123	.17	3.57	<.001	.020
MAY													
31...	.60	72	--	59	5.7	.7	<.2	5.8	73	.10	35.0	.001	.012
JUN													
06...	.72	84	--	69	6.1	.6	.2	5.8	83	.11	21.1	<.001	.010
AUG													
14...	.98	107	11	106	9.9	1.5	E.1	7.1	124	.17	6.32	.001	.008

DATE	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							
15...	.005	E.05	<.10	E.002	<.006	<.007	--
JAN							
24...	<.002	<.08	<.10	.005	E.003	<.007	--
MAR							
20...	<.002	<.08	<.10	.006	<.006	<.007	1.1
MAY							
31...	<.002	.13	E.10	.015	E.005	<.007	2.9
JUN							
06...	<.002	.14	E.08	.010	E.004	<.007	2.3
AUG							
14...	<.002	.09	<.10	E.002	<.006	<.007	1.4

E Estimated laboratory analysis value.

09063000 EAGLE RIVER AT RED CLIFF, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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													
15...	<.14	--	<1.3	110	--	<1.00	4	<3.2	<.23	--	<2.4	<.2	<20
MAR													
20...	<.14	--	<1.3	130	--	<1.00	5	E2.2	<.01	--	<2.4	<.2	<20
MAY													
31...	<.10	--	<1.0	220	--	<1.00	15	5.6	M	--	<2.0	<.2	E11
JUN													
06...	<.10	<.8	.4	160	30	E.06	13	5.4	M	.10	<.3	<1.0	<20
AUG													
14...	<.10	--	E1.0	120	--	<1.00	11	4.6	--	--	<2.0	<.2	<20

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
11...	0910	13	238	4.0	11...	1640	14	225	3.1
JAN					MAY				
03...	1515	29	239	.3	09...	1315	64	178	8.0
FEB									
21...	1420	13	234	1.3					

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
15...	1220	18	.1	M	.04
JAN					
24...	0900	9.7	.00	2	.06
MAR					
20...	1410	11	4.5	2	.05
MAY					
31...	1100	178	7.4	6	3.0
JUN					
06...	1400	94	11.4	6	1.5
AUG					
14...	1200	19	12.5	3	.14

M Presence of material verified but not quantified.

09063200 WEARYMAN CREEK NEAR RED CLIFF, CO

LOCATION.--Lat 39°31'20", long 106°19'23", in $SE^1/_4SW^1/_4$ 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.

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	1.7	e1.1	e1.6	e1.1	e1.5	e1.8	4.1	44	15	5.4	2.7
2	2.8	1.7	e1.1	e1.6	e1.5	e1.3	e1.7	4.6	47	14	5.0	2.6
3	2.8	e1.5	e1.1	e1.6	e1.6	e1.4	e1.6	4.4	49	14	4.7	2.6
4	2.9	e1.7	e1.1	e1.7	e1.7	e1.4	e1.6	4.2	49	13	4.8	2.5
5	3.2	e1.9	e1.2	e1.8	e1.6	e1.5	e1.6	4.2	46	12	4.8	2.5
6	3.0	e1.8	e1.2	e1.9	e1.7	e1.6	e1.6	4.0	44	12	4.6	2.6
7	2.9	e1.7	e1.3	e1.6	e1.8	e1.7	e1.5	4.0	42	12	4.5	2.8
8	2.8	e1.5	e1.3	e1.2	e1.6	e1.5	e1.3	4.4	42	11	4.4	2.8
9	2.8	e1.9	e1.2	e1.4	e1.3	e1.7	e1.3	4.9	41	12	4.2	2.8
10	2.8	e1.7	e1.2	e1.4	e1.3	e1.5	e1.3	5.5	41	11	4.0	2.8
11	2.5	e2.0	e1.3	e1.3	e1.5	e1.5	e1.2	6.5	40	10	3.8	2.7
12	2.3	e1.8	e1.4	e1.3	e1.4	e1.4	e1.2	8.3	38	9.8	3.5	2.6
13	2.2	e1.4	e1.4	e1.4	e1.5	e1.6	e1.3	10	36	9.6	3.5	2.6
14	2.2	e1.5	e1.4	e1.3	e1.6	e1.4	e1.3	12	33	9.2	3.8	2.7
15	2.2	e1.6	e1.4	e1.4	e1.5	e1.4	e1.2	13	32	8.9	3.7	2.6
16	2.1	e1.6	e1.4	e1.4	e1.4	e1.5	e1.2	14	29	8.3	3.3	2.5
17	2.0	e1.3	e1.4	e1.3	e1.6	e1.6	1.4	15	26	7.7	3.2	2.9
18	2.0	e1.5	e1.2	e1.4	e1.6	e1.5	1.6	15	24	7.5	3.1	2.8
19	2.0	e1.6	e1.4	e1.4	e1.7	e1.5	1.8	16	23	7.0	3.1	2.7
20	2.0	e1.5	e1.4	e1.5	e1.4	e1.6	1.7	16	23	6.7	3.0	2.6
21	1.9	e1.5	e1.5	e1.3	e1.4	e1.8	1.4	16	21	6.6	2.9	2.5
22	1.9	e1.4	e1.4	e1.4	e1.5	e1.8	1.6	16	21	6.3	2.9	2.5
23	1.9	e1.4	e1.5	e1.6	e1.4	e1.8	1.3	17	20	6.2	2.8	2.4
24	2.0	e1.3	e1.3	e1.5	e1.3	e1.8	1.4	18	19	5.8	2.7	2.4
25	1.9	e1.4	e1.3	e1.6	e1.2	e1.8	1.6	19	19	5.7	2.6	2.4
26	1.9	e1.3	e1.1	e1.4	e1.3	e2.1	2.0	21	20	5.9	2.6	2.3
27	1.8	e1.2	e1.3	e1.6	e1.4	e1.9	2.2	24	19	5.7	2.6	2.4
28	1.9	e1.2	e1.4	e1.4	e1.4	e1.6	2.4	28	17	5.3	2.5	2.4
29	2.0	e1.2	e1.2	e1.3	---	e1.6	2.8	33	16	5.1	2.6	2.4
30	1.8	e1.2	e1.4	e1.1	---	e1.7	3.3	36	16	5.0	2.6	2.4
31	1.7	---	e1.5	e1.0	---	e1.8	---	40	---	5.1	2.6	---
TOTAL	71.0	46.0	40.4	44.7	41.3	49.8	49.2	438.1	937	273.4	109.8	77.5
MEAN	2.29	1.53	1.30	1.44	1.48	1.61	1.64	14.1	31.2	8.82	3.54	2.58
MAX	3.2	2.0	1.5	1.9	1.8	2.1	3.3	40	49	15	5.4	2.9
MIN	1.7	1.2	1.1	1.0	1.1	1.3	1.2	4.0	16	5.0	2.5	2.3
AC-FT	141	91	80	89	82	99	98	869	1860	542	218	154

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	2.80	1.97	1.58	1.37	1.28	1.40	2.19	12.9	45.3	21.1	6.78	3.85
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	2611.0		2178.2			
ANNUAL MEAN	7.13		5.97		8.54	
HIGHEST ANNUAL MEAN					17.4	1984
LOWEST ANNUAL MEAN					3.61	1977
HIGHEST DAILY MEAN	61	Jun 2	49	Jun 3	140	Jun 20 1983
LOWEST DAILY MEAN	e1.1	Dec 1	e1.0	Jan 31	.30	Feb 21 1967
ANNUAL SEVEN-DAY MINIMUM	1.1	Nov 28	1.1	Nov 28	.40	Feb 8 1967
MAXIMUM PEAK FLOW			56	Jun 3	a155	Jun 20 1983
MAXIMUM PEAK STAGE			2.41	Jun 3	a3.61	Jun 20 1983
ANNUAL RUNOFF (AC-FT)	5180		4320		6190	
10 PERCENT EXCEEDS	17		17		25	
50 PERCENT EXCEEDS	2.7		1.9		2.4	
90 PERCENT EXCEEDS	1.4		1.3		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$^1/_4$SW$^1/_4$ 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 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	6.3	e5.4	e3.9	e3.3	e3.4	e4.0	27	e135	32	13	5.4
2	7.5	6.1	e5.4	e3.9	e3.5	e3.3	e4.2	32	e145	31	11	5.3
3	7.5	5.8	e5.5	e3.8	e3.7	e3.4	e4.3	29	e120	30	11	5.2
4	7.8	e5.9	e5.4	e3.9	e3.7	e3.4	e4.4	25	e100	28	11	5.1
5	8.2	e6.2	e5.4	e3.9	e3.7	e3.4	e4.4	22	84	27	11	5.1
6	7.8	e6.0	e5.4	e3.8	e3.6	e3.5	e4.4	20	88	26	11	5.4
7	7.5	e5.8	e5.3	e3.8	e3.7	e3.5	e4.3	19	87	25	11	6.0
8	7.5	e5.7	e5.3	e3.7	e3.6	e3.5	e4.3	20	84	24	10	6.1
9	7.3	e5.8	e5.2	e3.8	e3.5	e3.5	e4.4	25	84	25	9.9	5.9
10	7.3	e5.8	e5.1	e3.8	e3.5	e3.5	e4.3	29	86	24	9.3	5.7
11	7.3	e5.9	e5.1	e3.8	e3.5	e3.5	e4.5	36	87	22	8.4	5.4
12	7.3	e5.8	e5.0	e3.8	e3.5	e3.5	e4.8	46	79	22	7.9	5.2
13	7.3	e5.6	e5.0	e3.8	e3.5	e3.6	e5.2	55	74	22	7.7	5.4
14	7.1	e5.7	e4.9	e3.8	e3.6	e3.5	e5.6	62	72	22	8.5	5.6
15	6.9	e5.8	e4.9	e3.9	e3.5	e3.5	e6.0	71	69	21	8.4	5.3
16	6.9	e5.8	e4.8	e4.0	e3.4	e3.6	e6.4	78	57	19	7.7	5.2
17	6.8	e5.6	e4.8	e4.0	e3.4	e3.6	6.8	84	48	18	7.2	5.9
18	6.7	e5.7	e4.4	e3.9	e3.4	e3.6	7.4	85	45	18	6.9	5.5
19	6.7	e5.7	e4.4	e3.8	e3.4	e3.6	8.4	89	44	17	6.9	5.3
20	6.7	e5.5	e4.6	e3.7	e3.4	e3.7	8.7	94	42	16	6.8	5.3
21	6.6	e5.5	e4.5	e3.7	e3.4	e3.9	8.0	91	41	16	6.6	5.1
22	6.5	e5.5	e4.5	e3.7	e3.4	e4.1	8.0	78	40	15	6.7	5.0
23	6.5	e5.5	e4.5	e3.7	e3.3	e4.1	7.6	75	38	14	6.6	4.8
24	6.6	e5.5	e4.2	e3.7	e3.3	e4.1	7.5	81	37	14	6.2	4.7
25	6.5	e5.6	e3.9	e3.7	e3.3	e4.1	8.0	92	39	13	5.9	4.8
26	6.4	e5.5	e3.8	e3.7	e3.3	e4.3	9.3	104	40	14	5.7	4.9
27	6.4	e5.5	e3.9	e3.7	e3.3	e4.2	12	110	40	13	5.4	4.8
28	6.6	e5.4	e3.9	e3.7	e3.3	e3.9	13	113	41	12	5.2	4.8
29	6.8	e5.5	e3.9	e3.6	---	e3.9	17	e117	37	11	5.2	4.8
30	6.4	e5.5	e3.9	e3.5	---	e3.8	21	e125	34	11	5.3	4.8
31	6.3	---	e3.9	e3.3	---	e3.9	---	e130	---	11	5.6	---
TOTAL	217.2	171.5	146.2	116.8	97.0	114.4	218.2	2064	2017	613	249.0	157.8
MEAN	7.01	5.72	4.72	3.77	3.46	3.69	7.27	66.6	67.2	19.8	8.03	5.26
MAX	8.2	6.3	5.5	4.0	3.7	4.3	21	130	145	32	13	6.1
MIN	6.3	5.4	3.8	3.3	3.3	3.3	4.0	19	34	11	5.2	4.7
AC-FT	431	340	290	232	192	227	433	4090	4000	1220	494	313

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	6.21	4.64	3.69	3.23	3.04	3.56	7.68	48.3	119	47.0	14.1	8.04
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	7055.6		6182.1			
ANNUAL MEAN	19.3		16.9		22.4	
HIGHEST ANNUAL MEAN					49.4	1984
LOWEST ANNUAL MEAN					9.46	1977
HIGHEST DAILY MEAN	229	Jun 1	e145	Jun 2	415	Jun 17 1965
LOWEST DAILY MEAN	e3.5	Mar 16	e3.3	Jan 31	a1.0	Jan 21 1964
ANNUAL SEVEN-DAY MINIMUM	3.6	Mar 12	3.3	Feb 22	1.0	Jan 21 1964
MAXIMUM PEAK FLOW			unknown		b556	Jun 8 1985
MAXIMUM PEAK STAGE			unknown		c2.87	Jun 8 1985
ANNUAL RUNOFF (AC-FT)	13990		12260		16210	
10 PERCENT EXCEEDS	51		47		69	
50 PERCENT EXCEEDS	7.3		5.7		5.9	
90 PERCENT EXCEEDS	4.1		3.5		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	2.0	e1.8	e.93	e.51	e.61	e1.7	17	e21	6.8	11	3.0
2	5.6	2.0	e1.8	e.76	e.51	e.57	e1.9	9.4	e27	6.6	12	2.6
3	5.1	e2.2	e1.7	e.76	e.61	e.54	e2.0	8.0	e21	6.4	9.4	2.4
4	5.3	e2.2	e1.6	e.80	e.61	e.57	e2.7	7.2	e17	6.5	8.0	2.3
5	6.6	e2.2	e1.7	e.84	e.59	e.65	e2.9	5.8	e14	6.3	9.4	2.0
6	6.0	e2.2	e1.6	e.93	e.61	e.61	e3.0	5.5	e15	6.3	14	2.2
7	5.3	e2.3	e1.6	e.93	e.66	e.66	e2.5	5.7	e21	6.1	12	3.4
8	4.9	e2.3	e1.6	e.78	e.68	e.68	e2.2	6.7	e24	6.1	14	4.1
9	4.6	e2.3	e1.5	e.74	e.63	e.76	e2.4	8.4	e21	6.2	17	4.0
10	4.2	e2.3	e1.5	e.70	e.67	e.76	e2.1	10	23	6.2	13	3.8
11	4.0	e2.3	e1.4	e.70	e.63	e.83	e2.1	12	23	5.9	10	3.3
12	3.6	e2.2	e1.4	e.70	e.67	e.80	e1.9	16	13	6.0	8.0	2.9
13	3.4	e1.9	e1.4	e.70	e.65	e.83	e1.7	22	8.8	10	7.1	3.0
14	3.2	e2.0	e1.4	e.66	e.53	e.83	e2.1	21	7.6	21	9.0	4.4
15	3.2	e2.2	e1.4	e.70	e.47	e.87	e2.3	25	7.5	27	12	3.9
16	3.0	e2.0	e1.3	e.70	e.47	e.87	e3.0	26	7.4	23	8.4	3.2
17	2.7	e2.0	e1.2	e.70	e.47	e.80	e4.7	22	8.1	17	6.6	7.7
18	2.6	e2.0	e1.2	e.70	e.54	e.83	e8.8	20	8.6	13	5.7	8.0
19	2.4	e2.1	e1.3	e.70	e.54	e.83	e6.6	19	9.3	13	5.2	5.9
20	2.3	e2.1	e1.3	e.66	e.63	e1.0	e5.3	20	8.5	12	5.1	4.9
21	2.2	e2.2	e1.4	e.66	e.63	e1.2	e4.6	17	8.3	11	6.3	4.2
22	2.1	e2.1	e1.3	e.66	e.64	e1.3	e4.3	12	7.8	10	5.2	3.8
23	2.0	e2.1	e1.2	e.66	e.54	e1.2	e3.7	15	7.3	9.4	4.5	3.5
24	2.2	e2.1	e1.0	e.64	e.46	e1.3	e2.6	e15	7.7	8.7	4.0	3.1
25	2.3	e2.1	e1.0	e.61	e.56	e1.3	e3.2	e16	27	8.1	3.6	2.9
26	2.4	e1.9	e.84	e.59	e.57	e1.5	3.9	e18	36	9.6	3.3	2.6
27	2.1	e1.9	e.80	e.59	e.57	e2.0	6.6	e21	13	9.2	2.9	2.4
28	2.1	e1.8	e.97	e.59	e.56	e2.4	10	e25	7.7	7.6	2.6	2.2
29	2.6	e1.8	e1.0	e.59	---	e1.6	13	e20	7.1	6.9	2.5	2.1
30	2.9	e1.8	e1.1	e.59	---	e1.5	18	e16	6.9	6.4	2.4	2.0
31	2.2	---	e1.1	e.48	---	e1.6	---	e15	---	7.4	2.7	---
TOTAL	109.7	62.6	41.41	21.75	16.21	31.80	131.8	476.7	434.6	305.7	236.9	105.8
MEAN	3.54	2.09	1.34	.70	.58	1.03	4.39	15.4	14.5	9.86	7.64	3.53
MAX	6.6	2.3	1.8	.93	.68	2.4	18	26	36	27	17	8.0
MIN	2.0	1.8	.80	.48	.46	.54	1.7	5.5	6.9	5.9	2.4	2.0
AC-FT	218	124	82	43	32	63	261	946	862	606	470	210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2001, BY WATER YEAR (WY)

MEAN	3.28	1.85	1.13	.81	.70	.83	2.71	15.4	31.7	20.3	9.21	4.90
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1972 - 2001	
ANNUAL TOTAL	2837.79		1974.97			
ANNUAL MEAN	7.75		5.41		7.76	
HIGHEST ANNUAL MEAN					20.6	1984
LOWEST ANNUAL MEAN					4.35	1977
HIGHEST DAILY MEAN	98	May 29	36	Jun 26	172	Jul 10 1984
LOWEST DAILY MEAN	e.56	Jan 7	e.46	Feb 24	a.24	Feb 12 1977
ANNUAL SEVEN-DAY MINIMUM	.62	Jan 2	.52	Feb 14	.25	Feb 7 1977
MAXIMUM PEAK FLOW			73	Jun 25	b300	Jul 4 1975
MAXIMUM PEAK STAGE			2.68	Jun 25	c3.19	Jul 4 1975
ANNUAL RUNOFF (AC-FT)	5630		3920		5620	
10 PERCENT EXCEEDS	21		15		19	
50 PERCENT EXCEEDS	2.8		2.5		2.3	
90 PERCENT EXCEEDS	.64		.65		.56	

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	8.1	e5.8	e5.0	e3.6	e3.9	e4.5	88	74	32	27	11
2	15	8.2	e5.2	e4.8	e3.8	e3.8	e4.9	63	83	30	34	11
3	14	8.0	e5.6	e4.6	e3.9	e3.8	e5.6	47	72	29	27	9.9
4	14	7.1	e6.0	e4.8	e4.1	e3.7	e6.0	37	51	27	24	8.7
5	17	6.2	e5.5	e4.8	e4.2	e3.6	e6.2	33	41	26	23	7.7
6	17	5.9	e5.1	e5.0	e4.3	e3.6	e6.2	28	44	25	33	7.8
7	15	6.5	e5.1	e5.1	e4.5	e3.7	e6.0	28	62	24	35	11
8	15	7.5	e5.4	e4.7	e4.2	e3.8	e5.8	36	64	22	57	14
9	14	7.4	e5.6	e4.7	e3.9	e4.1	e5.8	50	54	24	60	14
10	13	e7.6	e5.6	e5.2	e3.8	e4.0	e6.2	54	52	26	47	14
11	13	e7.8	e5.4	e5.4	e4.1	e3.9	e7.0	58	52	23	41	13
12	11	e7.2	e5.4	e5.0	e4.0	e3.8	e7.1	66	39	21	33	11
13	11	e6.5	e5.8	e5.0	e4.1	e3.8	7.0	83	34	30	28	10
14	11	e6.2	e5.6	e5.0	e3.9	e3.7	6.3	91	31	52	32	14
15	10	e7.2	e5.2	e4.9	e3.8	e3.3	5.7	95	29	63	42	13
16	9.4	e7.2	e4.9	e5.0	e3.6	e3.4	9.0	108	27	55	33	11
17	9.0	e6.4	e5.0	e4.7	e3.8	e3.5	15	95	25	43	26	17
18	8.6	e6.8	e5.2	e4.9	e3.9	e3.5	26	79	26	35	22	23
19	8.3	e7.2	e4.4	e5.2	e3.9	e3.4	27	72	27	31	20	18
20	8.2	e6.8	e5.0	e5.0	e3.9	e3.6	27	72	28	30	19	15
21	8.2	e6.6	e5.4	e5.0	e3.8	e4.2	21	62	27	28	22	13
22	8.2	e6.1	e5.6	e5.2	e3.8	e4.3	20	48	27	26	20	12
23	8.2	e6.0	e5.4	e4.9	e3.7	e4.3	17	49	26	23	18	11
24	8.2	e6.1	e5.4	e5.1	e3.7	e4.4	15	54	25	23	15	11
25	8.2	e6.4	e5.0	e4.8	e3.6	e4.5	18	59	67	25	14	9.8
26	7.9	e6.6	e4.4	e4.5	e3.6	e4.6	28	63	115	27	13	9.1
27	7.7	e6.8	e4.3	e4.2	e3.7	e4.7	44	68	57	25	12	8.9
28	7.8	e6.5	e4.5	e4.3	e3.8	e4.8	55	78	40	21	10	8.0
29	8.7	e6.8	e4.7	e4.3	---	e4.4	75	70	37	18	9.3	7.8
30	8.9	e6.8	e4.7	e4.0	---	e4.2	94	63	34	16	9.3	7.7
31	8.1	---	e5.3	e3.7	---	e4.3	---	62	---	17	9.8	---
TOTAL	339.6	206.5	161.5	148.8	109.0	122.6	581.3	1959	1370	897	815.4	352.4
MEAN	11.0	6.88	5.21	4.80	3.89	3.95	19.4	63.2	45.7	28.9	26.3	11.7
MAX	17	8.2	6.0	5.4	4.5	4.8	94	108	115	63	60	23
MIN	7.7	5.9	4.3	3.7	3.6	3.3	4.5	28	25	16	9.3	7.7
AC-FT	674	410	320	295	216	243	1150	3890	2720	1780	1620	699

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2001, BY WATER YEAR (WY)

MEAN	13.9	9.72	7.27	6.01	5.61	6.51	15.1	66.4	98.7	61.3	32.2	16.9
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1973 - 2001	
ANNUAL TOTAL	11071.8		7063.1			
ANNUAL MEAN	30.3		19.4		a28.4	
HIGHEST ANNUAL MEAN					79.2	1984
LOWEST ANNUAL MEAN					15.3	1977
HIGHEST DAILY MEAN	353	Jun 20	115	Jun 26	b602	Jun 30 1984
LOWEST DAILY MEAN	e4.0	Jan 6	e3.3	Mar 15	1.8	Feb 5 1976
ANNUAL SEVEN-DAY MINIMUM	4.4	Feb 20	3.5	Mar 14	1.9	Jan 31 1976
MAXIMUM PEAK FLOW			196	Jun 25	c930	Jun 30 1984
MAXIMUM PEAK STAGE			4.89	Jun 25	d6.21	Jun 30 1984
ANNUAL RUNOFF (AC-FT)	21960		14010		20580	
10 PERCENT EXCEEDS	81		54		64	
50 PERCENT EXCEEDS	10		8.6		12	
90 PERCENT EXCEEDS	4.5		3.9		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	12	e8.2	e6.8	e6.2	e6.8	e9.2	165	103	43	32	17
2	16	e11	e8.8	e7.0	e6.6	e6.6	e9.8	146	125	41	43	14
3	13	e11	e9.6	e7.4	e6.8	e6.4	e11	102	116	37	36	11
4	16	e11	e9.4	e7.6	e7.0	e5.8	e13	82	94	36	32	11
5	27	e12	e8.6	e7.8	e7.2	e5.6	e14	81	74	35	28	11
6	28	e11	e8.4	e8.0	e7.6	e5.8	e13	76	71	34	40	11
7	24	e11	e8.8	e7.6	e7.4	e6.0	e13	73	86	32	46	17
8	22	e12	e9.2	e7.0	e7.2	e6.4	e12	77	96	37	64	23
9	20	e12	e9.4	e7.0	e6.4	e6.8	e11	97	87	39	79	22
10	19	e14	e8.8	e7.6	e6.3	e6.8	e13	107	77	40	58	21
11	17	e12	e8.4	e7.2	e6.8	e6.5	e15	114	81	33	50	18
12	15	e11	e8.8	e7.6	e6.8	e6.3	e16	127	71	32	41	15
13	13	e10	e9.2	e7.6	e6.8	e6.0	e19	147	64	37	35	14
14	12	e9.2	e9.0	e7.0	e7.0	e5.8	e17	167	58	58	41	19
15	9.6	e10	e8.5	e7.5	e6.4	e5.9	e15	156	53	66	51	19
16	9.2	e12	e7.8	e7.4	e5.8	e6.2	e21	182	51	65	42	16
17	9.3	e10	e8.4	e7.0	e6.0	e6.4	e36	174	46	49	34	20
18	10	e9.6	e6.2	e7.4	e6.2	e6.0	56	152	43	41	28	29
19	9.0	e12	e6.6	e7.8	e6.4	e6.2	71	138	44	39	26	24
20	7.8	e11	e8.6	e7.4	e6.7	e6.8	68	139	46	37	25	20
21	7.0	e10	e9.0	e7.8	e6.8	e8.2	51	128	45	34	29	18
22	6.9	e10	e9.4	e7.4	e7.0	e8.8	46	97	44	32	26	16
23	7.0	e9.7	e9.0	e7.8	e6.8	e9.0	46	95	43	30	24	14
24	9.8	e9.8	e8.8	e7.3	e6.6	e9.4	46	103	41	28	21	12
25	11	e10	e8.0	e7.7	e6.4	e9.8	56	108	54	31	18	11
26	9.5	e11	e6.8	e7.4	e6.3	e10	74	114	129	35	15	8.6
27	5.2	e11	e7.0	e7.2	e6.5	e9.6	90	108	76	34	13	9.1
28	9.3	e10	e7.4	e7.0	e6.7	e8.6	108	126	53	28	12	9.1
29	e12	e11	e7.0	e6.8	---	e8.3	127	122	48	24	12	9.1
30	e11	e9.6	e7.4	e6.4	---	e8.0	151	104	45	22	13	9.0
31	e11	---	e8.0	e6.0	---	e8.2	---	106	---	22	14	---
TOTAL	417.6	325.9	258.5	226.5	186.7	223.0	1248.0	3713	2064	1151	1028	467.9
MEAN	13.5	10.9	8.34	7.31	6.67	7.19	41.6	120	68.8	37.1	33.2	15.6
MAX	28	14	9.6	8.0	7.6	10	151	182	129	66	79	29
MIN	5.2	9.2	6.2	6.0	5.8	5.6	9.2	73	41	22	12	8.6
AC-FT	828	646	513	449	370	442	2480	7360	4090	2280	2040	928

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2001, BY WATER YEAR (WY)

MEAN	19.0	13.5	10.3	8.59	8.38	10.7	36.3	128	147	74.3	37.8	22.5
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1967 - 2001	
ANNUAL TOTAL	16845.5		11310.1			
ANNUAL MEAN	46.0		31.0		a43.2	
HIGHEST ANNUAL MEAN					116	1984
LOWEST ANNUAL MEAN					20.3	1977
HIGHEST DAILY MEAN	431	May 30	182	May 16	831	May 25 1984
LOWEST DAILY MEAN	e4.2	Jan 6	5.2	Oct 27	b1.8	Sep 2 1990
ANNUAL SEVEN-DAY MINIMUM	4.8	Jan 2	6.1	Mar 13	2.1	Aug 29 1990
MAXIMUM PEAK FLOW			240	May 16	c943	May 24 1984
MAXIMUM PEAK STAGE			2.90	May 16	3.96	May 24 1984
ANNUAL RUNOFF (AC-FT)	33410		22430		31280	
10 PERCENT EXCEEDS	157		88		117	
50 PERCENT EXCEEDS	12		12		17	
90 PERCENT EXCEEDS	5.2		6.8		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e49	e36	e32	e28	e29	e32	e36	314	473	151	58	e45
2	e46	e35	e33	e27	e30	e33	e41	341	513	142	83	e43
3	e42	e31	e34	e26	e31	e30	e47	284	505	133	74	e41
4	e45	e34	e34	e28	e32	e30	e56	221	464	125	76	e39
5	e59	e40	e32	e29	e32	e27	e56	206	402	119	65	e38
6	e57	e38	e31	e30	e33	e29	e54	189	373	115	72	e42
7	e50	e36	e30	e29	e33	e30	e50	178	380	113	86	e50
8	e47	e38	e31	e28	e32	e30	e47	185	390	112	121	e55
9	e45	e40	e32	e27	e31	e32	e46	229	378	135	139	e54
10	e43	e39	e32	e29	e30	e34	e44	264	354	140	116	e50
11	e42	e39	e30	e31	e32	e30	e42	294	350	120	92	e46
12	e40	e35	e30	e32	e33	e29	42	339	328	109	78	e43
13	e38	e28	e32	e31	e33	e30	40	401	305	119	65	e48
14	e37	e26	e31	e31	e33	e29	39	448	295	136	64	e52
15	e37	e36	e30	e30	e32	e28	36	449	267	145	84	e47
16	e35	e39	e29	e31	e31	e29	49	513	254	160	77	e52
17	e35	e36	e30	e30	e30	e31	69	535	228	125	64	e58
18	e35	e36	e28	e29	e32	e28	105	517	214	108	56	e56
19	e35	e37	e27	e31	e33	e28	145	487	208	99	52	e50
20	e35	e38	e29	e33	e33	e28	160	491	205	94	52	e44
21	e31	e36	e31	e32	e33	e32	120	487	199	87	56	e42
22	e30	e37	e31	e31	e34	e36	108	410	191	83	60	e41
23	e27	e35	e31	e32	e33	e38	97	378	183	77	62	e41
24	e30	e35	e30	e30	e32	e37	92	403	173	76	53	e39
25	e34	e35	e30	e30	e31	e41	113	426	175	e78	51	e38
26	e30	e36	e29	e29	e31	e43	146	457	253	e79	50	e37
27	e29	e37	e27	e28	e31	e42	194	453	248	e76	e48	e36
28	e33	e37	e28	e28	e32	e38	213	504	194	e71	e42	e35
29	e44	e37	e29	e27	---	e39	228	507	172	e63	e43	e34
30	e36	e38	e29	e27	---	e37	275	476	160	e58	e45	e34
31	e37	---	e30	e28	---	e35	---	482	---	e56	e46	---
TOTAL	1213	1080	942	912	892	1015	2790	11868	8834	3304	2130	1330
MEAN	39.1	36.0	30.4	29.4	31.9	32.7	93.0	383	294	107	68.7	44.3
MAX	59	40	34	33	34	43	275	535	513	160	139	58
MIN	27	26	27	26	29	27	36	178	160	56	42	34
AC-FT	2410	2140	1870	1810	1770	2010	5530	23540	17520	6550	4220	2640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2001, BY WATER YEAR (WY)

MEAN	46.2	38.8	31.3	28.5	28.2	33.8	92.1	413	534	203	88.3	55.9
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1990 - 2001	
ANNUAL TOTAL	48639		36310			
ANNUAL MEAN	133		99.5		133	
HIGHEST ANNUAL MEAN					197	1995
LOWEST ANNUAL MEAN					87.9	1990
HIGHEST DAILY MEAN	1030	May 30	535	May 17	1540	Jun 18 1995
LOWEST DAILY MEAN	e26	Nov 14	e26	Nov 14	11	Dec 9 1994
ANNUAL SEVEN-DAY MINIMUM	29	Dec 24	28	Jan 26	16	Jan 4 1990
MAXIMUM PEAK FLOW			586	May 17	1810	Jun 18 1995
MAXIMUM PEAK STAGE			4.85	May 17	6.75	Jun 18 1995
ANNUAL RUNOFF (AC-FT)	96480		72020		96390	
10 PERCENT EXCEEDS	418		294		381	
50 PERCENT EXCEEDS	44		41		48	
90 PERCENT EXCEEDS	30		29		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	9.2	e6.2	e4.4	e3.8	e5.1	e8.0	99	258	118	30	16
2	20	e9.8	e6.2	e4.3	e4.0	e5.1	e10	119	331	101	48	15
3	18	e9.4	e6.2	e4.4	e3.7	e4.6	e12	81	295	85	39	13
4	20	e9.9	e6.2	e4.0	e3.7	e4.0	e15	60	228	87	36	13
5	30	e11	e6.2	e4.0	e4.1	e3.9	e23	54	159	78	30	12
6	30	e10	e5.9	e4.0	e4.3	e4.0	e24	47	185	75	55	13
7	26	e9.1	e5.9	e4.0	e4.4	e4.6	e20	46	264	72	47	16
8	23	e9.1	e5.9	e4.5	e3.9	e4.6	e17	54	285	75	61	20
9	20	e9.1	e5.9	e4.5	e3.6	e5.2	e14	81	275	77	62	20
10	19	e9.1	e5.4	e4.4	e3.4	e5.4	e14	97	236	77	58	19
11	18	e9.1	e5.9	e4.1	e3.1	e4.8	e11	117	275	65	47	16
12	17	e9.1	e5.9	e4.1	e2.9	e4.8	e11	153	247	60	38	14
13	16	e6.7	e5.9	e4.1	e2.8	e4.6	11	212	186	77	32	14
14	15	e7.1	e5.9	e4.0	e2.8	e4.2	10	258	117	70	34	24
15	13	e7.2	e5.9	e3.8	e2.9	e4.2	9.6	234	86	74	53	26
16	13	e7.2	e5.9	e3.4	e3.0	e4.3	11	277	93	76	44	21
17	12	e6.9	e5.9	e3.1	e3.1	e4.3	15	247	107	55	34	24
18	12	e7.2	e5.9	e3.0	e3.1	e4.2	23	202	135	46	29	34
19	11	e7.2	e5.9	e3.1	e3.0	e4.2	32	198	152	42	26	27
20	11	e6.9	e6.4	e3.1	e3.0	e4.2	33	216	165	39	26	22
21	10	e6.9	e5.9	e3.1	e3.2	e4.8	25	193	165	36	27	19
22	9.8	e6.9	e5.9	e3.4	e3.2	e5.9	24	121	164	34	28	16
23	9.5	e6.9	e5.9	e3.7	e3.4	e7.6	25	129	146	31	29	15
24	9.7	e6.6	e5.9	e3.7	e3.7	e7.8	18	190	140	29	24	14
25	10	e6.8	e5.9	e3.7	e3.8	e8.5	21	223	164	28	20	13
26	9.2	e6.5	e5.9	e3.8	e3.9	e9.9	32	238	189	31	18	13
27	8.9	e6.5	e4.4	e3.8	e4.6	e10	50	197	304	35	16	12
28	9.2	e6.5	e4.4	e3.9	e4.8	e8.9	64	246	154	29	15	11
29	10	e6.5	e4.4	e3.9	---	e9.0	72	239	140	25	14	11
30	9.6	e6.5	e4.4	e3.7	---	e7.7	84	232	128	23	14	11
31	9.4	---	e4.4	e3.4	---	e7.2	---	259	---	24	15	---
TOTAL	473.3	236.9	176.9	118.4	99.2	177.6	738.6	5119	5773	1774	1049	514
MEAN	15.3	7.90	5.71	3.82	3.54	5.73	24.6	165	192	57.2	33.8	17.1
MAX	30	11	6.4	4.5	4.8	10	84	277	331	118	62	34
MIN	8.9	6.5	4.4	3.0	2.8	3.9	8.0	46	86	23	14	11
AC-FT	939	470	351	235	197	352	1470	10150	11450	3520	2080	1020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2001, BY WATER YEAR (WY)

MEAN	13.7	7.21	4.31	3.15	3.03	4.19	21.4	124	251	132	44.5	22.4
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1957 - 2001	
ANNUAL TOTAL	18291.4		16249.9			
ANNUAL MEAN	50.0		44.5		52.7	
HIGHEST ANNUAL MEAN					83.2	1984
LOWEST ANNUAL MEAN					25.4	1977
HIGHEST DAILY MEAN	546	May 30	331	Jun 2	618	Jun 30 1957
LOWEST DAILY MEAN	e3.0	Jan 6	e2.8	Feb 13	a.10	Dec 27 1962
ANNUAL SEVEN-DAY MINIMUM	3.4	Jan 1	2.9	Feb 11	.13	Dec 26 1962
MAXIMUM PEAK FLOW			454	Jun 27	754	Jun 30 1957
MAXIMUM PEAK STAGE			4.51	Jun 27	b5.45	Jun 30 1957
ANNUAL RUNOFF (AC-FT)	36280		32230		38150	
10 PERCENT EXCEEDS	143		156		177	
50 PERCENT EXCEEDS	14		13		11	
90 PERCENT EXCEEDS	4.3		3.9		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 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	e4.5	e2.7	e3.3	e1.9	e2.2	e4.8	69	176	65	16	6.7
2	7.1	e5.0	e3.7	e2.8	e2.4	e2.2	e5.7	67	182	58	18	6.7
3	6.6	e4.2	e3.8	e2.8	e2.4	e2.2	e6.7	45	173	51	18	6.1
4	7.5	e4.9	e3.1	e2.8	e2.4	e2.2	8.5	33	137	49	17	5.7
5	9.1	e5.2	e3.1	e2.8	e2.4	e2.2	10	29	111	47	16	5.4
6	8.1	e4.4	e3.2	e2.8	e2.4	e2.2	7.9	25	139	47	18	5.7
7	7.1	e4.4	e3.2	e2.5	e2.4	e2.2	7.0	25	172	46	30	8.4
8	6.7	e4.4	e3.2	e2.2	e2.4	e2.2	6.4	35	174	43	24	9.1
9	6.3	e3.9	e3.9	e3.0	e2.0	e3.0	6.3	53	146	39	20	9.2
10	6.3	e4.9	e3.9	e3.1	e2.0	e3.0	6.6	64	148	37	18	9.4
11	6.1	e4.5	e3.2	e3.1	e2.0	e2.2	6.7	80	155	36	17	8.1
12	5.8	e3.9	e3.9	e3.1	e2.0	e2.2	6.0	100	131	35	13	7.4
13	5.5	e3.9	e4.6	e3.1	e2.0	e3.0	5.8	122	104	34	12	7.5
14	5.5	e3.9	e4.6	e3.0	e2.0	e2.2	5.7	132	74	32	16	9.1
15	5.2	e3.9	e4.6	e3.0	e2.1	e1.7	5.8	136	66	36	18	7.9
16	5.1	e3.9	e3.8	e3.0	e1.8	e3.8	7.4	136	67	31	17	7.3
17	5.0	e3.9	e4.4	e2.0	e2.3	e3.7	11	128	78	27	14	10
18	4.8	e3.9	e3.9	e2.8	e2.3	e2.4	17	114	88	23	13	10
19	4.7	e4.7	e3.9	e1.7	e2.3	e2.4	22	126	95	22	12	8.9
20	4.7	e4.1	e4.7	e1.7	e2.4	e2.8	20	125	95	21	12	7.8
21	4.7	e4.2	e3.9	e1.7	e1.9	e3.5	15	102	91	20	12	7.2
22	4.6	e4.1	e3.9	e1.7	e2.0	e5.5	12	77	85	19	11	6.8
23	4.6	e4.1	e3.9	e1.9	e2.1	e5.7	10	90	78	18	11	6.6
24	4.8	e3.6	e3.4	e1.9	e2.1	e5.7	10	115	86	17	9.8	6.1
25	4.8	e3.5	e3.4	e1.9	e2.1	e7.7	14	125	97	16	8.7	5.8
26	4.4	e3.0	e2.8	e1.9	e2.2	e7.7	23	137	92	17	7.7	5.5
27	4.5	e3.0	e4.0	e1.9	e2.2	e7.0	35	161	93	17	7.1	5.4
28	4.8	e3.8	e4.0	e1.9	e1.5	e6.3	44	163	79	15	6.7	5.2
29	5.5	e3.2	e3.0	e1.9	---	e5.5	52	142	71	14	6.7	5.1
30	5.2	e3.8	e3.0	e1.9	---	e4.8	56	149	68	13	6.6	5.0
31	4.7	---	e3.7	e1.9	---	e4.2	---	158	---	14	7.0	---
TOTAL	177.5	122.7	114.4	75.1	60.0	113.6	448.3	3063	3351	959	433.3	215.1
MEAN	5.73	4.09	3.69	2.42	2.14	3.66	14.9	98.8	112	30.9	14.0	7.17
MAX	9.1	5.2	4.7	3.3	2.4	7.7	56	163	182	65	30	10
MIN	4.4	3.0	2.7	1.7	1.5	1.7	4.8	25	66	13	6.6	5.0
AC-FT	352	243	227	149	119	225	889	6080	6650	1900	859	427

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2001, BY WATER YEAR (WY)

MEAN	7.52	4.96	3.69	3.15	3.04	3.71	11.7	69.8	154	69.6	20.5	9.57
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1948 - 2001	
ANNUAL TOTAL	11049.5		9133.0			
ANNUAL MEAN	30.2		25.0		30.1	
HIGHEST ANNUAL MEAN					48.3	1983
LOWEST ANNUAL MEAN					17.4	1954
HIGHEST DAILY MEAN	309	May 30	182	Jun 2	455	Jun 25 1983
LOWEST DAILY MEAN	e2.6	Jan 31	e1.5	Feb 28	1.2	Mar 5 1977
ANNUAL SEVEN-DAY MINIMUM	e2.9	Jan 4	e1.8	Jan 19	1.3	Feb 27 1977
MAXIMUM PEAK FLOW			266	Jun 1	a662	Jun 24 1983
MAXIMUM PEAK STAGE			3.43	Jun 1	b2.60	Jun 24 1983
ANNUAL RUNOFF (AC-FT)	21920		18120		21810	
10 PERCENT EXCEEDS	98		91		100	
50 PERCENT EXCEEDS	6.5		6.1		7.0	
90 PERCENT EXCEEDS	3.4		2.2		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	2.1	e2.6	e2.5	e3.6	e2.6	e2.7	23	104	16	6.8	e3.7
2	2.8	e2.4	e2.6	e2.5	e3.7	e2.5	e2.7	23	106	15	6.5	e3.8
3	2.8	e2.4	e2.6	e2.4	e3.7	e2.5	e2.8	18	101	14	5.6	e3.8
4	3.4	e2.5	e2.5	e2.4	e3.8	e2.5	e2.8	15	86	13	5.5	e3.9
5	3.9	e2.5	e2.5	e2.4	e3.9	e2.6	e2.8	14	74	12	5.5	e3.9
6	3.4	e2.5	e2.5	e2.4	e3.8	e2.5	e2.7	13	71	12	6.7	e4.0
7	3.1	e2.5	e2.5	e2.4	e3.7	e2.5	e2.6	14	69	12	8.5	e4.1
8	3.0	e2.5	e2.5	e2.4	e3.6	e2.6	e2.6	18	66	11	8.4	e4.1
9	2.9	e2.5	e2.5	e2.4	e3.5	e2.6	e2.6	22	61	12	6.9	e4.0
10	2.8	e2.6	e2.5	e2.4	e3.5	e2.6	e2.5	27	56	12	6.1	e4.0
11	2.7	e2.7	e2.6	e2.4	e3.4	e2.7	e2.5	35	51	11	5.5	e3.9
12	2.7	e2.7	e2.5	e2.4	e3.3	e2.6	e2.4	40	47	11	5.0	e4.0
13	2.6	e2.7	e2.5	e2.4	e3.2	e2.6	e2.6	49	47	11	4.8	e4.1
14	2.6	e2.7	e2.5	e2.5	e3.2	e2.5	e2.8	60	42	11	5.9	e4.0
15	2.5	e2.6	e2.5	e2.6	e3.1	e2.5	e3.1	78	41	11	6.2	e3.9
16	2.5	e2.6	e2.5	e2.7	e3.1	e2.5	e3.5	88	37	9.7	5.9	e4.0
17	4.1	e2.6	e2.5	e2.8	e3.0	e2.6	5.8	83	34	8.7	5.3	e3.9
18	8.1	e2.5	e2.5	e2.8	e3.0	e2.6	8.2	87	31	8.3	4.8	e4.0
19	5.4	e2.6	e2.5	e2.9	e2.9	e2.5	9.3	93	30	7.7	4.6	3.7
20	2.6	e2.6	e2.6	e3.0	e2.8	e2.5	8.3	95	28	7.4	4.6	3.5
21	2.4	e2.6	e2.6	e3.1	e2.7	e2.5	6.5	83	26	7.1	4.6	3.3
22	2.4	e2.6	e2.6	e3.1	e2.7	e2.6	5.9	66	25	6.7	4.6	3.1
23	2.3	e2.6	e2.6	e3.2	e2.6	e2.5	5.4	71	24	6.7	4.2	3.0
24	2.5	e2.6	e2.6	e3.2	e2.6	e2.5	5.8	84	23	6.4	4.0	3.0
25	2.5	e2.6	e2.6	e3.2	e2.5	e2.5	7.2	93	22	6.0	3.9	3.0
26	2.3	e2.6	e2.6	e3.2	e2.6	e2.5	10	100	23	6.8	3.8	2.9
27	2.3	e2.6	e2.6	e3.3	e2.6	e2.6	12	112	22	6.3	3.6	3.0
28	2.5	e2.6	e2.6	e3.3	e2.7	e2.6	14	113	19	5.6	3.5	3.0
29	2.8	e2.6	e2.5	e3.4	---	e2.7	16	107	18	5.3	3.5	2.9
30	2.5	e2.6	e2.5	e3.4	---	e2.7	19	106	17	5.1	3.6	2.9
31	2.3	---	e2.5	e3.5	---	e2.7	---	102	---	5.4	3.7	---
TOTAL	93.6	76.8	78.8	86.6	88.8	79.5	177.1	1932	1401	293.2	162.1	108.4
MEAN	3.02	2.56	2.54	2.79	3.17	2.56	5.90	62.3	46.7	9.46	5.23	3.61
MAX	8.1	2.7	2.6	3.5	3.9	2.7	19	113	106	16	8.5	4.1
MIN	2.3	2.1	2.5	2.4	2.5	2.5	2.4	13	17	5.1	3.5	2.9
AC-FT	186	152	156	172	176	158	351	3830	2780	582	322	215

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2001, BY WATER YEAR (WY)

MEAN	3.89	3.40	2.86	2.54	2.44	2.99	7.49	55.8	90.6	22.0	7.23	4.34
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1948 - 2001	
ANNUAL TOTAL	6097.4		4577.9			
ANNUAL MEAN	16.7		12.5		17.1	
HIGHEST ANNUAL MEAN					30.3	1984
LOWEST ANNUAL MEAN					8.16	1954
HIGHEST DAILY MEAN	212	May 30	113	May 28	274	Jun 17 1995
LOWEST DAILY MEAN	e2.1	Jan 30	2.1	Nov 1	.90	Feb 22 1968
ANNUAL SEVEN-DAY MINIMUM	2.4	Oct 21	2.4	Oct 21	.90	Feb 4 1979
MAXIMUM PEAK FLOW			147	May 27	370	Jun 17 1995
MAXIMUM PEAK STAGE			4.40	May 27	a5.06	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	12090		9080		12410	
10 PERCENT EXCEEDS	53		36		53	
50 PERCENT EXCEEDS	3.8		3.2		3.9	
90 PERCENT EXCEEDS	2.5		2.5		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 N1/2 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	e1.6	e1.4	e1.1	e.85	e.63	e1.2	25	54	23	5.5	2.8
2	3.1	e1.7	e1.5	e.93	e.83	e.63	e1.4	27	57	21	6.0	2.7
3	3.1	e1.7	e1.5	e.93	e.82	e.63	e1.5	16	54	19	6.4	2.5
4	3.3	e1.8	e1.3	e.93	e.81	e.63	e2.5	11	44	18	8.5	2.4
5	3.5	e1.8	e1.3	e.93	e.82	e.63	e3.0	9.7	37	18	6.6	2.3
6	3.3	e1.6	e1.3	e.93	e.82	e.63	e2.4	8.1	45	18	6.0	2.4
7	3.0	e1.6	e1.3	e.81	e.83	e.63	e2.2	8.1	55	17	6.6	2.9
8	2.9	e1.6	e1.3	e.76	e.82	e.63	e2.1	11	53	16	5.9	2.9
9	2.7	e1.5	e1.6	e.84	e.69	e.83	e2.1	20	49	13	5.1	3.1
10	2.6	e1.8	e1.6	e.84	e.70	e.83	e2.2	25	53	12	4.7	3.2
11	2.5	e1.8	e1.6	e.84	e.70	e.66	e2.7	34	55	12	4.5	3.0
12	2.4	e1.6	e1.7	e.84	e.69	e.66	e2.0	44	48	12	4.0	3.1
13	2.3	e1.6	e1.7	e.84	e.69	e.82	e1.9	51	37	11	3.8	3.4
14	2.2	e1.6	e1.7	e.84	e.69	e.73	e1.8	52	26	12	4.6	4.1
15	2.1	e1.6	e1.7	e.84	e.69	e.66	e1.9	54	23	14	5.6	3.6
16	2.1	e1.6	e1.5	e.84	e.63	e.85	e2.2	54	25	12	5.0	3.4
17	2.0	e1.6	e1.8	e.75	e.74	e.85	3.0	49	30	9.6	4.3	4.2
18	1.9	e1.6	e1.6	e.81	e.74	e.74	5.0	43	36	8.2	4.0	4.1
19	1.9	e1.8	e1.6	e.71	e.75	e.74	7.1	45	38	8.1	3.9	3.7
20	1.7	e1.6	e1.8	e.71	e.74	e.82	7.1	44	38	7.7	3.8	3.4
21	1.7	e1.6	e1.6	e.71	e.68	e1.2	5.3	37	35	7.0	3.9	3.3
22	1.6	e1.6	e1.6	e.71	e.68	e1.3	4.3	28	31	6.4	4.2	3.1
23	1.6	e1.6	e1.6	e.85	e.68	e1.4	3.5	33	28	6.1	4.2	3.0
24	1.6	e1.4	e1.3	e.85	e.68	e1.5	3.5	43	30	5.4	3.7	2.8
25	1.6	e1.4	e1.3	e.86	e.67	e1.7	4.4	46	36	5.1	3.5	2.7
26	1.5	e1.3	e1.1	e.86	e.67	e1.6	6.7	49	38	5.4	3.3	2.6
27	1.6	e1.3	e1.3	e.85	e.65	e1.4	11	55	37	4.9	3.0	2.5
28	1.6	e1.5	e1.3	e.85	e.59	e1.3	15	49	31	4.5	2.9	2.4
29	1.7	e1.4	e1.1	e.85	---	e1.2	18	43	25	4.4	2.8	2.3
30	1.6	e1.5	e1.1	e.85	---	e1.1	19	46	24	4.3	2.7	2.2
31	1.5	---	e1.3	e.85	---	e1.0	---	49	---	4.7	3.1	---
TOTAL	69.4	47.7	45.4	26.11	20.35	28.93	146.0	1108.9	1172	339.8	142.1	90.1
MEAN	2.24	1.59	1.46	.84	.73	.93	4.87	35.8	39.1	11.0	4.58	3.00
MAX	3.5	1.8	1.8	1.1	.85	1.7	19	55	57	23	8.5	4.2
MIN	1.5	1.3	1.1	.71	.59	.63	1.2	8.1	23	4.3	2.7	2.2
AC-FT	138	95	90	52	40	57	290	2200	2320	674	282	179

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	2.78	1.70	1.05	.85	.83	1.01	3.92	24.7	49.1	22.3	7.41	3.63
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	3494.21		3236.79			
ANNUAL MEAN	9.55		8.87		9.95	
HIGHEST ANNUAL MEAN					18.6	1984
LOWEST ANNUAL MEAN					5.15	1966
HIGHEST DAILY MEAN	107	May 30	57	Jun 2	170	Jun 26 1983
LOWEST DAILY MEAN	e.66	Jan 31	e.59	Feb 28	a.10	Feb 8 1967
ANNUAL SEVEN-DAY MINIMUM	e.74	Jan 28	e.62	Feb 28	.20	Mar 4 1981
MAXIMUM PEAK FLOW			77	Jun 1	b338	Jun 8 1985
MAXIMUM PEAK STAGE			3.47	Jun 1	c4.10	Jun 8 1985
ANNUAL RUNOFF (AC-FT)	6930		6420		7210	
10 PERCENT EXCEEDS	28		36		33	
50 PERCENT EXCEEDS	2.6		2.3		2.4	
90 PERCENT EXCEEDS	.84		.74		.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, 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	2.6	e2.4	e1.2	e1.0	e.88	1.2	22	65	22	7.4	4.7
2	4.2	2.9	e2.7	e1.2	e1.0	e.88	1.4	23	72	21	8.9	4.4
3	4.2	3.0	e2.7	e1.2	e1.0	e.90	1.4	17	67	20	11	4.3
4	4.7	3.0	e2.6	e1.2	e1.0	e.92	1.9	15	44	18	12	3.9
5	5.5	e3.1	e2.6	e1.2	e1.0	e.94	2.6	13	36	18	9.5	3.7
6	5.2	e2.7	e2.6	e1.2	e1.0	e.96	2.2	11	49	17	8.8	3.6
7	4.9	e2.7	e2.6	e1.1	e1.0	e.98	2.1	11	65	17	9.4	4.6
8	4.5	e2.7	e2.6	e1.2	e.99	e1.0	2.0	14	72	16	9.0	4.7
9	4.2	e2.6	e2.7	e1.2	e.94	1.1	1.9	20	60	14	8.3	5.4
10	4.0	e3.0	e2.7	e1.2	e.94	1.1	2.0	23	60	13	7.4	5.5
11	3.8	e2.9	e2.3	e1.2	e.94	1.1	2.4	28	65	12	7.4	4.9
12	3.8	e2.7	e2.3	e1.2	e.94	1.2	2.1	40	50	13	6.5	4.7
13	3.7	e2.7	e2.4	e1.2	e.94	1.2	1.9	47	34	12	6.0	4.9
14	3.5	e2.7	e2.4	e1.2	e.94	1.1	1.8	46	24	13	6.8	5.1
15	3.4	e2.7	e2.4	e1.2	e.94	1.1	1.7	53	22	15	8.7	4.6
16	3.3	e2.7	e1.9	e1.0	e.93	1.2	2.1	55	23	13	7.7	4.5
17	3.2	e2.7	e2.0	e1.1	e.90	1.1	3.0	47	27	11	6.7	6.0
18	3.2	e2.7	e1.9	e1.0	e.95	1.1	4.9	38	33	10	6.1	6.1
19	3.0	e2.9	e1.9	e1.0	e.95	1.1	7.0	40	36	10	5.7	5.4
20	2.9	e2.7	e2.0	e1.0	e.94	1.1	6.3	39	36	9.5	5.7	4.9
21	2.7	e2.7	e1.7	e1.0	e.87	1.1	5.1	31	33	8.9	5.8	4.7
22	2.7	e2.7	e1.7	e1.0	e.85	1.2	4.7	26	30	8.1	6.7	4.6
23	2.6	e2.7	e1.7	e1.0	e.87	1.2	4.2	32	27	7.5	7.8	4.3
24	2.6	e2.5	e1.4	e1.0	e.86	1.2	3.9	40	30	7.0	6.4	4.0
25	2.7	e2.5	e1.4	e1.0	e.84	1.4	4.5	44	32	6.5	5.6	3.8
26	2.6	e2.4	e1.2	e1.0	e.84	1.3	5.8	51	39	6.7	5.1	3.7
27	2.6	e2.4	e1.4	e1.0	e.86	1.3	9.3	62	33	6.5	4.7	3.4
28	2.6	e2.7	e1.4	e1.0	e.88	1.3	12	55	27	5.9	4.6	3.2
29	3.0	e2.5	e1.2	e1.0	---	1.3	16	42	24	5.5	4.5	3.2
30	2.8	e2.7	e1.2	e1.0	---	1.3	18	50	23	5.3	4.4	3.2
31	2.6	---	e1.3	e1.0	---	1.2	---	59	---	6.2	5.1	---
TOTAL	109.3	81.5	63.3	34.0	26.11	34.76	135.4	1094	1238	368.6	219.7	134.0
MEAN	3.53	2.72	2.04	1.10	.93	1.12	4.51	35.3	41.3	11.9	7.09	4.47
MAX	5.5	3.1	2.7	1.2	1.0	1.4	18	62	72	22	12	6.1
MIN	2.6	2.4	1.2	1.0	.84	.88	1.2	11	22	5.3	4.4	3.2
AC-FT	217	162	126	67	52	69	269	2170	2460	731	436	266

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2001, BY WATER YEAR (WY)

MEAN	4.08	2.55	1.79	1.43	1.34	1.49	4.10	24.9	53.7	29.6	9.63	5.12
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1967 - 2001	
ANNUAL TOTAL	4177.0		3538.67			
ANNUAL MEAN	11.4		9.69		11.7	
HIGHEST ANNUAL MEAN					22.7	1984
LOWEST ANNUAL MEAN					6.77	1989
HIGHEST DAILY MEAN	136	May 31	72	Jun 2	186	Jun 14 1978
LOWEST DAILY MEAN	e1.1	Feb 20	e.84	Feb 25	.24	Oct 29 1972
ANNUAL SEVEN-DAY MINIMUM	e1.2	Jan 29	e.86	Feb 21	.26	Oct 26 1972
MAXIMUM PEAK FLOW			98	Jun 1	265	Jun 8 1985
MAXIMUM PEAK STAGE			2.58	Jun 1	a2.85	Jun 8 1985
ANNUAL RUNOFF (AC-FT)	8290		7020		8450	
10 PERCENT EXCEEDS	32		32		38	
50 PERCENT EXCEEDS	4.0		3.2		3.3	
90 PERCENT EXCEEDS	1.3		1.0		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, 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 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	1.6	e1.1	e.99	e.79	e.63	1.2	28	142	20	4.3	2.8
2	2.0	1.9	e1.7	e.88	e.75	e.63	1.5	28	134	18	6.9	2.5
3	2.1	1.9	e1.7	e.89	e.74	e.63	1.7	22	121	17	6.9	2.3
4	2.6	2.0	e1.5	e.89	e.75	e.63	2.8	18	63	16	6.6	2.0
5	3.7	2.0	e1.5	e.88	e.75	e.63	3.7	15	45	14	5.0	1.9
6	3.4	e1.6	e1.5	e.89	e.75	e.63	2.7	13	77	13	4.8	2.0
7	2.9	e1.6	e1.5	e.81	e.76	e.63	2.4	13	102	12	6.0	2.8
8	2.6	e1.6	e1.5	e.63	e.75	e.63	2.2	18	106	11	7.2	3.2
9	2.4	e1.3	e1.8	e.84	e.64	e1.0	2.2	27	78	9.9	6.3	3.9
10	2.2	e2.1	e1.8	e.84	e.64	e1.0	2.4	30	79	9.8	5.4	3.9
11	2.2	e1.9	e1.6	e.84	e.64	e.77	3.1	43	81	9.3	5.2	3.1
12	2.1	e1.6	e1.7	e.84	e.65	e.77	2.1	77	51	9.4	4.4	2.7
13	1.9	e1.6	e1.9	e.84	e.65	e1.0	2.0	92	37	8.8	3.8	2.8
14	1.8	e1.6	e1.9	e.84	e.65	e.73	1.9	87	28	10	4.5	3.2
15	1.7	e1.6	e1.9	e.84	e.64	e.69	2.0	110	26	11	6.0	2.7
16	1.6	e1.6	e1.5	e.84	e.59	e1.0	2.6	118	27	9.0	5.3	2.4
17	1.5	e1.6	e1.8	e.65	e.76	e1.0	4.8	85	31	7.3	4.4	4.2
18	1.4	e1.6	e1.6	e.81	e.77	e.78	8.6	69	35	6.3	3.8	4.8
19	1.4	e2.1	e1.6	e.65	e.77	e.79	11	76	36	5.6	3.5	4.1
20	1.3	e1.6	e1.8	e.66	e.76	e.98	10	74	36	5.1	3.4	3.5
21	1.3	e1.6	e1.6	e.65	e.66	e1.2	7.4	48	33	4.8	3.7	3.1
22	1.2	e1.6	e1.6	e.66	e.65	1.3	6.5	35	29	4.4	8.1	2.8
23	1.2	e1.6	e1.6	e.78	e.66	1.4	5.4	42	27	4.1	7.0	2.6
24	1.2	e1.4	e1.3	e.79	e.65	1.5	5.1	61	28	3.8	5.4	2.3
25	1.3	e1.4	e1.3	e.80	e.65	1.7	6.0	62	28	3.6	4.6	2.2
26	1.3	e1.1	e1.0	e.80	e.64	1.6	9.0	70	31	4.0	3.9	2.0
27	1.3	e1.1	e1.4	e.79	e.63	1.4	15	98	30	3.6	3.4	1.9
28	1.4	e1.7	e1.4	e.79	e.57	1.3	19	84	25	3.1	2.9	1.8
29	1.7	e1.3	e1.0	e.79	---	1.2	23	63	23	2.8	2.7	1.7
30	1.6	e1.8	e1.0	e.79	---	1.1	25	86	22	2.7	2.6	1.7
31	1.5	---	e1.4	e.79	---	1.0	---	105	---	3.5	3.5	---
TOTAL	58.1	49.0	47.5	24.78	19.31	30.25	192.3	1797	1611	262.9	151.5	82.9
MEAN	1.87	1.63	1.53	.80	.69	.98	6.41	58.0	53.7	8.48	4.89	2.76
MAX	3.7	2.1	1.9	.99	.79	1.7	25	118	142	20	8.1	4.8
MIN	1.2	1.1	1.0	.63	.57	.63	1.2	13	22	2.7	2.6	1.7
AC-FT	115	97	94	49	38	60	381	3560	3200	521	301	164

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	2.86	1.97	1.24	.99	.94	1.35	5.51	32.4	64.1	24.7	5.78	2.98
MAX	8.30	7.17	3.54	2.48	2.97	5.72	14.2	58.0	123	70.4	14.4	7.29
(WY)	1985	1985	1985	1985	1985	1986	1986	2001	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	3781.06		4326.54			
ANNUAL MEAN	10.3		11.9		12.1	
HIGHEST ANNUAL MEAN					19.0	1982
LOWEST ANNUAL MEAN					6.66	1977
HIGHEST DAILY MEAN	138	May 30	142	Jun 1	218	Jun 15 1978
LOWEST DAILY MEAN	e.70	Jan 31	e.57	Feb 28	a.20	Feb 8 1967
ANNUAL SEVEN-DAY MINIMUM	e.79	Jan 28	e.62	Feb 27	.33	Feb 7 1967
MAXIMUM PEAK FLOW			304	Jun 1	355	Jun 15 1978
MAXIMUM PEAK STAGE			3.61	Jun 1	b,c4.07	Jun 15 1978
ANNUAL RUNOFF (AC-FT)	7500		8580		8750	
10 PERCENT EXCEEDS	37		35		41	
50 PERCENT EXCEEDS	1.7		2.0		2.3	
90 PERCENT EXCEEDS	.90		.75		.75	

e Estimated.
a Also occurred Jan 29, 1970, and Feb 10-11, 1981.
b Maximum gage height, 4.62 ft, Jun 18, 1963, backwater from debris.
c 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 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.76	.91	e.61	e.49	e.26	e.19	e.25	6.8	35	7.4	2.3	1.6
2	.69	1.1	e.61	e.46	e.26	e.19	.33	7.8	37	6.7	3.6	1.4
3	.69	1.2	e.63	e.42	e.25	e.19	.33	5.9	38	6.2	2.8	1.3
4	1.0	1.2	e.59	e.41	e.26	e.19	.50	4.8	33	5.5	2.4	1.2
5	1.3	e1.3	e.59	e.40	e.26	e.19	.66	4.3	30	5.0	2.0	1.1
6	1.1	e1.2	e.58	e.39	e.26	e.19	.54	3.8	30	4.6	2.1	1.2
7	.84	e1.1	e.59	e.39	e.26	e.19	.46	3.7	32	4.3	2.3	1.8
8	.80	e1.1	e.62	e.36	e.25	e.18	.43	4.6	33	4.2	3.5	1.8
9	.75	e1.0	e.63	e.37	e.25	e.20	.41	6.0	33	3.9	3.2	1.8
10	.76	e1.1	e.59	e.37	e.24	e.18	.44	7.4	33	3.9	2.8	1.8
11	.79	e1.1	e.59	e.35	e.24	e.15	.37	9.4	33	3.7	2.8	1.5
12	.77	e1.1	e.61	e.34	e.24	e.14	.43	13	30	3.7	2.3	1.3
13	.75	e1.1	e.60	e.34	e.24	e.17	.41	15	28	3.7	2.1	1.2
14	.72	e1.1	e.59	e.34	e.24	e.15	.41	17	23	3.8	2.3	1.5
15	.68	e1.1	e.59	e.34	e.24	e.17	.43	20	21	3.8	2.3	1.3
16	.71	e1.1	e.59	e.33	e.25	e.17	.58	22	18	3.3	2.2	1.2
17	.70	e1.1	e.62	e.30	e.26	e.16	.84	22	18	2.9	2.0	1.8
18	.69	e1.1	e.60	e.32	e.26	e.15	1.3	22	18	2.7	1.8	1.8
19	.67	e1.2	e.58	e.29	e.26	e.15	1.9	23	18	2.5	1.7	1.5
20	.67	e1.1	e.57	e.27	e.25	e.15	2.0	23	18	2.4	1.7	1.3
21	.70	e1.1	e.59	e.26	e.23	e.19	1.5	21	17	2.3	1.8	1.1
22	.70	e1.1	e.56	e.27	e.22	.30	1.4	19	16	2.2	2.7	1.1
23	.71	e1.0	e.54	e.28	e.22	.28	1.3	20	14	2.0	2.2	1.0
24	.73	e.90	e.53	e.29	e.22	.27	1.2	22	14	2.0	1.9	1.0
25	.77	e.89	e.52	e.29	e.21	.31	1.3	24	13	2.0	1.8	.98
26	.67	e.80	e.51	e.29	e.20	.31	1.6	24	13	2.3	1.6	.94
27	.87	e.80	e.52	e.29	e.19	e.28	2.6	27	12	2.1	1.5	.90
28	1.1	e.84	e.52	e.28	e.19	e.25	3.5	28	11	1.8	1.4	.88
29	1.3	e.82	e.50	e.28	---	e.25	4.0	29	9.4	1.7	1.3	.84
30	1.2	e.71	e.49	e.28	---	e.23	5.0	31	8.3	1.6	1.4	.84
31	1.1	---	e.50	e.27	---	e.23	---	33	---	1.9	1.8	---
TOTAL	25.69	31.27	17.76	10.36	6.71	6.35	36.42	519.5	686.7	106.1	67.6	38.98
MEAN	.83	1.04	.57	.33	.24	.20	1.21	16.8	22.9	3.42	2.18	1.30
MAX	1.3	1.3	.63	.49	.26	.31	5.0	33	38	7.4	3.6	1.8
MIN	.67	.71	.49	.26	.19	.14	.25	3.7	8.3	1.6	1.3	.84
AC-FT	51	62	35	21	13	13	72	1030	1360	210	134	77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	1.20	.81	.50	.40	.37	.40	1.32	12.3	34.7	12.9	3.19	1.65
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	1959.88		1553.44			
ANNUAL MEAN	5.35		4.26		5.81	
HIGHEST ANNUAL MEAN					11.3	1984
LOWEST ANNUAL MEAN					2.52	1977
HIGHEST DAILY MEAN	80	May 30	38	Jun 3	93	Jun 22 1983
LOWEST DAILY MEAN	e.25	Mar 9	e.14	Mar 12	a.00	Nov 10 1964
ANNUAL SEVEN-DAY MINIMUM	e.27	Mar 4	e.16	Mar 14	.00	Nov 10 1964
MAXIMUM PEAK FLOW			45	Jun 3	116	Jun 20 1974
MAXIMUM PEAK STAGE			2.50	Jun 3	b,c2.65	Jun 20 1974
ANNUAL RUNOFF (AC-FT)	3890		3080		4210	
10 PERCENT EXCEEDS	17		18		20	
50 PERCENT EXCEEDS	1.0		1.1		.94	
90 PERCENT EXCEEDS	.35		.24		.20	

e Estimated.
a No flow at times several 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 current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,055 ft above sea level, from topographic map.

REMARKS.--Records fair 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	22	17	17	15	14	22	240	685	193	59	30
2	30	23	19	16	16	14	27	257	712	177	68	29
3	30	22	19	16	16	14	29	187	690	162	70	27
4	33	e26	18	16	16	14	36	151	597	154	72	25
5	38	e27	18	16	16	14	43	138	496	144	59	e25
6	36	e23	18	16	16	14	38	e126	537	141	57	e26
7	32	e23	18	15	16	14	33	e132	606	137	78	36
8	30	e23	18	14	16	14	30	e148	620	129	71	40
9	28	e22	19	15	15	15	27	188	568	120	65	38
10	27	e24	19	15	15	15	31	223	553	116	59	39
11	27	e23	18	15	15	14	30	286	565	111	59	34
12	26	e22	19	15	15	14	27	391	501	109	50	31
13	24	e22	20	15	15	15	26	453	434	108	46	31
14	24	e22	20	15	15	14	26	490	323	107	52	37
15	23	e22	20	15	15	13	25	534	288	117	62	32
16	23	e22	19	15	14	15	30	548	277	102	59	30
17	22	e22	20	14	15	15	41	542	291	87	51	39
18	27	e22	19	15	15	14	64	502	316	78	45	41
19	26	e23	19	14	15	14	81	536	329	74	43	36
20	22	e22	20	14	15	15	80	548	328	71	43	e33
21	21	e22	19	14	14	20	66	490	310	68	43	e31
22	21	e22	19	14	14	27	60	389	283	64	48	e30
23	21	e22	19	15	14	27	52	423	256	61	50	e29
24	21	e21	18	15	14	27	48	512	266	58	42	e28
25	21	e21	18	15	14	32	56	546	292	57	38	e26
26	20	e19	17	15	14	32	76	583	293	60	35	e25
27	20	e19	18	15	14	29	108	654	293	58	32	e24
28	24	e20	18	15	13	25	137	652	246	53	30	e24
29	27	e19	17	15	---	23	170	595	220	49	29	e23
30	23	e20	17	15	---	21	191	616	207	47	28	e23
31	23	---	18	15	---	20	---	639	---	52	32	---
TOTAL	802	662	575	466	417	568	1710	12719	12382	3064	1575	922
MEAN	25.9	22.1	18.5	15.0	14.9	18.3	57.0	410	413	98.8	50.8	30.7
MAX	38	27	20	17	16	32	191	654	712	193	78	41
MIN	20	19	17	14	13	13	22	126	207	47	28	23
AC-FT	1590	1310	1140	924	827	1130	3390	25230	24560	6080	3120	1830

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	26.9	19.7	19.3	17.1	17.0	20.4	65.8	471	447	97.8	44.7	33.2
MAX	27.9	22.1	20.0	19.2	19.1	22.4	74.6	531	481	98.8	50.8	35.8
(WY)	2000	2001	2000	2000	2000	2000	2000	2000	2000	2001	2001	2000
MIN	25.9	17.3	18.5	15.0	14.9	18.3	57.0	410	413	96.8	38.7	30.7
(WY)	2001	2000	2001	2001	2001	2001	2001	2001	2001	2000	2000	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 2000 - 2001	
ANNUAL TOTAL	42271		35862			
ANNUAL MEAN	115		98.3		107	
HIGHEST ANNUAL MEAN					115	2000
LOWEST ANNUAL MEAN					98.3	2001
HIGHEST DAILY MEAN	1250	May 30	712	Jun 2	1250	May 30 2000
LOWEST DAILY MEAN	12	Jan 30	13	Feb 28	e11	Nov 2 1999
ANNUAL SEVEN-DAY MINIMUM	14	Jan 28	14	Feb 22	14	Feb 22 2001
MAXIMUM PEAK FLOW			897	Jun 1	a1630	May 29 2000
MAXIMUM PEAK STAGE			8.33	Jun 1	9.30	May 29 2000
ANNUAL RUNOFF (AC-FT)	83840		71130		77400	
10 PERCENT EXCEEDS	364		319		338	
50 PERCENT EXCEEDS	28		27		28	
90 PERCENT EXCEEDS	19		15		15	

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	e1.0	e1.3	e2.1	e1.1	e.86	e1.4	20	71	9.2	3.7	2.3
2	1.3	e.92	e1.6	e1.9	e1.2	e.86	e1.4	22	67	8.3	6.5	1.9
3	1.3	e.90	e1.8	e2.1	e1.3	e.86	e1.4	15	63	7.5	4.4	1.8
4	1.7	e.92	e1.9	e2.2	e1.3	e.86	e1.8	12	53	6.9	3.4	1.7
5	2.0	e.93	e1.9	e2.3	e1.2	e.84	e1.8	10	47	6.4	2.8	1.7
6	1.6	e.91	e1.8	e2.3	e1.3	e.84	e1.8	8.9	48	5.8	2.6	2.0
7	1.4	e.86	e1.5	e2.1	e1.4	e.84	e1.4	10	50	5.2	2.9	2.8
8	1.3	e1.0	e1.3	e1.8	e1.2	e.85	e1.4	16	48	5.1	3.6	2.8
9	1.3	e1.2	e1.4	e1.8	e1.1	e.85	e1.4	22	46	4.8	4.0	3.0
10	1.3	e1.3	e1.5	e1.8	e.97	e.86	e1.4	26	44	4.7	3.6	2.6
11	1.3	e1.2	e1.8	e1.9	e1.1	e.88	e1.8	32	42	4.4	3.4	2.1
12	1.3	e1.0	e2.0	e2.1	e1.1	e.88	e1.4	41	36	5.8	2.7	1.9
13	1.3	e.92	e2.1	e2.0	e1.1	e.83	e1.8	49	33	5.1	2.5	2.0
14	1.3	e1.2	e2.1	e1.8	e1.1	e.81	e1.7	52	28	4.7	2.8	2.4
15	1.2	e1.5	e2.1	e1.5	e1.0	e.78	e1.4	55	30	5.0	2.8	2.1
16	1.1	e1.4	e1.8	e1.7	e.89	e.83	e2.0	58	26	4.1	2.8	1.9
17	1.1	e1.2	e1.6	e1.3	e.87	e.78	e2.4	59	25	3.5	2.4	3.4
18	1.1	e1.3	e1.5	e1.4	e.88	e.73	e3.6	68	24	3.3	2.1	3.0
19	1.1	e1.6	e2.0	e1.4	e.93	e.89	e4.9	70	23	3.0	2.0	2.4
20	1.1	e1.7	e2.0	e1.4	e.96	e1.1	e5.2	69	22	2.8	2.1	2.2
21	1.1	e1.7	e2.0	e1.3	e.96	e1.4	e4.9	55	20	2.7	2.4	2.1
22	1.1	e1.7	e2.1	e1.5	e.96	e1.4	e5.2	51	19	2.5	4.1	2.0
23	1.1	e1.4	e1.8	e1.5	e.94	e1.4	e4.3	55	17	2.4	3.1	2.0
24	1.1	e1.2	e1.5	e1.4	e.89	e1.4	e4.6	62	16	2.4	2.5	1.9
25	1.1	e1.4	e1.5	e1.5	e.82	e1.4	e3.9	61	15	2.4	2.2	1.9
26	1.1	e1.7	e1.4	e1.4	e.83	e1.9	e5.1	65	16	3.0	2.1	1.8
27	1.2	e1.9	e1.6	e1.5	e.85	e1.7	e7.5	73	16	2.6	1.9	1.8
28	1.2	e2.0	e1.9	e1.4	e.86	e1.1	9.8	70	13	2.3	1.9	1.8
29	e1.1	e1.7	e1.9	e1.2	---	e1.1	12	70	12	2.1	1.8	1.7
30	e1.1	e1.5	e2.0	e1.0	---	e1.0	15	69	10	2.0	2.0	1.7
31	e1.0	---	e2.3	e.91	---	e1.0	---	70	---	2.6	2.5	---
TOTAL	38.7	39.16	55.0	51.51	29.11	31.83	113.7	1415.9	980	132.6	89.6	64.7
MEAN	1.25	1.31	1.77	1.66	1.04	1.03	3.79	45.7	32.7	4.28	2.89	2.16
MAX	2.0	2.0	2.3	2.3	1.4	1.9	15	73	71	9.2	6.5	3.4
MIN	1.0	.86	1.3	.91	.82	.73	1.4	8.9	10	2.0	1.8	1.7
AC-FT	77	78	109	102	58	63	226	2810	1940	263	178	128

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	2.01	1.54	1.25	1.07	1.01	1.13	3.49	30.2	49.5	12.0	3.61	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	3410.66		3041.81			
ANNUAL MEAN	9.32		8.33		9.10	
HIGHEST ANNUAL MEAN					14.9	1983
LOWEST ANNUAL MEAN					4.31	1977
HIGHEST DAILY MEAN	127	May 30	73	May 27	164	Jun 20 1983
LOWEST DAILY MEAN	e.86	Nov 7	e.73	Mar 18	.20	Jan 30 1970
ANNUAL SEVEN-DAY MINIMUM	.92	Nov 1	.81	Mar 12	.34	Jan 28 1970
MAXIMUM PEAK FLOW			91	Jun 1	223	Jun 17 1995
MAXIMUM PEAK STAGE			3.93	Jun 1	a4.58	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	6770		6030		6590	
10 PERCENT EXCEEDS	32		27		29	
50 PERCENT EXCEEDS	1.8		1.9		1.8	
90 PERCENT EXCEEDS	1.2		.94		.84	

e Estimated.
a Maximum gage height, 5.18 ft, Apr 17, 1987, backwater from ice.

09066510 GORE CREEK AT MOUTH NEAR MINTURN, CO
(Eagle River Watershed Retrospective Assessment Program)

LOCATION.--Lat 39°36'34", long 106°26'50", in NE$^{1}/_{4}$NW$^{1}/_{4}$ 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 good 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	24	e21	19	e19	18	26	268	717	212	63	35
2	31	26	e22	21	19	17	33	297	756	199	75	33
3	33	24	e22	e20	17	17	34	226	721	182	77	31
4	37	26	e21	e19	18	17	42	188	623	171	77	29
5	43	28	e21	e19	18	16	50	175	519	160	63	28
6	40	24	22	e19	18	17	45	156	540	157	60	29
7	35	24	e22	e19	19	17	40	152	607	153	82	41
8	34	24	21	e19	18	17	37	185	618	144	78	46
9	32	23	22	e18	17	19	34	251	569	135	74	42
10	32	25	23	e18	18	19	39	292	545	132	66	45
11	30	24	e22	18	17	18	39	350	557	127	66	38
12	29	23	e23	e18	17	18	35	430	500	124	56	35
13	26	e23	24	19	17	19	33	504	442	124	50	34
14	26	e23	23	18	17	17	33	547	352	123	57	41
15	24	e23	24	e19	17	16	33	593	321	135	67	36
16	25	e23	e23	e19	16	18	40	616	308	118	65	34
17	24	e23	e22	e19	17	18	52	615	314	100	57	44
18	27	e23	e22	e18	17	17	76	585	331	89	50	48
19	27	e24	e22	e17	18	16	101	611	341	84	48	41
20	24	e23	e21	e17	17	19	101	614	339	80	47	37
21	22	e23	e21	e17	17	23	81	543	325	76	48	35
22	22	e23	e21	e17	17	29	76	440	300	71	55	34
23	22	e23	22	e17	18	29	65	463	278	67	57	32
24	23	e22	22	16	18	29	62	544	280	63	48	31
25	23	22	21	16	16	36	72	592	309	61	43	30
26	22	21	e20	16	16	36	96	629	305	65	40	29
27	22	22	e21	17	17	33	140	715	311	64	37	28
28	27	23	e21	17	16	29	173	709	267	58	35	28
29	30	22	e20	17	---	28	202	643	241	53	33	27
30	25	23	19	17	---	26	225	654	228	50	32	27
31	25	---	20	e19	---	24	---	683	---	56	37	---
TOTAL	877	704	671	559	486	672	2115	14270	12864	3433	1743	1048
MEAN	28.3	23.5	21.6	18.0	17.4	21.7	70.5	460	429	111	56.2	34.9
MAX	43	28	24	21	19	36	225	715	756	212	82	48
MIN	22	21	19	16	16	16	26	152	228	50	32	27
AC-FT	1740	1400	1330	1110	964	1330	4200	28300	25520	6810	3460	2080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

MEAN	39.3	27.9	23.0	20.2	19.3	28.8	73.3	462	683	203	71.8	41.4
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	28.3	18.2	18.8	16.9	17.4	21.7	48.1	248	419	111	44.6	32.0
(WY)	2001	2000	2000	2000	2001	2001	1998	1999	1998	2001	2000	1998

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1996 - 2001	
ANNUAL TOTAL	46013		39442			
ANNUAL MEAN	126		108		141	
HIGHEST ANNUAL MEAN					194	1996
LOWEST ANNUAL MEAN					104	1998
HIGHEST DAILY MEAN	1290	May 30	756	Jun 2	1540	Jun 4 1997
LOWEST DAILY MEAN	e12	Jan 31	16	Jan 24	e12	Jan 31 2000
ANNUAL SEVEN-DAY MINIMUM	e14	Jan 4	e17	Jan 20	e14	Jan 4 2000
MAXIMUM PEAK FLOW			942	Jun 1	1850	Jun 4 1997
MAXIMUM PEAK STAGE			8.57	Jun 1	9.97	Jun 4 1997
ANNUAL RUNOFF (AC-FT)	91270		78230		102300	
10 PERCENT EXCEEDS	399		340		449	
50 PERCENT EXCEEDS	30		32		39	
90 PERCENT EXCEEDS	19		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.--Algal community and biomass, and macroinvertebrate community data were collected and are published in the "Eagle River Watershed Synoptic Sampling" section of this report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
OCT													
11...	1110	32	339	8.5	6.2	9.6	--	--	156	48.7	8.21	6.1	.214
NOV													
16...	0845	22	368	8.2	.1	10.3	--	--	173	54.4	9.10	6.9	.228
DEC													
29...	0900	9.9	464	8.3	.1	11.0	--	--	206	64.3	11.0	14.5	.440
JAN													
24...	1515	22	437	8.7	.2	11.3	--	--	192	60.1	10.2	12.8	.401
FEB													
27...	1450	19	460	9.3	3.0	10.7	--	--	195	58.2	12.2	16.2	.504
MAR													
22...	0830	26	434	8.4	4.0	10.2	--	--	168	50.1	10.4	15.9	.534
APR													
13...	0835	29	419	8.5	1.1	11.1	--	--	179	55.0	10.2	14.4	.469
MAY													
09...	0810	233	165	8.1	2.6	10.3	--	--	73.9	23.4	3.73	3.8	.191
31...	0815	654	98	8.0	3.4	10.0	--	--	46.1	14.6	2.32	1.7	.106
JUN													
06...	1055	483	109	8.1	5.8	9.5	E9	E5	53.6	16.9	2.74	1.7	.101
26...	1055	282	116	8.2	10.1	8.6	--	--	55.1	17.0	3.07	2.0	.115
JUL													
24...	0935	66	255	8.5	11.7	8.6	--	--	115	35.6	6.31	4.8	.194
AUG													
14...	1030	57	278	8.5	12.2	8.6	49	73	124	38.3	6.81	5.3	.206
SEP													
13...	0850	32	324	8.4	8.6	8.8	--	--	148	45.9	8.10	5.9	.211

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)	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, 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													
11...	1.18	124	102	43.1	10.5	E.1	4.0	185	.252	16	.004	.505	.010
NOV													
16...	1.47	127	104	50.8	11.5	E.1	5.5	205	.28	12	.003	.644	.015
DEC													
29...	2.74	162	133	62.3	21.5	.2	6.5	274	.373	7.3	.050	1.99	1.01
JAN													
24...	2.40	143	117	60.6	20.0	.2	4.9	251	.342	15	.006	2.02	.006
FEB													
27...	2.31	137	112	57.2	39.7	.2	3.4	264	.359	13	.006	1.56	.016
MAR													
22...	2.05	128	105	43.5	41.4	.2	3.0	235	.32	16	.007	1.03	.010
APR													
13...	1.53	129	106	40.1	37.1	.2	3.0	229	.312	18	.009	.929	.015
MAY													
09...	.64	70	57	8.6	7.4	E.1	4.8	87.4	.119	55	.001	.189	.005
31...	.44	44	36	4.2	2.2	<.2	4.5	51.8	.1	91	.001	.067	<.002
JUN													
06...	.47	56	46	5.0	2.4	E.1	4.5	61.6	.1	80	.002	.075	.004
26...	.45	56	46	8.2	2.3	E.1	3.6	64.4	.088	49	<.001	.050	.002
JUL													
24...	.95	101	83	26.6	7.7	E.1	4.7	138	.188	25	.003	.367	.011
AUG													
14...	.91	112	92	30.0	8.8	E.1	5.0	152	.2	23	.004	.403	.011
SEP													
13...	1.01	121	99	41.5	11.6	E.1	3.6	179	.243	15	.003	.408	.006

09066510 GORE CREEK AT MOUTH NEAR MINTURN, CO--Continued
(Eagle River Watershed Retrospective Assessment Program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)
OCT							
11...	.167	.09	.18	.047	.028	.023	--
NOV							
16...	.090	.14	.10	.074	.069	.066	--
DEC							
29...	.284	1.4	1.3	.369	.380	.340	--
JAN							
24...	.232	.34	.24	.311	.282	.260	--
FEB							
27...	.198	.34	.21	.256	.227	.229	--
MAR							
22...	.223	.34	.23	.199	.149	.144	2.0
APR							
13...	.139	.28	.15	.119	.099	.099	--
MAY							
09...	--	.22	E.07	.029	.014	.008	--
31...	--	.12	E.09	.019	.007	E.004	3.3
JUN							
06...	--	.11	E.09	.013	.007	E.004	2.6
26...	--	.10	E.06	.013	.009	.007	--
JUL							
24...	.092	.15	.10	.060	.052	.045	--
AUG							
14...	.145	.18	.16	.071	.060	.050	1.3
SEP							
13...	.094	.15	.10	.065	.057	.052	--

E Estimated laboratory analysis value.

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)	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													
16...	<.14	<.8	1.9	20	<10	<.08	3	<3.2	<.23	.36	E.2	<1.0	E12
MAR													
22...	<.14	<.8	2.0	160	M	.10	13	6.0	<.01	<.06	E.3	<1.0	<20
MAY													
31...	<.10	<.8	.5	180	10	<.08	10	E1.7	--	.19	<.3	<1.0	<20
JUN													
06...	<.10	<.8	.4	100	10	<.08	6	E1.8	--	E.04	<.3	<1.0	<20
AUG													
14...	<.10	<.8	1.2	60	<10	<.08	5	E1.6	--	<.06	<.3	<1.0	<20

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
16...	0845	22	.1	M	.05
MAR					
22...	0830	26	4.0	6	.44
MAY					
31...	0815	654	3.4	11	19
JUN					
06...	1055	483	5.8	5	6.5
JUL					
24...	0935	66	11.7	1	.18
AUG					
14...	1030	57	12.2	3	.46

M Presence of material verified but not quantified.

09067000 BEAVER CREEK AT AVON, CO

LOCATION.--Lat 39°37'47", long 106°31'20", in NE$^1/_4$SW$^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	3.7	e2.8	e3.4	2.5	2.0	4.0	22	58	17	12	5.0
2	4.3	e3.7	e3.0	e3.0	2.5	1.9	4.2	25	64	16	13	4.9
3	3.2	e3.7	3.1	e2.5	2.6	1.9	4.5	19	65	15	11	4.0
4	4.0	e3.7	3.2	e2.2	2.7	2.0	5.0	15	59	14	10	3.8
5	5.2	e3.6	3.3	e2.4	2.6	2.0	4.7	14	50	13	9.1	4.0
6	5.2	e3.7	3.3	e2.3	2.6	2.1	4.4	13	48	12	9.8	4.8
7	5.0	e3.7	3.2	e2.2	2.8	2.2	3.7	13	53	11	9.7	7.3
8	4.7	e3.7	3.3	e2.1	2.8	2.4	3.4	15	60	11	9.9	8.5
9	4.4	e3.7	3.4	e2.0	2.7	2.4	3.3	18	56	15	9.5	6.9
10	4.3	e3.7	3.6	e2.2	2.7	2.5	3.5	21	52	14	7.9	6.9
11	4.6	e3.7	3.6	2.3	2.6	2.3	4.4	26	51	12	7.3	6.1
12	4.2	e3.4	3.6	2.2	2.7	2.3	4.3	30	46	15	6.5	5.4
13	5.2	e3.0	3.9	2.4	2.7	e2.2	4.2	27	48	19	5.8	5.2
14	3.6	e3.2	4.0	2.3	2.8	e2.1	3.9	30	38	18	8.5	6.0
15	3.7	e2.8	4.0	2.3	2.7	e2.1	4.5	34	35	20	11	6.1
16	4.2	e2.5	3.8	2.4	2.7	e2.1	5.0	42	33	16	7.6	5.4
17	5.0	e2.3	3.5	2.2	2.9	e2.2	8.2	49	31	12	6.2	7.7
18	3.7	e2.3	3.3	2.1	2.5	2.1	7.3	48	29	10	5.8	7.6
19	3.8	e2.3	3.8	2.0	2.5	2.2	9.0	49	28	10	5.7	6.9
20	4.0	e2.3	3.3	2.1	2.3	2.6	8.6	51	27	9.3	6.0	5.8
21	3.9	e2.4	3.3	2.3	2.1	3.7	6.9	46	26	8.5	6.3	4.8
22	3.8	e2.3	3.3	2.3	2.0	4.7	8.7	37	26	8.1	6.7	4.7
23	3.8	e2.3	3.4	2.4	2.0	4.5	7.6	36	24	8.6	6.0	4.6
24	4.3	e2.3	3.6	2.4	2.0	4.5	6.8	40	23	8.3	5.7	4.3
25	4.0	e2.4	3.5	2.4	1.9	4.9	8.3	43	23	9.2	5.5	4.2
26	3.8	e2.2	3.4	2.4	1.9	5.6	11	46	25	10	5.6	4.4
27	3.7	e2.4	e3.4	2.5	1.9	4.8	12	50	30	10	4.8	3.7
28	4.4	e2.6	e3.4	2.5	2.0	3.7	12	57	22	9.3	5.0	3.6
29	4.4	e2.6	e3.4	e2.4	---	3.4	13	58	20	7.7	4.9	3.4
30	3.7	e3.0	e3.4	e2.3	---	3.3	18	56	18	6.8	4.8	4.0
31	3.9	---	e3.6	2.5	---	3.4	---	57	---	9.2	4.7	---
TOTAL	129.6	89.2	106.7	73.0	68.7	90.1	204.4	1087	1168	375.0	232.3	160.0
MEAN	4.18	2.97	3.44	2.35	2.45	2.91	6.81	35.1	38.9	12.1	7.49	5.33
MAX	5.2	3.7	4.0	3.4	2.9	5.6	18	58	65	20	13	8.5
MIN	3.2	2.2	2.8	2.0	1.9	1.9	3.3	13	18	6.8	4.7	3.4
AC-FT	257	177	212	145	136	179	405	2160	2320	744	461	317

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2001, BY WATER YEAR (WY)

MEAN	4.49	3.63	2.99	2.53	2.41	2.98	6.35	29.6	62.0	29.1	10.0	5.75
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1974 - 2001	
ANNUAL TOTAL	4724.9		3784.0			
ANNUAL MEAN	12.9		10.4		13.5	
HIGHEST ANNUAL MEAN					22.7	1984
LOWEST ANNUAL MEAN					4.94	1977
HIGHEST DAILY MEAN	110	May 30	65	Jun 3	242	Jun 27 1983
LOWEST DAILY MEAN	e2.2	Nov 26	1.9	Feb 25	.55	Sep 10 1977
ANNUAL SEVEN-DAY MINIMUM	2.3	Nov 17	1.9	Feb 25	.75	Sep 5 1977
MAXIMUM PEAK FLOW			74	Jun 2	249	Jun 27 1983
MAXIMUM PEAK STAGE			2.58	Jun 2	3.46	Jun 27 1983
ANNUAL RUNOFF (AC-FT)	9370		7510		9770	
10 PERCENT EXCEEDS	45		30		41	
50 PERCENT EXCEEDS	4.1		4.3		4.5	
90 PERCENT EXCEEDS	2.7		2.3		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. Algal community and biomass, and macroinvertebrate community data were collected and are published in the "Eagle River Watershed Synoptic Sampling" section of this report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
OCT													
11...	0930	111	295	8.1	5.7	9.7	--	--	132	37.8	9.22	5.2	.196
NOV													
14...	1250	48	378	8.2	.1	11.8	E1	E2	181	49.6	13.9	6.7	.218
DEC													
28...	1520	90	322	8.3	.1	11.7	--	--	155	42.5	12.0	6.1	.213
JAN													
23...	1345	75	375	8.5	.3	11.6	E4	E4	173	46.4	13.9	8.5	.283
FEB													
28...	0845	44	415	8.4	.1	11.5	--	--	185	49.1	15.1	10.8	.346
MAR													
21...	1515	67	375	8.6	6.8	10.2	E2	E2	167	44.8	13.5	9.7	.328
APR													
12...	1450	101	336	8.5	4.7	9.9	--	--	152	41.0	12.1	8.5	.300
MAY													
08...	1305	468	179	8.3	7.9	9.4	--	--	82.5	23.1	6.04	3.5	.165
30...	1515	1510	104	8.0	8.8	8.9	36	53	50.4	14.5	3.47	1.5	.089
JUN													
06...	0810	1320	107	7.8	5.1	9.8	E10	E5	53.5	15.2	3.74	1.5	.087
26...	1410	858	102	8.0	12.3	8.3	--	--	47.5	13.5	3.36	1.6	.099
JUL													
24...	0800	195	221	8.3	13.0	8.0	--	--	99.8	28.1	7.20	3.2	.140
AUG													
14...	1800	210	218	8.6	15.1	7.7	40	73	95.6	26.7	7.03	3.7	.167
SEP													
13...	1100	103	293	8.4	10.9	8.8	--	--	133	36.8	10.0	4.7	.177

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 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)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
11...	.97	95	--	--	78	53.5	4.8	<.2	5.0	165	.224	49	.002
NOV													
14...	1.25	106	--	--	87	--	--	--	--	--	--	--	.001
DEC													
28...	1.28	117	--	--	96	52.7	7.2	E.1	7.1	190	.258	46	.019
JAN													
23...	1.60	118	1	--	99	76.4	7.7	E.1	6.5	223	.303	45	.002
FEB													
28...	1.69	116	2	--	99	79.5	16.4	E.1	5.9	241	.328	29	.002
MAR													
21...	1.34	100	5	--	90	74.1	14.9	E.1	5.0	219	.30	40	.004
APR													
12...	1.15	90	2	--	78	57.4	16.2	E.1	6.2	191	.260	52	.002
MAY													
08...	.76	72	--	--	59	19.1	5.0	<.2	6.2	99.5	.135	126	.001
30...	.49	--	--	46	--	7.0	1.4	<.2	5.1	61.1	.08	249	<.001
JUN													
06...	.50	50	--	--	41	--	--	--	4.8	--	--	--	<.001
26...	.48	46	--	--	38	10.2	.9	<.2	3.9	56.9	.077	132	<.001
JUL													
24...	.79	80	--	--	66	27.3	4.0	E.1	5.2	116	.158	61	.001
AUG													
14...	1.00	--	--	70	--	32.5	4.7	E.1	5.4	124	.17	70	.001
SEP													
13...	.93	95	2	--	82	51.5	6.1	E.1	4.9	165	.224	46	.002

09067005 EAGLE RIVER AT AVON, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
OCT									
11...	.333	.004	.105	<.08	.11	.011	<.006	<.007	--
NOV									
14...	.283	.005	--	.14	E.06	.012	E.005	<.007	--
DEC									
28...	.621	.145	.106	.45	.25	.091	.081	.067	--
JAN									
23...	.607	<.002	--	.09	E.10	.068	.051	.049	--
FEB									
28...	.642	.007	--	.15	E.08	.057	.043	.039	--
MAR									
21...	.384	.013	.106	.68	.12	.075	.043	.039	1.5
APR									
12...	.358	.013	.100	.20	.11	.040	.019	.016	--
MAY									
08...	.096	.002	.101	.22	.10	.016	.008	<.007	--
30...	.041	<.002	--	.14	E.09	.014	E.005	<.007	3.3
JUN									
06...	.056	.002	--	.12	E.09	.013	E.004	<.007	2.6
26...	.026	.004	--	.11	E.08	.013	E.005	<.007	--
JUL									
24...	.207	.007	--	.12	E.08	.020	.014	.011	--
AUG									
14...	.104	.003	--	.13	E.10	.023	.015	.008	1.7
SEP									
13...	.139	.003	--	.12	E.08	.017	.011	.007	--

E Estimated laboratory analysis value.

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)	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													
14...	E.09	--	E1.2	240	--	<1.00	124	109	<.23	--	<2.4	<.2	84
MAR													
21...	<.14	--	1.5	330	--	<1.00	140	114	<.01	--	E1.7	<.2	39
MAY													
30...	<.10	--	E1.1	190	--	<1.00	26	12.9	M	--	<2.0	<.2	E16
JUN													
06...	<.10	<.8	1.1	230	40	E.07	30	12.8	.01	.14	<.3	<1.0	20
AUG													
14...	<.10	--	E.9	230	--	<1.00	38	22.9	M	--	<2.0	<.2	E19

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
14...	1250	48	.1	4	.56
MAR					
21...	1515	67	6.8	4	.81
MAY					
30...	1515	1510	8.8	5	20
JUN					
06...	0810	1320	5.1	13	47
JUL					
24...	0800	195	13.0	2	.79
AUG					
14...	1800	210	15.1	3	1.9

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 current year. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	95	71	87	e66	67	88	846	1660	534	192	112
2	120	93	e61	84	72	64	105	961	1810	494	241	108
3	112	85	e74	e70	74	62	118	716	1760	446	227	101
4	120	88	83	e78	75	62	146	565	1580	436	225	93
5	151	98	89	84	75	60	164	520	1330	406	194	88
6	149	86	87	85	67	60	155	462	1330	386	219	92
7	134	81	86	80	67	62	133	443	1470	373	247	125
8	126	82	89	e74	65	61	129	497	1510	374	289	146
9	120	84	100	e68	61	65	117	686	1440	386	305	144
10	116	83	96	e73	e58	66	131	813	1360	387	272	142
11	114	83	84	79	66	62	131	972	1390	344	240	123
12	110	77	92	79	64	61	117	1160	1290	333	207	110
13	108	e60	103	84	60	62	112	1380	1170	366	182	103
14	104	e41	100	81	66	60	112	1460	952	375	194	125
15	101	e63	99	75	63	59	107	1500	829	404	246	129
16	100	82	83	76	58	61	131	1630	791	390	225	114
17	99	71	e73	64	e55	63	170	1640	772	315	193	130
18	99	e60	80	e62	62	59	234	1560	810	275	168	163
19	99	87	e56	e75	65	59	308	1570	832	252	157	147
20	96	80	e86	e71	62	63	322	1600	835	242	156	129
21	92	77	88	e68	64	74	268	1510	803	228	160	116
22	90	e65	105	72	64	88	247	1220	768	215	170	108
23	87	e64	98	e62	64	91	225	1210	703	205	175	102
24	90	e67	87	73	65	89	207	1380	684	197	152	98
25	94	e68	93	74	61	102	239	1500	746	194	135	92
26	88	e77	70	76	60	108	314	1580	867	203	123	88
27	86	e87	e57	76	65	104	414	1610	964	214	114	85
28	92	93	e71	76	62	87	517	1710	700	187	106	82
29	111	88	e81	74	---	88	576	1650	621	169	101	80
30	97	94	e67	73	---	81	708	1610	573	158	100	79
31	97	---	91	70	---	81	---	1650	---	168	107	---
TOTAL	3333	2359	2600	2323	1806	2231	6745	37611	32350	9656	5822	3354
MEAN	108	78.6	83.9	74.9	64.5	72.0	225	1213	1078	311	188	112
MAX	151	98	105	87	75	108	708	1710	1810	534	305	163
MIN	86	41	56	62	55	59	88	443	573	158	100	79
AC-FT	6610	4680	5160	4610	3580	4430	13380	74600	64170	19150	11550	6650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	118	78.5	71.4	68.5	66.8	74.4	261	1439	1211	326	173	126
MAX	128	78.6	83.9	74.9	69.1	76.8	298	1665	1343	341	188	139
(WY)	2000	2001	2001	2001	2000	2000	2000	2000	2000	2000	2001	2000
MIN	108	78.3	58.9	62.1	64.5	72.0	225	1213	1078	311	159	112
(WY)	2001	2000	2000	2000	2001	2001	2001	2001	2001	2001	2000	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 2000 - 2001	
ANNUAL TOTAL	135120		110190			
ANNUAL MEAN	369		302		335	
HIGHEST ANNUAL MEAN					369	2000
LOWEST ANNUAL MEAN					302	2001
HIGHEST DAILY MEAN	3140	May 30	1810	Jun 2	3140	May 30 2000
LOWEST DAILY MEAN	e41	Jan 6	e41	Nov 14	41	Nov 24 1999
ANNUAL SEVEN-DAY MINIMUM	53	Jan 2	60	Mar 13	53	Dec 9 1999
MAXIMUM PEAK FLOW			1950	Jun 2	3640	May 30 2000
MAXIMUM PEAK STAGE			6.79	Jun 2	8.40	May 30 2000
ANNUAL RUNOFF (AC-FT)	268000		218600		243000	
10 PERCENT EXCEEDS	1230		956		1160	
50 PERCENT EXCEEDS	110		105		111	
90 PERCENT EXCEEDS	66		64		63	

e Estimated.

09067200 LAKE CREEK NEAR EDWARDS, CO

LOCATION.--Lat 39°38'51", long 106°36'31", in $SE^1/_4NE^1/_4$ 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. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	22	15	14	13	13	15	69	260	151	52	20
2	29	23	15	14	13	13	15	84	339	136	62	19
3	28	22	15	14	13	13	15	69	325	117	50	19
4	28	23	15	14	13	13	16	57	264	112	50	19
5	34	24	15	14	13	13	16	51	174	104	44	20
6	35	22	15	14	13	13	16	44	197	101	51	16
7	32	21	14	14	13	13	15	41	267	97	47	17
8	30	20	14	14	13	13	15	45	290	97	99	21
9	30	21	13	13	13	13	15	59	264	94	83	21
10	30	20	13	13	14	13	15	68	220	93	83	22
11	29	21	14	13	13	13	16	85	210	90	68	17
12	28	20	15	13	13	13	15	106	184	86	59	16
13	27	16	15	13	13	13	16	135	179	127	53	17
14	25	17	15	13	13	13	16	164	128	112	59	26
15	24	18	15	14	13	13	15	165	102	153	79	25
16	24	18	15	14	13	13	17	185	102	132	64	17
17	23	16	15	14	14	13	18	174	109	98	56	23
18	22	18	14	14	14	13	21	159	124	81	50	34
19	21	18	15	13	13	13	25	170	126	73	46	27
20	20	17	15	13	e13	14	26	190	128	68	44	23
21	19	17	15	13	13	15	25	168	126	61	42	26
22	19	17	15	13	13	15	26	127	135	56	42	25
23	18	17	15	13	13	15	23	135	124	53	41	24
24	18	16	14	13	13	15	24	159	121	50	37	21
25	21	17	14	13	13	15	22	174	140	47	34	15
26	21	16	14	13	13	17	23	194	149	49	30	11
27	20	16	14	13	13	16	29	182	255	50	25	13
28	20	16	14	13	13	14	39	215	167	46	24	13
29	23	16	14	13	---	14	46	213	151	42	23	15
30	21	16	14	13	---	14	57	211	156	40	21	12
31	23	---	14	13	---	14	---	252	---	44	20	---
TOTAL	774	561	449	415	367	425	652	4150	5516	2660	1538	594
MEAN	25.0	18.7	14.5	13.4	13.1	13.7	21.7	134	184	85.8	49.6	19.8
MAX	35	24	15	14	14	17	57	252	339	153	99	34
MIN	18	16	13	13	13	13	15	41	102	40	20	11
AC-FT	1540	1110	891	823	728	843	1290	8230	10940	5280	3050	1180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

MEAN	30.2	22.3	14.6	12.6	11.7	13.1	23.5	129	253	132	63.1	34.5
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	19.8
(WY)	1999	1995	1994	1995	1994	1994	1995	1995	1998	1994	1994	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1994 - 2001	
ANNUAL TOTAL	20045		18101			
ANNUAL MEAN	54.8		49.6		61.8	
HIGHEST ANNUAL MEAN					87.3	1997
LOWEST ANNUAL MEAN					45.5	1994
HIGHEST DAILY MEAN	552	Jun 1	339	Jun 2	845	Jun 16 1995
LOWEST DAILY MEAN	10	Jan 6	11	Sep 26	7.0	Feb 1 1994
ANNUAL SEVEN-DAY MINIMUM	11	Jan 1	13	Jan 19	8.0	Jan 29 1994
MAXIMUM PEAK FLOW			446	Jun 2	1290	Jun 16 1995
MAXIMUM PEAK STAGE			2.68	Jun 2	3.63	Jun 16 1995
ANNUAL RUNOFF (AC-FT)	39760		35900		44750	
10 PERCENT EXCEEDS	143		144		184	
50 PERCENT EXCEEDS	22		20		24	
90 PERCENT EXCEEDS	12		13		11	

e Estimated.

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 current year.

REMARKS.---Algal community and biomass, and macroinvertebrate community data were collected and are published in the "Eagle River Watershed Synoptic Sampling" section of this report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
OCT													
10...	1630	155	624	8.7	11.5	9.7	--	--	182	53.4	11.7	48.9	1.58
NOV													
14...	0920	73	995	8.2	0	11.9	--	--	260	75.1	17.6	101	2.72
DEC													
28...	1325	E105	943	8.2	0	11.7	--	--	246	71.2	16.5	91.1	2.53
JAN													
25...	0850	100	1020	8.2	0	11.7	--	--	255	73.3	17.6	106	2.87
FEB													
27...	1225	96	1070	8.6	3.5	11.3	--	--	263	74.7	18.5	110	2.95
MAR													
21...	1230	103	1020	8.8	9.4	11.3	--	--	253	71.5	18.1	105	2.87
APR													
12...	1325	153	724	8.8	7.5	11.1	--	--	202	57.1	14.5	63.9	1.96
MAY													
08...	1710	572	321	8.6	12.1	9.0	--	--	113	31.8	8.07	19.8	.813
30...	0840	2110	135	7.8	6.4	9.6	--	--	58.4	16.9	3.94	4.2	.237
JUN													
05...	1530	1610	160	8.2	9.6	8.9	E8	<1	66.3	19.2	4.47	5.8	.312
27...	0800	1670	143	7.9	10.7	8.6	--	--	55.0	15.9	3.70	6.5	.380
JUL													
23...	1425	279	523	8.9	19.5	8.1	--	--	143	41.5	9.49	46.9	1.71
AUG													
13...	1600	246	531	8.6	17.2	7.7	E13	22	144	41.7	9.57	43.4	1.58
SEP													
12...	1445	151	768	8.5	15.3	8.8	--	--	192	55.9	12.8	73.4	2.30

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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT													
10...	2.01	94	--	89	89.2	74.3	E.1	5.6	334	.454	140	.041	.539
NOV													
14...	3.28	148	--	121	139	152	.2	6.9	573	.78	112	.099	1.07
DEC													
28...	3.56	137	--	112	124	144	.2	7.8	536	.729	--	.053	2.34
JAN													
25...	3.60	137	--	112	138	157	E.2	7.1	571	.777	154	1.81	.208
FEB													
27...	3.96	127	--	112	143	174	.2	6.0	602	.819	157	.013	2.01
MAR													
21...	3.96	112	--	108	144	161	.2	3.7	568	.77	158	.041	.989
APR													
12...	2.56	100	5	90	102	101	E.2	5.3	405	.551	167	.019	.881
MAY													
08...	1.20	78	--	70	40.8	29.1	E.1	6.1	177	.240	273	.002	.280
30...	.61	49	--	40	12.9	5.1	<.2	5.0	73.0	.1	416	<.001	.074
JUN													
05...	.67	62	--	51	15.7	8.1	<.2	4.9	89.9	.1	391	<.001	.100
27...	.63	44	--	36	16.1	8.7	<.2	3.8	77.2	.105	348	.003	.089
JUL													
23...	1.73	85	--	76	56.0	69.8	E.1	5.1	275	.373	207	.005	.430
AUG													
13...	2.17	98	2	84	65.3	69.7	E.1	5.0	290	.4	193	.009	.538
SEP													
12...	2.40	105	--	98	93.4	115	E.1	5.3	413	.561	168	.009	.602

394220106431500 EAGLE RIVER BELOW MILK CREEK NEAR WOLCOTT, CO--Continued
(Eagle River Watershed Retrospective Assessment Program)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
OCT								
10...	.017	.180	.16	.20	.079	.056	.052	--
NOV								
14...	.163	.137	.38	.30	.094	.083	.081	--
DEC								
28...	.103	.242	.41	.34	.134	.257	.246	--
JAN								
25...	.019	.203	.29	.22	.229	.198	.203	--
FEB								
27...	.034	.256	.41	.29	.226	.198	.201	--
MAR								
21...	.052	.239	.40	.29	.217	.149	.137	2.4
APR								
12...	.046	.181	.38	.23	.132	.084	.082	--
MAY								
08...	.011	.133	.38	.14	.074	.025	.015	--
30...	<.002	--	.17	.10	.029	.007	<.007	3.3
JUN								
05...	.005	--	.14	E.09	.021	.009	E.006	2.6
27...	.012	--	.31	E.10	.053	.012	.007	--
JUL								
23...	.015	.129	.18	.14	.051	.044	.036	--
AUG								
13...	.013	.114	.20	.13	.075	.056	.043	1.8
SEP								
12...	.016	.125	.22	.14	.080	.066	.059	--

E Estimated laboratory analysis value.

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)	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													
14...	E.08	<.8	1.7	120	40	.10	68	63.5	<.23	.65	.5	<1.0	33
MAR													
21...	<.14	<.8	1.9	1320	20	.11	90	49.1	<.01	<.06	.7	<1.0	<20
MAY													
30...	<.10	<.8	1.2	310	40	.08	40	9.5	--	.36	E.2	<1.0	<20
JUN													
05...	<.10	<.8	1.1	240	30	.10	30	13.2	--	.09	<.3	<1.0	E14
AUG													
13...	<.10	<.8	1.7	340	50	.10	29	10.2	--	<.06	<.3	<1.0	E15

E Estimated laboratory analysis value.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
14...	0920	73	0	4	.69
MAR					
21...	1230	103	9.4	168	47
MAY					
30...	0840	2110	6.4	15	87
JUN					
05...	1530	1610	9.6	8	36
JUL					
23...	1425	279	19.5	3	2.4
AUG					
13...	1600	246	17.2	17	12

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).

Algal community and biomass, and macroinvertebrate community data were collected and are published in the "Eagle River Watershed Synoptic Sampling" section of this report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
OCT													
10...	1405	206	816	8.6	10.9	10.7	--	--	301	92.1	17.4	47.3	1.19
NOV													
13...	1215	196	984	8.3	.4	12.3	E1	E1	362	109	21.6	68.6	1.57
DEC													
28...	1020	155	1130	8.0	0	11.9	--	--	384	117	22.4	83.3	1.85
JAN													
23...	1030	128	1110	8.3	.5	12.1	E4	E1	355	106	21.7	93.6	2.16
FEB													
27...	0945	150	1070	8.4	2.3	12.6	--	--	347	104	21.2	81.2	1.90
MAR													
21...	0855	119	1120	8.4	6.1	11.0	E9	E2	339	101	21.4	92.5	2.19
APR													
12...	1100	203	825	8.5	6.1	11.4	--	--	270	79.4	17.3	63.5	1.68
MAY													
08...	1100	608	425	8.3	10.5	9.6	--	--	159	46.7	10.3	22.2	.766
29...	1420	2150	171	8.2	10.5	9.2	E10	E13	75.2	22.2	4.79	5.6	.279
JUN													
05...	1050	1720	200	8.2	8.8	9.9	E7	E4	86.3	25.8	5.35	6.5	.307
27...	1040	1540	224	8.3	13.6	8.6	--	--	88.1	26.7	5.22	8.6	.400
JUL													
23...	1005	311	670	8.4	16.4	8.7	--	--	237	72.6	13.4	42.6	1.20
AUG													
13...	1100	314	668	8.5	18.4	--	E110	E80	241	74.5	13.4	38.3	1.07
SEP													
12...	1140	182	915	8.4	14.5	9.7	--	--	325	100	18.2	56.3	1.36

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)	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)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT													
10...	2.38	138	113	184	67.3	E.1	6.3	487	.7	271	--	.030	.388
NOV													
13...	2.89	148	121	220	101	.2	7.8	607	.83	321	--	.018	.540
DEC													
28...	3.62	172	141	236	131	.2	8.9	694	.944	290	--	.023	1.63
JAN													
23...	3.44	163	134	215	136	.2	8.5	671	.9	232	--	.016	1.47
FEB													
27...	3.23	161	132	219	126	.2	6.6	647	.880	262	--	.016	1.26
MAR													
21...	3.37	157	129	215	146	.3	3.2	664	.9	213	--	.036	.958
APR													
12...	2.46	133	109	155	96.3	E.1	4.8	487	.7	267	--	.017	.603
MAY													
08...	1.53	101	83	73.4	32.7	E.1	6.4	245	.3	401	--	.014	.283
29...	.63	56	46	24.0	6.4	<.2	5.3	96.9	.13	563	12	.001	.075
JUN													
05...	.78	67	55	29.0	8.3	E.1	5.1	114	.16	530	--	.001	.092
27...	.85	68	56	37.1	11.1	<.2	4.4	128	.174	532	--	.004	.119
JUL													
23...	2.09	134	110	126	60.0	E.1	6.4	391	.5	328	--	.005	.520
AUG													
13...	2.23	124	102	138	57.9	E.1	5.2	393	.5	333	32	.007	.462
SEP													
12...	2.70	156	128	202	85.5	E.2	7.3	551	.749	271	--	.005	.388

09069000 EAGLE RIVER AT GYPSUM, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
OCT								
10...	.010	.152	.14	.16	.047	.030	.024	--
NOV								
13...	.020	--	.21	E.10	.040	.024	.021	--
DEC								
28...	.090	.166	.41	.26	.136	.129	.115	--
JAN								
23...	.028	.128	.24	.16	.154	.137	.134	--
FEB								
27...	.026	.213	.39	.24	.134	.107	.102	--
MAR								
21...	.020	.324	.50	.34	.098	.069	.057	2.3
APR								
12...	.022	.145	.33	.17	.081	.045	.041	--
MAY								
08...	.022	.128	.44	.15	.101	.027	.015	--
29...	.004	.117	.23	.12	.040	.021	E.004	3.5
JUN								
05...	.006	.105	.20	.11	.026	.009	E.005	2.8
27...	.020	.104	.34	.12	.059	.015	.009	--
JUL								
23...	.022	.087	.21	.11	.044	.032	.025	--
AUG								
13...	.023	.101	.32	.12	.094	.039	.031	1.7
SEP								
12...	.027	.132	.20	.16	.057	.038	.032	--

E Estimated laboratory analysis value.

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	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, 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)
OCT													
10...	--	--	--	--	--	--	--	--	--	--	--	40	--
NOV													
13...	<2	<2.0	53.3	<1.00	<.11	<.14	1	<.8	<1.8	E1.0	--	20	<1
JAN													
23...	--	--	--	--	--	--	--	--	--	--	--	<10	--
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	30	--
APR													
12...	--	--	--	--	--	--	--	--	--	--	--	40	--
MAY													
08...	--	--	--	--	--	--	--	--	--	--	--	40	--
29...	<2	<2.0	33.1	<1.00	<.10	<.10	<1	<.8	E1.1	E.9	--	20	1
JUN													
05...	--	--	--	--	--	<.10	--	<.8	--	1.1	320	30	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	30	--
AUG													
13...	E1	<2.0	51.4	<1.00	.12	<.10	M	<.8	2.5	E.8	--	30	2

09069000 EAGLE RIVER AT GYPSUM, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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 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													
10...	--	--	17.4	--	--	--	--	--	--	--	--	--	--
NOV													
13...	E.65	--	27.3	<.14	<.23	E2	<2.40	<2.6	<2.4	<.43	<.2	E16	E14
JAN													
23...	--	--	13.6	--	--	--	--	--	--	--	--	--	--
MAR													
21...	--	--	49.6	--	--	--	--	--	--	--	--	--	--
APR													
12...	--	--	43.9	--	--	--	--	--	--	--	--	--	--
MAY													
08...	--	--	26.3	--	--	--	--	--	--	--	--	--	--
29...	<1.00	--	9.1	M	M	<2	<2.00	<3.0	<2.0	<.40	<.2	E24	<20
JUN													
05...	.16	38	10.8	--	.01	--	.08	--	<.3	--	<1.0	--	<20
JUL													
23...	--	--	17.2	--	--	--	--	--	--	--	--	--	--
AUG													
13...	<1.00	--	14.6	.01	--	E1	<2.00	<3.0	<2.0	<.40	<.2	E28	<20

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
13...	1215	196	.4	5	2.8
MAR					
21...	0855	119	6.1	4	1.4
MAY					
29...	1420	2150	10.5	27	155
JUN					
05...	1050	1720	8.8	16	72
JUL					
23...	1005	311	16.4	5	4.4
AUG					
13...	1100	314	18.4	50	42

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 and discharges below 400 ft^3s, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	226	226	200	187	e155	163	172	878	2090	793	306	202
2	213	229	179	186	e160	164	187	1120	2340	726	353	209
3	201	219	202	171	e169	160	206	949	2280	633	355	193
4	198	213	214	180	174	157	223	734	2110	595	345	184
5	231	239	207	184	179	158	240	707	1700	550	325	180
6	246	237	200	185	177	150	240	633	1630	529	335	175
7	230	225	189	190	185	154	238	578	1850	509	382	193
8	216	227	203	181	182	158	225	587	1950	499	447	229
9	205	230	207	168	171	162	213	744	1890	526	497	247
10	205	234	211	178	160	168	205	907	1720	540	480	230
11	214	252	207	197	169	166	234	1060	1780	509	425	213
12	210	240	195	180	168	160	225	1300	1690	474	371	190
13	209	214	210	185	166	154	213	1590	1550	558	323	185
14	207	187	209	184	170	155	213	1850	1320	535	325	206
15	201	210	209	177	169	147	207	1890	1080	616	402	220
16	202	229	188	182	162	147	211	2070	1060	655	395	205
17	200	220	183	176	152	155	224	2120	1010	503	340	213
18	194	205	193	174	160	155	271	2000	1050	437	302	255
19	197	233	152	190	169	149	364	2030	1070	388	282	251
20	192	225	196	185	168	148	419	2080	1070	367	279	229
21	191	220	197	180	173	164	378	2010	1060	348	286	217
22	188	207	206	187	169	192	374	1600	1020	327	290	205
23	182	204	211	176	172	200	325	1490	962	309	297	200
24	183	206	195	187	166	198	309	1660	914	303	273	191
25	202	208	197	173	159	201	309	1860	980	294	257	176
26	195	214	184	175	155	218	354	1970	1060	296	247	158
27	192	221	164	170	162	221	447	1970	1350	331	228	152
28	199	223	172	172	159	198	563	2200	1040	305	202	156
29	228	216	183	e170	---	184	634	2120	888	274	190	139
30	228	221	172	e165	---	179	751	2030	835	261	191	139
31	219	---	200	e160	---	172	---	2110	---	275	188	---
TOTAL	6404	6634	6035	5555	4680	5257	9174	46847	42349	14265	9918	5942
MEAN	207	221	195	179	167	170	306	1511	1412	460	320	198
MAX	246	252	214	197	185	221	751	2200	2340	793	497	255
MIN	182	187	152	160	152	147	172	578	835	261	188	139
AC-FT	12700	13160	11970	11020	9280	10430	18200	92920	84000	28290	19670	11790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2001, BY WATER YEAR (WY)

MEAN	261	242	199	182	175	190	351	1350	2291	1008	387	269
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1947 - 2001	
ANNUAL TOTAL	189204		163060			
ANNUAL MEAN	517		447		576	
HIGHEST ANNUAL MEAN					1082	1984
LOWEST ANNUAL MEAN					264	1977
HIGHEST DAILY MEAN	4010	May 30	2340	Jun 2	6580	May 25 1984
LOWEST DAILY MEAN	e120	Jan 6	139	Sep 29	78	Dec 10 1994
ANNUAL SEVEN-DAY MINIMUM	159	Jan 2	151	Mar 14	99	Aug 29 1990
MAXIMUM PEAK FLOW			2530	Jun 2	7020	May 25 1984
MAXIMUM PEAK STAGE			6.49	Jun 2	9.46	May 25 1984
ANNUAL RUNOFF (AC-FT)	375300		323400		417400	
10 PERCENT EXCEEDS	1420		1100		1580	
50 PERCENT EXCEEDS	219		213		243	
90 PERCENT EXCEEDS	176		164		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, 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1160	1180	784	e766	e665	744	914	2290	3790	1480	1560	1850
2	1140	1180	805	e711	e734	730	922	2570	4020	1490	1700	1840
3	1150	1190	813	e684	e789	710	969	2470	3950	1420	1760	1810
4	1320	1160	882	e681	e822	701	1040	2070	3670	1380	1710	1780
5	1440	1180	896	e684	e793	711	1070	1950	3080	1380	1620	1750
6	1470	1150	841	e721	795	696	1170	1820	2820	1430	1560	1650
7	1450	846	786	e694	791	710	1170	1660	2990	1430	1620	1640
8	1430	775	833	e645	789	727	1090	1610	3080	1490	1640	1720
9	1420	770	773	e606	755	744	991	1810	3040	1580	1590	1790
10	1420	811	818	e727	738	764	952	2090	2830	1550	1300	1790
11	1430	865	817	e740	778	769	996	2380	2870	1360	1270	1710
12	1430	838	767	e737	739	730	1010	2700	2730	1350	1290	1660
13	1410	711	771	e770	724	709	996	3140	2540	1410	1240	1570
14	1400	643	779	e747	760	707	1020	3560	2340	1560	1280	1520
15	1400	780	788	e711	742	692	1100	3760	2060	1760	1410	1500
16	1400	817	e735	e707	698	672	1140	3990	1980	1820	1480	1460
17	1380	804	e693	e694	721	727	1210	4150	1910	1510	1550	1450
18	1310	884	e722	e606	723	739	1360	4080	1900	1290	1540	1510
19	1290	905	e592	e661	767	754	1560	4160	1900	1400	1500	1480
20	1280	1010	e743	e737	745	747	1750	4190	1870	1350	1540	1420
21	1290	1010	e753	e711	770	782	1660	3960	1910	1250	1660	1380
22	1370	1000	e770	e701	751	846	1350	3330	1910	1260	1710	1340
23	1360	961	e844	e730	743	890	1180	3040	1780	1250	1720	1330
24	1370	947	e801	e760	733	915	1100	3180	1720	1240	1720	1320
25	1390	912	e863	e799	714	938	1290	3500	1730	1280	1690	1320
26	1340	864	e739	e776	699	974	1540	3640	1880	1340	1650	1320
27	1190	900	e637	e776	728	1010	1790	3710	2180	1450	1610	1300
28	1190	878	e670	e783	717	1010	2250	4010	1870	1460	1630	1280
29	1160	848	e627	e786	---	998	2290	3930	1640	1400	1670	1260
30	1160	892	e691	e721	---	970	2270	3840	1550	1360	1770	1250
31	1160	---	e803	e684	---	910	---	3870	---	1370	1820	---
TOTAL	41110	27711	23836	22256	20923	24726	39150	96460	73540	44100	48810	46000
MEAN	1326	924	769	718	747	798	1305	3112	2451	1423	1575	1533
MAX	1470	1190	896	799	822	1010	2290	4190	4020	1820	1820	1850
MIN	1140	643	592	606	665	672	914	1610	1550	1240	1240	1250
AC-FT	81540	54960	47280	44140	41500	49040	77650	191300	145900	87470	96810	91240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2001, BY WATER YEAR (WY)

MEAN	1216	1088	952	909	922	1046	1866	4831	6363	3142	1727	1310
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1941 - 2001	
ANNUAL TOTAL	654455		508622			
ANNUAL MEAN	1788		1393		2117	
HIGHEST ANNUAL MEAN					4173	1984
LOWEST ANNUAL MEAN					1117	1977
HIGHEST DAILY MEAN	8110	May 30	4190	May 20	20800	May 25 1984
LOWEST DAILY MEAN	e570	Jan 6	e592	Dec 19	a350	Jan 5 1944
ANNUAL SEVEN-DAY MINIMUM	715	Dec 16	674	Jan 3	417	Jan 13 1944
MAXIMUM PEAK FLOW			4400	May 20	22200	May 25 1984
MAXIMUM PEAK STAGE			5.43	May 20	14.20	May 25 1984
ANNUAL RUNOFF (AC-FT)	1298000		1009000		1534000	
10 PERCENT EXCEEDS	3660		2360		4920	
50 PERCENT EXCEEDS	1380		1250		1260	
90 PERCENT EXCEEDS	810		716		760	

e Estimated.
a Also occurred Jan 1, 1995.

09071750 COLORADO RIVER ABOVE GLENWOOD SPRINGS, CO

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. Prior to Oct. 1995, daily maximum and minimum specific-conductance data available in district office. Daily specific-conductance records are excellent except Oct. 1 to 13, and June 2 to July 26, which are good, and Oct. 14 to Nov. 28, and Jan. 3 to Mar. 1, which are fair. Daily water temperature records are good. Interruptions in record are due to equipment malfunctions or sensors affected by slush ice.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,740 microsiemens/cm, Aug. 21, 1990; minimum, 181 microsiemens/cm, June 21, 1996.
WATER TEMPERATURE: Maximum, 22.6°C, July 8, 2001; minimum, 0.0°C on many days during the winter months.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,130 microsiemens/cm, July 12; minimum, 237 microsiemens/cm, May 17.
WATER TEMPERATURE: Maximum, 22.6°C, July 8; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)
NOV													
27...	1155	1040	741	8.2	.6	12.3	197	59.5	11.8	72.9	2.26	2.57	114
DEC													
29...	1310	693	904	8.4	.1	12.3	222	66.8	13.5	92.8	2.71	2.86	125
JAN													
25...	1210	850	863	8.3	.1	12.8	--	--	--	--	--	--	--
MAR													
22...	1425	961	770	8.7	9.4	10.5	--	--	--	--	--	--	--
APR													
30...	1335	2450	440	8.2	11.2	9.6	--	--	--	--	--	--	--
JUN													
01...	0950	4070	301	8.2	11.3	9.1	--	--	--	--	--	--	--
JUL													
26...	0940	1250	642	8.6	20.3	7.6	--	--	--	--	--	--	--
AUG													
22...	1200	1810	621	8.5	17.1	7.3	--	--	--	--	--	--	--

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)
NOV								
27...	94.3	104	.2	9.9	--	424	.6	1190
DEC								
29...	110	145	.2	11.3	--	517	.7	968
JAN								
25...	--	--	--	--	505	--	--	--
MAR								
22...	--	--	--	--	452	--	--	--
APR								
30...	--	--	--	--	268	--	--	--
JUN								
01...	--	--	--	--	222	--	--	--
JUL								
26...	--	--	--	--	386	--	--	--
AUG								
22...	--	--	--	--	404	--	--	--

09071750 COLORADO RIVER ABOVE GLENWOOD SPRINGS, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	636	623	629	656	647	653	---	---	---	---	---	---
2	644	632	639	654	638	645	---	---	---	---	---	---
3	643	629	636	660	642	650	---	---	---	861	689	800
4	635	571	597	646	637	643	---	---	---	879	733	840
5	571	539	551	669	646	660	---	---	---	907	785	870
6	552	541	547	665	649	657	---	---	---	880	832	853
7	545	535	542	811	651	719	---	---	---	865	755	829
8	542	535	539	865	811	850	---	---	---	888	798	848
9	547	535	543	898	865	880	---	---	---	937	831	880
10	549	542	546	889	854	878	---	---	---	929	824	875
11	560	547	550	855	819	843	---	---	---	875	798	842
12	560	549	554	829	807	820	---	---	---	833	799	817
13	556	549	554	867	806	833	---	---	---	849	792	812
14	557	552	554	977	867	917	---	---	---	836	804	818
15	553	547	549	999	867	939	---	---	---	835	723	803
16	555	548	551	897	824	852	---	---	---	885	722	802
17	556	552	554	873	835	855	---	---	---	913	711	799
18	580	554	571	906	848	877	---	---	---	970	752	876
19	593	580	589	921	820	872	---	---	---	943	807	878
20	595	592	593	820	767	804	---	---	---	897	829	855
21	600	593	596	772	731	758	---	---	---	---	---	---
22	601	572	583	754	710	733	---	---	---	882	796	837
23	577	571	574	763	722	742	---	---	---	840	753	812
24	577	571	574	792	726	750	---	---	---	820	742	782
25	578	575	576	768	741	754	---	---	---	852	745	783
26	578	574	577	794	742	761	---	---	---	814	765	792
27	636	578	618	776	712	738	---	---	---	818	753	787
28	642	633	638	738	774	791	---	---	---	801	753	779
29	668	638	653	---	---	---	---	---	---	792	709	774
30	669	657	665	---	---	---	---	---	---	829	725	799
31	657	650	654	---	---	---	---	---	---	---	---	---
MONTH	669	535	584	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	961	727	880	801	713	756	730	714	721	437	412	427
2	893	765	829	---	---	---	743	730	734	412	339	380
3	875	771	828	---	---	---	745	731	737	353	335	342
4	803	779	793	---	---	---	731	678	701	432	353	389
5	825	773	790	---	---	---	701	670	685	463	432	454
6	818	765	791	---	---	---	675	637	664	502	463	484
7	798	766	779	---	---	---	647	625	635	537	501	519
8	782	754	765	---	---	---	684	645	667	548	534	542
9	854	764	798	---	---	---	725	674	698	541	490	526
10	875	795	836	---	---	---	748	724	734	490	428	459
11	867	744	820	---	---	---	745	713	726	428	382	412
12	802	746	777	---	---	---	728	697	714	383	343	370
13	807	768	783	---	---	---	723	694	707	348	286	318
14	808	738	778	---	---	---	722	707	715	306	253	287
15	794	755	771	---	---	---	717	699	707	272	255	264
16	835	754	781	---	---	---	706	665	694	268	244	256
17	830	765	796	---	---	---	676	652	665	254	237	246
18	815	750	782	---	---	---	652	613	642	255	242	250
19	826	737	776	---	---	---	613	565	598	259	247	252
20	800	745	768	---	---	---	565	500	539	255	245	250
21	803	722	755	---	---	---	500	492	495	261	247	252
22	764	728	746	---	---	---	565	492	528	297	261	278
23	767	724	746	---	---	---	611	565	591	312	297	306
24	784	734	756	---	---	---	663	611	637	316	287	302
25	784	729	757	---	---	---	669	604	643	299	269	284
26	797	725	761	---	---	---	604	577	590	286	260	273
27	799	723	761	717	690	707	585	534	565	272	263	267
28	782	745	763	700	684	690	534	452	490	272	246	259
29	---	---	---	688	672	684	455	435	445	260	251	257
30	---	---	---	697	678	687	444	425	436	271	259	266
31	---	---	---	726	683	712	---	---	---	291	269	276
MONTH	961	722	784	---	---	---	748	425	637	548	237	337

09071750 COLORADO RIVER ABOVE GLENWOOD SPRINGS, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	309	291	300	578	561	569	612	571	591	509	487	505
2	311	268	289	589	575	583	572	536	551	545	505	520
3	287	271	278	605	578	587	536	510	524	514	509	511
4	294	277	288	634	605	623	523	512	515	514	510	511
5	333	291	314	645	632	638	543	523	535	518	512	514
6	351	333	345	650	639	644	550	543	548	541	518	531
7	361	319	341	642	605	627	900	545	627	550	541	547
8	341	309	324	606	599	603	580	542	557	558	549	555
9	335	314	324	604	586	594	571	545	559	550	535	542
10	344	322	337	596	572	580	632	552	593	535	522	529
11	356	330	343	617	581	604	642	628	634	537	523	530
12	358	331	348	1130	617	725	655	623	640	546	536	542
13	381	345	369	722	643	664	640	621	629	573	546	564
14	416	376	391	643	579	603	647	634	642	606	566	593
15	460	416	438	591	556	574	634	622	626	630	604	619
16	483	460	475	559	514	541	628	600	616	624	613	616
17	497	470	488	581	513	540	602	574	583	615	602	611
18	501	488	493	642	581	614	578	566	571	912	602	688
19	491	474	484	659	616	635	590	578	586	640	597	619
20	492	470	480	631	617	626	602	588	596	608	597	604
21	483	469	476	662	623	643	598	565	579	609	601	607
22	484	463	474	668	651	660	---	---	---	621	607	615
23	536	474	508	663	641	651	572	557	567	622	618	620
24	547	534	540	671	655	664	557	539	546	625	617	622
25	555	522	543	666	641	653	545	539	542	622	620	621
26	523	494	515	649	629	641	554	544	549	620	613	615
27	494	421	470	629	601	608	561	554	558	620	612	617
28	483	415	445	604	576	589	565	550	558	632	618	624
29	534	483	514	585	569	576	551	540	547	637	629	633
30	565	534	550	599	585	594	540	521	525	638	630	634
31	---	---	---	609	599	604	521	508	513	---	---	---
MONTH	565	268	416	1130	513	615	---	---	---	912	487	582

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.1	12.6	13.6	7.0	5.8	6.3	---	---	---	---	---	---
2	14.2	12.5	13.5	6.0	5.1	5.7	1.3	.1	.4	---	---	---
3	14.1	12.7	13.6	5.9	3.9	4.8	.5	.1	.2	.0	.0	.0
4	14.1	12.5	13.4	5.0	3.7	4.5	.4	.1	.2	.0	.0	.0
5	13.0	11.4	12.2	5.4	4.4	5.0	.6	.1	.3	.0	.0	.0
6	12.4	10.7	11.7	4.8	3.1	4.0	.5	.1	.3	.0	.0	.0
7	11.8	10.0	11.0	3.5	1.8	2.5	.6	.1	.3	.0	.0	.0
8	11.4	9.7	10.6	2.7	1.9	2.3	.5	.1	.3	.0	.0	.0
9	11.3	9.8	10.7	3.7	2.6	3.2	1.0	.3	.5	.0	.0	.0
10	11.5	10.0	10.8	3.7	3.1	3.4	1.5	.3	.7	.0	.0	.0
11	11.3	10.3	10.9	3.5	2.6	3.0	1.0	.1	.4	.0	.0	.0
12	11.3	10.1	10.9	3.1	---	2.5	.6	.1	.3	.0	.0	.0
13	11.4	9.5	10.6	---	---	---	.5	.2	.4	.0	.0	.0
14	10.6	8.9	9.7	.6	.0	.2	.7	.2	.4	.1	.0	.0
15	10.1	8.0	9.0	.5	.1	.2	.9	.2	.3	.0	.0	.0
16	9.4	8.0	8.8	.6	.1	.3	.3	.0	.1	.0	.0	.0
17	9.6	8.1	9.0	.6	.1	.2	.1	.0	.0	.0	.0	.0
18	9.7	8.1	9.0	.2	.1	.1	.1	.0	.0	.0	.0	.0
19	9.8	8.3	9.2	.2	.1	.1	.1	.0	.0	.1	.0	.0
20	9.8	8.3	9.2	.2	.1	.1	.1	.0	.0	.0	.0	.0
21	9.8	8.2	9.1	.3	.1	.2	.1	.0	.0	.0	.0	.0
22	9.3	8.3	8.9	.6	.1	.3	.1	.0	.0	.0	.0	.0
23	9.6	8.6	9.2	.7	.1	.3	.2	.0	.0	.1	.0	.0
24	10.0	9.3	9.7	.6	.1	.3	.4	.0	.1	.0	.0	.0
25	10.1	8.9	9.5	.6	.2	.4	.5	.1	.2	.0	.0	.0
26	9.5	7.6	8.4	.6	.3	.4	.2	.0	.0	.0	.0	.0
27	8.9	7.5	8.3	.8	.3	.5	.1	.0	.0	.1	.0	.0
28	8.6	8.0	8.4	---	---	---	.1	.0	.0	.2	.0	.0
29	9.2	8.4	8.9	---	---	---	---	---	---	.3	.0	.0
30	9.2	7.6	8.4	---	---	---	---	---	---	.3	.0	.0
31	8.4	6.9	7.8	---	---	---	---	---	---	.0	.0	.0
MONTH	14.2	6.9	10.1	---	---	---	---	---	---	---	---	---

09071750 COLORADO RIVER ABOVE GLENWOOD SPRINGS, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.4	.0	.0	3.3	2.1	2.7	9.7	8.0	8.7	12.9	11.3	11.9
2	.3	.0	.0	---	---	---	9.5	8.7	9.2	13.0	10.2	11.7
3	.6	.0	.2	---	---	---	9.7	8.7	9.0	10.2	6.0	8.0
4	.6	.1	.3	---	---	---	10.5	9.2	9.9	8.4	5.5	6.5
5	.8	.0	.3	---	---	---	10.4	8.9	9.7	8.9	7.9	8.3
6	.8	.2	.5	---	---	---	9.4	8.1	8.9	9.9	8.5	9.0
7	1.2	.8	1.0	---	---	---	8.4	7.3	7.9	10.8	9.8	10.2
8	1.0	.0	.5	---	---	---	8.4	6.8	7.7	12.3	10.8	11.7
9	.3	.0	.1	---	---	---	8.1	6.7	7.2	13.4	12.2	12.7
10	.6	.0	.1	---	---	---	9.3	7.6	8.4	13.0	11.7	12.2
11	1.0	.1	.3	---	---	---	8.9	7.4	8.0	13.0	11.3	11.9
12	.9	.2	.5	---	---	---	8.3	7.2	7.8	13.1	11.6	12.3
13	1.3	.7	1.0	---	---	---	8.4	6.9	7.6	13.0	11.7	12.4
14	2.0	.8	1.4	---	---	---	8.6	7.5	8.2	12.7	11.3	12.1
15	1.6	.6	1.2	---	---	---	9.3	7.5	8.4	12.2	10.4	11.2
16	1.6	.2	.9	---	---	---	10.6	9.1	9.8	11.5	10.3	10.7
17	1.5	.2	1.0	---	---	---	11.8	10.1	11.0	10.5	9.6	9.9
18	---	---	---	---	---	---	12.2	11.2	11.7	11.3	8.8	9.7
19	2.1	1.2	1.6	---	---	---	12.5	11.4	12.1	11.3	10.4	11.0
20	2.2	1.2	1.8	---	---	---	12.2	9.9	11.2	11.2	9.8	10.6
21	2.6	1.8	2.2	---	---	---	10.0	8.8	9.4	10.7	8.7	9.5
22	3.1	1.8	2.5	---	---	---	9.3	8.1	8.7	10.3	7.9	9.2
23	2.8	1.9	2.4	9.2	7.8	8.7	8.2	7.2	7.7	12.1	9.6	10.7
24	2.8	1.5	2.2	9.2	7.7	8.3	9.6	7.3	8.3	12.6	10.7	11.7
25	2.4	1.5	2.1	10.0	8.5	9.1	12.0	9.6	10.9	12.6	10.6	11.4
26	2.6	1.3	2.1	9.9	8.7	9.2	13.2	11.8	12.3	11.6	9.8	10.6
27	2.4	1.6	2.0	9.8	8.3	8.9	13.9	12.9	13.2	12.0	9.2	10.5
28	3.1	1.4	2.3	8.8	6.7	7.7	14.0	12.5	13.1	12.0	10.4	11.0
29	---	---	---	7.6	6.3	6.9	12.9	11.0	11.8	11.7	10.0	10.8
30	---	---	---	7.2	6.1	6.5	12.2	11.0	11.5	12.7	10.1	11.3
31	---	---	---	8.5	6.5	7.3	---	---	---	12.7	10.8	11.8
MONTH	---	---	---	---	---	---	14.0	6.7	9.6	13.4	5.5	10.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.4	10.8	12.1	20.5	19.0	19.7	19.3	18.0	18.6	16.8	15.6	16.2
2	13.4	11.7	12.6	19.5	18.6	18.9	19.5	17.5	18.2	17.0	15.4	16.1
3	13.0	11.4	12.1	19.9	18.7	19.1	19.8	18.7	19.1	17.9	15.9	16.8
4	12.5	10.9	11.9	20.4	19.1	19.7	20.5	19.2	19.7	17.9	16.8	17.4
5	12.4	10.0	11.1	20.5	19.5	19.9	21.0	19.4	20.0	17.9	16.9	17.3
6	13.7	11.0	12.0	21.7	20.1	20.9	21.2	20.3	20.8	17.4	16.1	16.6
7	14.4	12.7	13.6	21.9	20.7	21.3	21.2	19.5	20.1	16.3	14.5	15.0
8	15.0	12.9	14.0	22.6	21.0	21.6	20.5	19.1	19.8	15.1	13.4	14.0
9	15.5	13.4	14.4	21.5	20.3	20.9	19.4	18.3	18.9	13.4	11.8	12.5
10	15.5	13.5	14.3	21.1	20.1	20.7	19.3	17.6	18.7	14.0	12.3	12.9
11	15.3	13.9	14.6	20.9	19.6	20.4	18.7	17.3	17.8	15.0	13.1	13.9
12	15.3	13.5	14.1	21.0	19.6	20.2	19.4	17.9	18.5	15.7	14.4	14.9
13	14.0	10.7	12.4	20.4	19.1	19.9	20.0	18.6	19.5	15.8	14.6	15.2
14	10.7	8.7	9.5	19.6	18.1	18.9	19.6	18.1	19.0	16.2	14.0	14.7
15	11.9	9.1	10.0	18.4	17.7	18.1	18.9	17.8	18.4	16.4	14.8	15.5
16	14.1	11.9	12.8	18.6	18.0	18.3	18.7	17.8	18.2	16.1	14.2	15.0
17	15.2	13.9	14.4	19.0	17.5	18.2	18.5	17.7	18.1	15.4	13.9	14.5
18	15.8	15.2	15.5	18.8	17.9	18.3	18.5	17.3	18.0	14.7	13.6	14.0
19	16.2	15.5	15.9	19.9	18.3	19.1	18.7	17.5	17.9	14.8	13.6	14.2
20	16.6	16.2	16.4	20.0	19.1	19.6	19.0	17.4	18.2	15.0	13.6	14.4
21	16.8	16.1	16.5	21.1	19.8	20.3	17.9	16.8	17.5	15.3	13.9	14.7
22	17.4	16.4	17.0	21.3	20.0	20.6	17.9	16.5	17.0	15.7	13.9	15.0
23	17.5	16.2	16.8	21.0	19.4	20.3	17.2	16.4	16.8	15.6	13.9	14.8
24	17.6	16.9	17.2	20.7	19.2	19.9	17.9	16.4	17.0	15.4	13.6	14.7
25	18.1	17.1	17.5	20.0	18.9	19.4	18.7	17.1	17.8	15.3	13.6	14.6
26	17.8	16.5	17.1	20.6	19.2	20.0	19.1	18.0	18.5	15.2	13.5	14.5
27	17.6	16.3	16.9	19.7	18.9	19.3	19.2	18.1	18.6	15.1	13.4	14.3
28	18.2	17.2	17.6	19.9	19.1	19.6	19.2	17.5	18.1	15.1	13.4	14.4
29	19.6	18.2	18.9	20.2	19.4	19.8	17.7	16.4	16.8	15.3	14.2	14.9
30	20.0	18.8	19.5	20.2	18.9	19.7	16.8	15.8	16.3	15.5	14.2	15.0
31	---	---	---	20.2	18.4	19.2	16.8	15.9	16.4	---	---	---
MONTH	20.0	8.7	14.6	22.6	17.5	19.7	21.2	15.8	18.3	17.9	11.8	14.9

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, 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 (45,650 acre-ft diverted during current year, provided by Colorado Division of Water Resources).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e35	20	e13	e11	e11	e11	15	85	171	51	26	46
2	e34	20	e12	e11	e11	e11	15	92	180	49	30	44
3	35	20	e13	e10	e12	e11	17	70	170	46	27	43
4	36	19	e13	e12	e11	e11	19	55	147	44	29	41
5	35	20	e14	e12	e11	e11	20	50	132	42	29	39
6	31	19	e14	e12	e11	e11	18	44	136	41	31	40
7	26	e15	e13	e11	e11	e11	17	43	150	40	29	43
8	24	e16	e14	e9.4	e12	e12	16	51	153	41	31	49
9	24	e17	e14	e11	e10	e12	16	66	153	40	33	48
10	24	e17	e14	e14	e11	e12	18	76	150	39	31	46
11	24	e18	e13	e12	e11	e12	16	94	140	37	44	43
12	24	e17	e13	e13	e11	12	16	123	123	37	29	44
13	24	e13	e15	e13	e11	13	17	149	117	37	29	43
14	24	e13	e14	e12	e11	12	16	161	98	37	34	45
15	24	e16	e14	e9.8	e11	11	16	161	94	39	37	45
16	23	e15	e11	e11	e10	14	18	179	88	36	32	43
17	22	e13	e12	e9.4	e10	13	22	176	81	31	30	52
18	19	e13	e12	e9.6	e11	13	29	170	79	29	28	55
19	17	e15	e9.0	e11	e11	13	34	175	78	28	27	51
20	17	e14	e15	e12	e11	13	35	179	76	29	28	49
21	17	e14	e12	e11	e11	14	28	155	71	28	30	46
22	17	e16	e14	e11	e11	14	24	125	70	27	30	41
23	19	e16	e14	e12	e11	14	25	133	66	25	27	37
24	21	e15	e13	e11	e11	14	26	150	64	25	26	34
25	20	e16	e14	e12	e11	14	30	156	65	25	26	25
26	19	e15	e12	e12	e10	15	37	161	64	27	26	22
27	20	e16	e9.6	e12	e11	15	48	159	64	27	29	21
28	21	e16	e12	e11	e11	13	58	164	59	24	31	19
29	21	e15	e10	e11	---	14	62	161	58	23	31	26
30	20	e15	e11	e10	---	14	70	157	54	22	47	29
31	20	---	e14	e9.6	---	14	---	161	---	23	48	---
TOTAL	737	484	397.6	348.8	306	394	798	3881	3151	1049	965	1209
MEAN	23.8	16.1	12.8	11.3	10.9	12.7	26.6	125	105	33.8	31.1	40.3
MAX	36	20	15	14	12	15	70	179	180	51	48	55
MIN	17	13	9.0	9.4	10	11	15	43	54	22	26	19
AC-FT	1460	960	789	692	607	781	1580	7700	6250	2080	1910	2400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2001, BY WATER YEAR (WY)

MEAN	30.4	22.4	17.7	15.4	14.7	16.2	31.1	143	386	176	61.1	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	33.8	21.2	17.7
(WY)	1995	1995	1995	1995	1981	1981	1983	1995	1989	2001	1981	1981

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1980 - 2001	
ANNUAL TOTAL	16814.6		13720.4			
ANNUAL MEAN	45.9		37.6		a130	
HIGHEST ANNUAL MEAN					194	1984
LOWEST ANNUAL MEAN					35.7	1981
HIGHEST DAILY MEAN	e330	May 30	180	Jun 2	1930	Jun 8 1985
LOWEST DAILY MEAN	e9.0	Jan 30	e9.0	Dec 19	b8.0	Jan 11 1980
ANNUAL SEVEN-DAY MINIMUM	12	Dec 24	11	Jan 15	9.2	Mar 22 1981
MAXIMUM PEAK FLOW			225	Jun 2	d2350	Jun 8 1985
MAXIMUM PEAK STAGE			c2.43	Jun 2	5.10	Jun 8 1985
ANNUAL RUNOFF (AC-FT)	33350		27210		a94180	
10 PERCENT EXCEEDS	107		93		173	
50 PERCENT EXCEEDS	26		21		28	
90 PERCENT EXCEEDS	14		11		13	

e Estimated.
a Includes Twin Lakes Tunnel diversions.
b Also occurred Dec 31, 1994.
c Maximum gage height, 2.58 ft, Jan 18, backwater from ice.
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.
WATER TEMPERATURE: December 1999 to June 2000.

INSTRUMENTATION.--Water-quality monitor, December 1999 to June 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
NOV													
07...	1545	14	80	8.0	.7	10.4	<1	<1	34.7	11.1	1.67	2.2	.160
FEB													
07...	1640	12	85	7.9	1.9	--	<1	<1	--	--	--	--	--
APR													
05...	1720	18	77	7.9	4.5	10.2	<1	E2	31.4	10.0	1.55	2.0	.155
MAY													
30...	1720	155	36	7.7	9.1	9.1	E2	E1	15.1	4.72	.810	.7	.075
JUL													
17...	1015	31	58	7.9	9.7	8.7	E7	E3	--	--	--	--	--
AUG													
28...	1420	31	66	7.9	13.7	7.7	E10	E4	28.1	8.97	1.39	1.7	.140

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, 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)
NOV													
07...	.47	30	7.8	.3	.5	7.8	50.4	.07	1.9	<.001	.074	<.002	E.05
FEB													
07...	--	--	--	--	--	--	--	--	--	<.001	.120	<.002	.09
APR													
05...	.45	28	8.0	.6	.5	6.8	47.3	.06	2.3	<.001	.089	.007	.08
MAY													
30...	.31	16	1.8	.4	.3	6.1	24.5	.03	10	<.001	.012	<.002	.26
JUL													
17...	--	--	--	--	--	--	--	--	--	<.001	.021	.004	.10
AUG													
28...	.36	25	6.4	.2	.4	6.5	41.0	.06	3.4	<.001	.021	.003	<.08

DATE	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				
07...	<.10	<.004	<.006	<.007
FEB				
07...	<.10	<.004	E.003	<.007
APR				
05...	E.08	E.003	E.003	<.007
MAY				
30...	.12	.006	<.006	<.007
JUL				
17...	E.06	E.003	<.006	<.007
AUG				
28...	E.06	E.003	<.006	<.007

E Estimated laboratory analysis value.

09073300 ROARING FORK RIVER ABOVE DIFFICULT CREEK NEAR ASPEN, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
NOV										
07...	<.14	E.9	40	<1.00	4	E3.2	<.23	<2.4	<.2	<20
APR										
05...	<.14	E.8	90	<1.00	3	<3.2	<.01	<2.4	<.2	<20
MAY										
30...	<.10	E1.2	70	<1.00	E3	<3.0	<.01	<2.0	<.2	<20
AUG										
28...	<.10	1.4	60	<1.00	4	<3.0	M	<2.0	<.2	<20

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
02...	1725	36	82	9.5	10...	1325	39	54	14.6
MAY					AUG				
10...	1310	71	51	6.0	21...	1530	30	66	14.6
JUN									
06...	1340	109	36	8.9					

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, (45,650 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	31	e24	e22	e23	24	28	130	304	84	37	60
2	46	32	e23	e23	e22	22	30	154	321	81	42	56
3	48	31	e25	e21	e24	22	32	120	310	77	39	55
4	50	30	e25	e23	e23	24	35	93	272	73	49	52
5	52	34	e27	e24	e23	23	36	85	235	70	42	48
6	47	31	e27	e25	e23	24	33	74	250	66	49	50
7	41	26	e26	e23	e23	24	31	70	284	66	44	54
8	37	29	e27	e19	e23	24	30	75	288	65	48	62
9	36	29	e27	e21	e21	24	28	100	280	66	56	62
10	36	29	e26	e25	e23	24	30	116	278	65	50	59
11	36	31	e25	e24	e23	24	29	144	257	60	68	54
12	36	29	e26	e25	e23	24	28	190	227	60	46	55
13	36	e26	e27	e25	e23	25	30	231	217	63	40	54
14	35	e25	e27	e24	e23	23	28	251	184	63	51	59
15	34	e29	e27	e20	e22	22	28	245	179	70	64	58
16	34	e28	e22	e22	e21	23	30	273	175	61	49	54
17	33	e24	e24	e19	e22	25	34	277	159	50	43	68
18	30	e26	e23	e20	24	24	42	264	157	46	39	78
19	27	29	e18	e22	24	24	51	283	152	43	37	68
20	27	28	e26	e24	23	25	55	295	147	43	38	62
21	26	28	e25	e22	24	27	44	263	137	42	44	59
22	27	29	e27	e22	24	29	41	214	132	40	48	53
23	29	28	e26	e24	23	28	38	229	123	36	41	47
24	32	28	e26	e23	23	29	41	263	115	36	38	44
25	31	28	e25	e24	23	29	46	272	116	39	36	36
26	29	30	e24	e24	22	29	55	291	111	43	36	32
27	31	29	e19	e23	24	29	68	281	117	46	35	30
28	33	28	e23	e23	23	26	86	300	104	37	40	28
29	33	29	e21	e23	---	28	93	293	98	33	39	31
30	31	28	e22	e21	---	27	105	275	91	31	55	36
31	32	---	e25	e20	---	27	---	289	---	32	60	---
TOTAL	1103	862	765	700	642	782	1285	6440	5820	1687	1403	1564
MEAN	35.6	28.7	24.7	22.6	22.9	25.2	42.8	208	194	54.4	45.3	52.1
MAX	52	34	27	25	24	29	105	300	321	84	68	78
MIN	26	24	18	19	21	22	28	70	91	31	35	28
AC-FT	2190	1710	1520	1390	1270	1550	2550	12770	11540	3350	2780	3100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	44.4	35.4	30.1	27.0	25.8	27.8	49.0	199	428	202	70.5	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	26347		23053			
ANNUAL MEAN	72.0		63.2		a153	
HIGHEST ANNUAL MEAN					229	1984
LOWEST ANNUAL MEAN					42.1	1977
HIGHEST DAILY MEAN	529	May 30	321	Jun 2	1900	Jul 10 1995
LOWEST DAILY MEAN	e16	Jan 30	e18	Dec 19	12	Nov 28 1976
ANNUAL SEVEN-DAY MINIMUM	22	Jan 28	21	Jan 15	15	Feb 1 1977
MAXIMUM PEAK FLOW			385	Jun 2	b2230	Jul 11 1995
MAXIMUM PEAK STAGE			2.62	Jun 2	5.97	Jul 11 1995
ANNUAL RUNOFF (AC-FT)	52260		45730		a110800	
10 PERCENT EXCEEDS	179		165		251	
50 PERCENT EXCEEDS	40		33		41	
90 PERCENT EXCEEDS	25		23		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	7.8	e4.2	e3.5	e3.1	e3.0	4.9	75	122	33	25	16
2	12	8.7	e4.0	e3.6	e3.5	e2.9	5.2	93	141	32	39	14
3	10	8.6	e4.4	e3.2	e3.2	e2.9	5.8	68	129	32	31	14
4	10	8.9	e4.3	e3.6	e3.2	e2.9	8.2	47	98	31	26	12
5	13	9.3	e4.7	e3.8	e3.2	e2.9	9.1	41	80	31	27	12
6	15	e7.0	e4.7	e3.6	e3.2	e3.0	8.3	36	92	31	38	13
7	12	e5.4	e4.5	e2.9	e3.3	3.1	6.9	36	109	31	38	21
8	11	e5.8	e4.6	e3.2	e2.9	3.3	6.4	47	112	31	46	19
9	9.5	e6.2	e4.7	e3.7	e3.1	3.4	6.2	73	104	33	56	19
10	9.5	e6.0	e4.5	e4.2	e3.1	3.2	6.8	82	98	33	51	17
11	10	e6.4	e4.3	e3.7	e3.1	3.2	7.0	102	84	30	44	13
12	10	e5.8	e4.4	e3.9	e3.1	3.2	6.7	138	67	30	35	12
13	9.9	e4.8	e5.0	e3.9	e3.2	3.4	6.0	175	63	31	29	11
14	8.6	e4.6	e4.6	e3.7	e3.1	3.1	5.9	206	54	34	41	15
15	6.7	e5.6	e4.6	e2.9	e2.8	3.8	6.2	213	63	37	71	15
16	7.0	e5.0	e3.6	e3.4	e2.9	4.0	8.2	240	56	33	43	13
17	7.0	e4.5	e4.0	e2.8	e3.1	3.2	12	243	48	28	36	25
18	6.9	e4.7	e3.9	e2.9	e3.1	3.1	17	218	46	25	32	30
19	6.8	e5.2	e3.0	e3.4	e3.0	3.4	23	109	44	24	29	21
20	6.7	e5.0	e3.4	e3.5	e3.1	4.0	25	113	43	23	27	17
21	6.6	e5.0	e4.8	e3.2	e3.1	4.5	22	94	42	21	33	14
22	6.6	e5.6	e4.0	e3.2	e3.0	4.7	19	84	40	21	24	13
23	7.5	e5.6	e4.7	e3.6	e3.0	e4.6	18	87	38	20	21	13
24	8.5	e5.0	e4.6	e3.3	e2.9	e4.7	14	91	38	21	19	11
25	8.2	e5.4	e4.3	e3.5	e2.8	e4.7	18	91	38	22	16	9.3
26	7.6	e5.0	e3.1	e3.5	e3.1	e4.6	26	89	39	31	16	8.8
27	8.6	e5.4	e3.8	e3.5	e2.9	e4.5	34	87	38	31	14	10
28	9.4	e5.4	e3.3	e3.3	e3.0	4.2	38	92	36	23	13	9.7
29	10	e5.0	e3.5	e2.9	---	4.2	45	91	34	20	14	9.4
30	8.8	e5.0	e3.8	e2.8	---	4.1	56	98	33	19	13	9.3
31	9.9	---	e4.3	e3.2	---	4.1	---	108	---	21	16	---
TOTAL	287.3	177.7	129.6	105.4	86.1	113.9	474.8	3367	2029	863	963	436.5
MEAN	9.27	5.92	4.18	3.40	3.08	3.67	15.8	109	67.6	27.8	31.1	14.6
MAX	15	9.3	5.0	4.2	3.5	4.7	56	243	141	37	71	30
MIN	6.6	4.5	3.0	2.8	2.8	2.9	4.9	36	33	19	13	8.8
AC-FT	570	352	257	209	171	226	942	6680	4020	1710	1910	866

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2001, BY WATER YEAR (WY)

MEAN	16.5	10.8	7.05	5.97	5.52	6.62	19.8	125	202	78.0	32.6	19.5
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	67.6	27.8	10.6	7.03
(WY)	1990	1990	1981	1981	1990	1990	1983	1995	2001	2001	1980	1980

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1980 - 2001	
ANNUAL TOTAL	13007.4		9033.3			
ANNUAL MEAN	35.5		24.7		a44.3	
HIGHEST ANNUAL MEAN					81.2	1996
LOWEST ANNUAL MEAN					24.7	2001
HIGHEST DAILY MEAN	454	May 30	243	May 17	786	Jun 6 1988
LOWEST DAILY MEAN	e2.8	Jan 30	e2.8	Jan 17	1.8	Dec 20 1980
ANNUAL SEVEN-DAY MINIMUM	3.7	Dec 25	2.9	Feb 27	1.9	Dec 20 1980
MAXIMUM PEAK FLOW			305	May 15	b1170	Jun 8 1985
MAXIMUM PEAK STAGE			2.63	May 15	c2.33	Jun 8 1985
ANNUAL RUNOFF (AC-FT)	25800		17920		32060	
10 PERCENT EXCEEDS	103		72		116	
50 PERCENT EXCEEDS	8.9		9.3		13	
90 PERCENT EXCEEDS	4.4		3.1		4.8	

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.

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 May 2001 (seasonal records only, discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1999 to May 2001 (seasonal records only, discontinued).
WATER TEMPERATURE: December 1999 to May 2001 (seasonal records only, discontinued).

INSTRUMENTATION.--Water quality monitor with satellite telemetry, December 1999 to May 2001.

REMARKS.--Specific conductance record is good. Water temperature record is good.

EXTREMES FOR PERIOD OF DAILY RECORD (seasonal only).--
SPECIFIC CONDUCTANCE: Maximum, 506 microsiemens/cm, Mar. 21, 2001; minimum, 129 microsiemens/cm, May 31, 2000.
WATER TEMPERATURE: Maximum, 14.4 °C, June 15, 2000, and Apr. 26, 2001; minimum, 0.0°C on many days during winter months.

EXTREMES FOR CURRENT YEAR (seasonal only).--
SPECIFIC CONDUCTANCE: Maximum, 506 microsiemens/cm, Mar. 21; minimum, 241 microsiemens/cm, May 2.
WATER TEMPERATURE: Maximum, 14.4°C, Apr. 26; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
NOV						
01...	1430	189	454	8.6	5.0	3.0
22...	1330	195	447	8.6	0	3.2
DEC						
05...	1230	190	472	8.5	0	3.9
05...	1430	190	472	8.6	0	3.6
19...	2000	--	502	8.4	0	5.2
20...	1000	156	466	8.3	0	4.3
JAN						
02...	2000	--	479	8.4	0	4.0
03...	1000	95	490	8.5	0	5.2
23...	1800	--	470	8.5	0	3.8
24...	1100	137	478	8.5	0	4.2
FEB						
06...	1700	125	455	8.7	0	5.1
07...	0430	--	458	8.3	0	5.2
20...	1230	125	476	9.0	2.8	5.3
20...	2300	--	486	8.5	3.1	5.0
MAR						
09...	0230	--	499	8.2	4.2	5.9
09...	0800	128	490	8.4	3.5	6.0
26...	2230	--	475	8.2	5.2	5.6
27...	0830	142	484	8.6	4.0	6.0
APR						
04...	1430	--	457	8.9	10.0	4.5
12...	2330	--	483	8.4	4.9	4.4
13...	0830	131	478	8.5	2.0	5.3
MAY						
03...	1030	439	274	8.3	4.4	2.2

392110107011300 ROARING FORK RIVER NEAR BASALT, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	449	438	440	466	446	453	---	---	---
2	---	---	---	450	439	444	478	---	---	---	---	---
3	---	---	---	453	443	449	462	434	448	491	---	---
4	---	---	---	454	437	447	466	429	451	467	---	---
5	---	---	---	454	426	437	461	436	451	462	446	457
6	---	---	---	447	431	439	455	---	---	462	447	456
7	---	---	---	468	434	450	464	438	457	475	452	464
8	---	---	---	463	447	453	447	422	438	504	466	481
9	---	---	---	454	441	450	448	438	442	---	475	---
10	---	---	---	449	431	445	460	435	449	---	---	---
11	---	---	---	438	431	435	452	436	445	464	439	457
12	---	---	---	451	436	440	455	---	---	464	450	456
13	---	---	---	484	429	457	---	---	---	455	447	450
14	---	---	---	486	---	---	450	444	447	464	448	459
15	---	---	---	457	418	4440	452	432	445	498	449	474
16	---	---	---	---	---	---	469	434	456	---	---	---
17	---	---	---	464	---	---	472	433	452	502	477	485
18	---	---	---	459	---	---	462	446	456	502	486	491
19	---	---	---	---	---	---	501	462	483	486	461	473
20	---	---	---	---	---	---	471	---	---	468	455	463
21	---	---	---	459	439	453	---	397	---	461	446	456
22	---	---	---	---	428	---	---	---	---	483	443	453
23	---	---	---	443	429	436	---	---	---	---	443	---
24	---	---	---	452	440	447	---	---	---	---	---	---
25	---	---	---	446	434	440	---	---	---	---	---	---
26	---	---	---	455	441	447	---	---	---	---	---	---
27	---	---	---	448	438	443	---	---	---	---	449	---
28	---	---	---	447	441	444	---	---	---	463	449	456
29	---	---	---	453	439	447	---	---	---	462	453	458
30	---	---	---	450	441	446	---	---	---	---	462	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	488	451	462	488	460	477	307	267	280
2	---	---	---	484	454	467	480	451	466	280	241	255
3	---	---	---	495	455	467	472	451	460	---	---	---
4	---	---	---	494	451	464	464	442	452	---	---	---
5	466	445	455	474	456	463	456	436	445	---	---	---
6	466	439	451	480	452	464	447	438	443	---	---	---
7	454	433	444	472	451	462	452	440	448	---	---	---
8	459	449	454	479	451	465	459	437	449	---	---	---
9	474	455	462	482	453	467	464	448	458	---	---	---
10	474	453	466	483	458	471	466	445	457	---	---	---
11	472	450	459	483	458	470	458	426	437	---	---	---
12	475	457	461	483	456	469	464	454	458	---	---	---
13	479	431	460	485	461	474	466	449	458	---	---	---
14	479	444	455	485	457	472	468	449	459	---	---	---
15	476	455	461	487	462	476	473	452	461	---	---	---
16	482	442	461	495	462	476	474	444	458	---	---	---
17	484	447	465	496	451	468	464	432	446	---	---	---
18	484	447	462	487	455	470	446	409	425	---	---	---
19	483	448	457	497	455	474	418	384	400	---	---	---
20	476	455	462	499	457	482	396	362	376	---	---	---
21	483	451	459	506	458	484	390	369	379	---	---	---
22	469	456	462	492	453	472	388	371	379	---	---	---
23	470	452	462	488	437	468	423	385	404	---	---	---
24	471	457	464	488	448	469	427	406	414	---	---	---
25	486	463	470	481	451	467	427	397	409	---	---	---
26	488	450	465	477	448	463	413	374	392	---	---	---
27	495	454	463	483	457	469	392	343	361	---	---	---
28	482	447	465	491	461	476	357	324	336	---	---	---
29	---	---	---	493	463	477	333	312	320	---	---	---
30	---	---	---	485	467	476	322	296	304	---	---	---
31	---	---	---	487	473	480	---	---	---	---	---	---
MONTH	---	---	---	506	437	470	488	296	421	---	---	---

392110107011300 ROARING FORK RIVER NEAR BASALT, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	.5	.0	.1	.1	.0	.0
2	---	---	---	5.1	2.8	3.8	.1	.0	.0	.1	.0	.0
3	---	---	---	5.0	2.1	3.4	.1	.0	.0	.1	.0	.0
4	---	---	---	5.2	1.6	3.4	.1	.0	.0	.1	.0	.0
5	---	---	---	3.8	1.4	2.9	.1	.0	.1	.1	.0	.0
6	---	---	---	3.4	.8	1.9	.1	.0	.0	.1	.0	.0
7	---	---	---	1.8	.1	.8	.1	.0	.0	.1	.0	.0
8	---	---	---	2.6	.1	1.2	.1	.0	.0	.1	.0	.0
9	---	---	---	4.3	1.2	2.4	2.0	.0	.9	.1	.0	.0
10	---	---	---	3.0	.6	1.6	2.2	.3	1.3	.1	.0	.0
11	---	---	---	2.4	.7	1.4	.3	.0	.1	.1	.0	.0
12	---	---	---	1.5	.1	.6	.0	.0	.0	.1	.0	.0
13	---	---	---	.3	.0	.1	1.1	.0	.3	.1	.0	.0
14	---	---	---	.2	.0	.1	1.3	.1	.6	.1	.0	.0
15	---	---	---	.1	.0	.1	.7	.0	.2	.1	.0	.0
16	---	---	---	.1	.0	.1	.1	.0	.0	.1	.0	.0
17	---	---	---	.1	.0	.1	.1	.0	.0	.1	.0	.0
18	---	---	---	.1	.0	.0	.1	.0	.0	.1	.0	.0
19	---	---	---	.1	.0	.0	.1	.0	.0	.1	.0	.0
20	---	---	---	.1	.0	.0	.1	.0	.1	.1	.0	.0
21	---	---	---	.1	.0	.0	.1	.0	.0	.1	.0	.0
22	---	---	---	.1	.0	.0	.1	.0	.0	.1	.0	.0
23	---	---	---	.1	.0	.0	.1	.0	.0	.1	.0	.0
24	---	---	---	.1	.0	.0	.1	.0	.0	.1	.0	.0
25	---	---	---	.2	.0	.1	.1	.0	.0	.0	.0	.0
26	---	---	---	.3	.0	.2	.1	.0	.0	.1	.0	.0
27	---	---	---	1.4	.2	.7	.1	.0	.0	.1	.0	.0
28	---	---	---	2.9	1.2	1.9	.1	.0	.0	.1	.0	.0
29	---	---	---	1.6	.0	.8	.1	.0	.0	.1	.0	.0
30	---	---	---	2.8	.5	1.7	.1	.0	.0	.1	.0	.0
31	---	---	---	---	---	---	.1	.0	.0	.1	.0	.0
MONTH	---	---	---	---	---	---	2.2	.0	.1	.1	.0	.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.1	.0	.0	4.4	1.5	2.8	10.2	4.4	7.2	12.8	6.8	10.0
2	.0	.0	.0	4.6	.6	2.6	10.5	6.1	7.9	10.9	7.7	9.0
3	.1	.0	.0	4.4	.0	2.2	11.7	5.5	8.5	---	---	---
4	.1	.0	.0	5.5	.9	3.2	11.7	6.4	8.9	---	---	---
5	.2	.0	.0	4.2	1.0	2.7	9.2	5.7	7.3	---	---	---
6	.3	.0	.1	5.4	1.4	3.5	7.2	4.8	6.5	---	---	---
7	.7	.1	.2	5.7	2.1	3.9	9.0	3.5	6.1	---	---	---
8	1.9	.3	1.0	7.1	1.9	4.5	7.3	5.0	5.9	---	---	---
9	.3	.0	.1	7.0	3.6	5.1	10.7	3.2	6.6	---	---	---
10	.2	.0	.1	5.5	3.5	4.4	7.8	4.5	6.1	---	---	---
11	2.7	.0	1.1	4.0	2.3	3.1	7.6	2.0	4.6	---	---	---
12	3.4	.6	1.7	4.1	1.4	2.7	7.5	3.2	5.3	---	---	---
13	3.1	.0	1.5	7.0	2.2	4.3	10.3	2.1	6.0	---	---	---
14	3.0	1.1	1.9	3.9	.7	2.4	7.3	3.9	5.6	---	---	---
15	3.0	.2	1.5	5.1	.0	2.2	11.7	2.9	6.9	---	---	---
16	1.9	.0	.7	3.6	.5	2.1	12.9	4.4	8.4	---	---	---
17	2.2	.0	.8	6.9	1.7	4.1	14.1	5.5	9.6	---	---	---
18	2.3	.0	1.0	5.4	2.4	3.9	12.4	6.4	9.4	---	---	---
19	4.3	1.7	2.8	7.8	1.0	4.3	14.2	8.0	10.4	---	---	---
20	4.5	.7	2.6	9.5	2.9	6.1	11.0	7.1	9.0	---	---	---
21	3.6	1.3	2.7	9.6	4.6	6.7	10.3	5.3	7.6	---	---	---
22	4.2	1.8	3.0	8.2	4.9	6.4	7.7	3.4	4.8	---	---	---
23	3.8	1.6	2.6	9.1	4.2	6.3	9.5	2.2	5.6	---	---	---
24	3.0	.9	1.9	9.3	3.7	6.4	12.5	4.3	8.2	---	---	---
25	3.5	.0	1.6	9.0	4.5	6.7	13.5	5.7	9.4	---	---	---
26	2.5	.0	1.1	7.9	4.4	6.0	14.4	6.5	10.3	---	---	---
27	4.0	1.1	2.3	7.8	3.9	5.6	14.0	7.3	10.5	---	---	---
28	3.3	.0	1.8	6.6	2.4	4.5	11.5	8.5	9.9	---	---	---
29	---	---	---	7.2	3.3	5.1	11.9	7.0	9.4	---	---	---
30	---	---	---	7.8	3.6	5.6	13.1	6.7	9.8	---	---	---
31	---	---	---	9.8	2.7	6.1	---	---	---	---	---	---
MONTH	4.5	.0	1.2	9.8	.0	4.4	14.4	2.0	7.7	---	---	---

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, 96,200 acre-ft, July 21 and 23, elevation, 7,759.69 ft; minimum contents, 66,790 acre-ft, Apr. 17, elevation, 7,725.32 ft.

MONTHEND ELEVATION IN FEET ABOVE SEA LEVEL AND CONTENTS, AT 2400, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	7742.09	80,280	
Oct. 31	7738.16	76,980	-3,300
Nov. 30	7736.56	75,650	-1,330
Dec. 31	7734.28	73,790	-1,860
CAL YR 2000	-	-	-1,970
Jan. 31	7731.46	71,540	-2,250
Feb. 28	7728.69	69,370	-2,170
Mar. 31	7726.06	67,350	-2,020
Apr. 30	7727.44	68,400	+1,050
May 31	7747.38	84,880	+16,480
June 30	7756.95	93,600	+8,720
July 31	7758.60	95,160	+1,560
Aug. 31	7753.12	90,050	-5,110
Sept. 30	7739.60	78,180	-11,870
WATER YEAR 2001	-	-	-2,100

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	73	72	70	68	70	73	129	267	108	181	237
2	82	73	72	70	68	70	73	131	267	107	181	237
3	82	73	72	70	68	70	73	134	267	107	181	237
4	82	73	71	70	68	70	74	136	265	107	182	237
5	102	73	72	71	68	70	73	137	262	107	182	237
6	108	73	71	70	68	70	72	136	260	107	172	312
7	107	73	71	70	68	70	72	133	260	107	131	345
8	109	73	71	70	68	70	72	132	258	107	109	344
9	109	73	71	70	68	70	72	130	257	106	109	344
10	109	73	72	70	69	70	72	130	256	105	136	344
11	117	73	72	70	70	70	71	132	256	106	212	343
12	148	72	71	71	70	70	70	134	244	106	212	342
13	149	72	71	71	70	70	87	139	204	106	212	327
14	151	72	71	71	70	70	130	143	183	106	212	254
15	150	72	72	71	70	71	130	145	155	106	217	234
16	150	72	71	71	70	71	131	150	154	106	244	234
17	150	72	71	71	70	71	126	152	153	106	245	234
18	151	72	71	71	70	71	126	152	131	106	246	234
19	150	73	71	71	70	71	126	153	96	105	246	234
20	150	73	71	70	70	72	126	155	95	108	246	234
21	150	73	71	70	70	71	125	153	94	110	246	234
22	150	73	71	70	70	71	126	150	103	109	246	234
23	150	73	71	70	70	71	126	149	106	109	245	233
24	150	73	71	70	70	71	126	150	106	137	244	233
25	152	73	71	70	70	71	127	152	106	181	243	233
26	146	73	70	70	70	72	128	153	106	181	243	233
27	115	73	71	70	70	72	127	153	105	181	242	232
28	115	73	71	70	70	73	127	154	106	181	242	232
29	115	73	71	69	---	73	128	171	109	181	241	232
30	92	73	71	69	---	73	128	228	109	181	239	231
31	73	---	71	68	---	73	---	268	---	181	238	---
TOTAL	3846	2183	2207	2175	1941	2198	3117	4664	5340	3861	6525	7871
MEAN	124	72.8	71.2	70.2	69.3	70.9	104	150	178	125	210	262
MAX	152	73	72	71	70	73	131	268	267	181	246	345
MIN	73	72	70	68	68	70	70	129	94	105	109	231
AC-FT	7630	4330	4380	4310	3850	4360	6180	9250	10590	7660	12940	15610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2001, BY WATER YEAR (WY)

MEAN	154	124	134	130	133	143	163	271	366	267	169	151
MAX	366	185	224	228	250	280	370	669	950	812	293	262
(WY)	1970	1985	1996	1996	1996	1996	1971	1970	1984	1995	2000	2001
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1969 - 2001	
ANNUAL TOTAL	58011		45928			
ANNUAL MEAN	158		126		a184	
HIGHEST ANNUAL MEAN					288	1984
LOWEST ANNUAL MEAN					83.9	1977
HIGHEST DAILY MEAN	394	Jun 12	345	Sep 7	1390	Jun 25 1983
LOWEST DAILY MEAN	70	Dec 26	68	Jan 31	b28	Nov 14 1995
ANNUAL SEVEN-DAY MINIMUM	71	Dec 20	68	Jan 31	29	Mar 5 1981
MAXIMUM PEAK FLOW			349	Sep 6	c1400	Sep 16 1976
MAXIMUM PEAK STAGE			2.35	Sep 6	d3.50	Sep 16 1976
ANNUAL RUNOFF (AC-FT)	115100		91100		133300	
10 PERCENT EXCEEDS	284		240		301	
50 PERCENT EXCEEDS	128		106		154	
90 PERCENT EXCEEDS	72		70		80	

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.

09081000 ROARING FORK RIVER NEAR EMMA, CO

LOCATION.--Lat 39°22'24", long 107°05'00", in SW$^{1}/_{4}$NW$^{1}/_{4}$ 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.--Records good except for the period Dec. 21 to Jan. 4, which are fair, and estimated daily discharges, which are poor. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	321	290	268	239	e204	217	231	469	1690	755	404	459
2	310	294	267	248	e200	211	238	565	1910	694	418	447
3	301	302	278	225	229	212	245	569	1910	646	427	438
4	308	304	272	255	226	216	251	519	1690	632	473	421
5	326	322	277	256	224	215	256	530	1400	599	440	412
6	330	307	277	251	228	216	249	493	1370	567	472	448
7	332	292	272	238	233	217	241	474	1560	574	529	509
8	326	296	277	208	227	216	240	461	1650	560	461	515
9	323	306	278	277	214	222	230	492	1660	571	499	521
10	323	306	274	281	221	221	231	516	1770	641	503	511
11	322	314	276	246	226	219	249	532	1720	579	567	493
12	344	300	271	254	220	216	235	639	1570	541	515	492
13	346	283	276	237	217	214	236	804	1450	575	478	490
14	344	278	271	226	223	218	273	1020	1170	587	523	444
15	343	301	280	206	215	209	270	1010	951	609	688	411
16	345	290	268	247	213	208	276	1200	904	583	633	401
17	347	279	278	211	214	216	286	1280	843	511	576	429
18	345	288	272	e180	219	211	300	1200	884	466	544	473
19	337	298	228	e210	221	210	329	1170	855	442	522	450
20	335	293	295	e220	219	219	355	1220	869	425	512	434
21	334	290	271	e200	225	234	328	1210	836	412	548	427
22	332	304	274	e200	220	243	333	989	876	397	572	414
23	333	300	262	e220	221	244	310	1000	803	383	538	410
24	343	291	257	e210	217	243	297	1150	802	381	515	411
25	343	290	260	e216	213	246	301	1230	882	432	494	396
26	341	280	248	223	210	247	307	1330	901	443	482	390
27	320	285	226	222	221	254	334	1310	997	463	469	385
28	318	286	269	222	213	239	369	1480	847	409	461	381
29	323	280	236	221	---	234	407	1490	824	386	449	377
30	311	284	279	e184	---	230	430	1410	779	374	445	378
31	291	---	269	e180	---	228	---	1600	---	379	467	---
TOTAL	10197	8833	8306	7013	6133	6945	8637	29362	36373	16016	15624	13167
MEAN	329	294	268	226	219	224	288	947	1212	517	504	439
MAX	347	322	295	281	233	254	430	1600	1910	755	688	521
MIN	291	278	226	180	200	208	230	461	779	374	404	377
AC-FT	20230	17520	16470	13910	12160	13780	17130	58240	72150	31770	30990	26120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

MEAN	442	297	260	247	233	241	387	1046	1649	974	601	464
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	329	278	242	226	219	224	258	920	1212	517	504	377
(WY)	2001	1999	1999	2001	2001	2001	1999	1999	2001	2001	2001	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1998 - 2001	
ANNUAL TOTAL	189006		166606			
ANNUAL MEAN	516		456		558	
HIGHEST ANNUAL MEAN					680	1999
LOWEST ANNUAL MEAN					456	2001
HIGHEST DAILY MEAN	2490	May 30	1910	Jun 2	3320	Jun 25 1999
LOWEST DAILY MEAN	204	Jan 30	e180	Jan 18	e170	Dec 23 1998
ANNUAL SEVEN-DAY MINIMUM	225	Mar 17	205	Jan 27	205	Jan 27 2001
MAXIMUM PEAK FLOW			2210	Jun 3	8070	Jun 19 1909
MAXIMUM PEAK STAGE			8.03	Jun 3	a10.40	Jun 19 1909
ANNUAL RUNOFF (AC-FT)	374900		330500		404400	
10 PERCENT EXCEEDS	1040		891		1300	
50 PERCENT EXCEEDS	336		323		442	
90 PERCENT EXCEEDS	238		217		231	

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
NOV													
08...	1040	288	410	8.4	1.7	11.8	E1000	>270	195	60.6	10.6	4.3	.135
FEB													
07...	1135	230	404	8.6	1.9	--	E1	E2	--	--	--	--	--
APR													
04...	1710	247	408	8.9	10.2	9.9	E1	E1	201	62.8	10.6	4.3	.132
MAY													
29...	1750	1360	225	8.3	11.0	8.8	E28	E30	105	33.8	4.91	1.5	.065
JUL													
17...	1355	512	356	8.5	13.1	8.9	41	E15	--	--	--	--	--
AUG													
28...	0940	478	354	8.3	10.4	9.1	53	E90	170	53.9	8.53	3.2	.107

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, 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)
NOV													
08...	1.24	113	91.1	4.0	.2	8.7	250	.34	194	.001	.184	.024	--
FEB													
07...	--	--	--	--	--	--	--	--	--	.002	.317	.008	--
APR													
04...	1.31	102	98.0	3.6	.3	6.9	250	.34	167	.003	.122	.021	.152
MAY													
29...	.79	65	41.2	1.3	.2	6.1	129	.18	474	.001	.074	.003	--
JUL													
17...	--	--	--	--	--	--	--	--	--	.001	.090	.009	--
AUG													
28...	.98	97	77.1	2.3	.2	7.9	212	.29	274	<.001	.095	.010	--

DATE	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					
08...	.14	E.07	.021	.015	.015
FEB					
07...	.28	E.09	.060	.032	.032
APR					
04...	.30	.17	.052	.035	.032
MAY					
29...	.14	E.09	.026	.007	<.007
JUL					
17...	.12	E.07	.015	.014	.010
AUG					
28...	.10	E.10	.017	.010	E.006

E Estimated laboratory analysis value.

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)
NOV										
08...	<.14	<1.3	40	<1.00	5	E2.7	<.23	<2.4	<.2	<20
APR										
04...	<.14	<1.3	90	<1.00	9	E1.9	<.01	<2.4	<.2	<20
MAY										
29...	<.10	<1.0	280	<1.00	17	3.3	<.01	<2.0	<.2	<20
AUG										
28...	<.10	<1.0	80	<1.00	10	4.1	<.01	<2.0	<.2	<20

E Estimated laboratory analysis value.

09081000 ROARING FORK RIVER NEAR EMMA, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
05...	1320	332	401	10.8	06...	1625	1300	240	12.9
JAN					JUL				
04...	1225	234	393	0	10...	1540	617	319	17.3
APR					AUG				
03...	1400	229	416	9.7	22...	0945	556	342	10.5

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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...	1040	288	1.7	2	1.5
APR					
04...	1710	247	10.2	5	3.1
MAY					
08...	0900	466	6.0	31	39
29...	1750	1360	11.0	18	67
JUL					
17...	1355	512	13.1	3	4.6
AUG					
28...	0940	478	10.4	5	6.2

09081600 CRYSTAL RIVER ABOVE AVALANCHE CREEK, NEAR REDSTONE, CO

LOCATION.--Lat 39°13'56", long 107°13'36", in $SE^1/_4SW^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	64	45	40	40	41	65	556	1200	491	146	113
2	92	65	43	42	39	40	69	581	1260	427	141	109
3	88	63	47	37	44	39	73	475	1200	381	134	101
4	91	62	46	42	41	39	88	385	1040	384	197	97
5	113	70	51	44	41	40	92	345	890	351	157	95
6	107	63	52	45	41	40	91	308	909	340	212	96
7	97	55	49	42	41	41	82	298	1060	313	282	98
8	95	58	51	34	42	42	80	333	1120	309	255	89
9	89	63	52	39	37	45	76	410	1160	309	291	86
10	87	61	50	50	40	45	77	448	1210	322	230	82
11	86	65	47	44	40	44	78	535	1130	299	189	79
12	84	60	49	47	40	43	77	677	1010	263	168	78
13	82	49	55	47	40	43	75	829	895	261	154	76
14	78	48	51	44	41	44	75	997	669	272	225	85
15	75	59	51	35	40	40	71	1020	552	320	314	79
16	73	54	40	41	37	42	83	1040	506	280	226	76
17	70	46	45	34	38	43	117	1050	551	228	187	96
18	68	49	43	35	41	42	177	980	644	200	165	99
19	66	55	33	41	41	41	226	1040	701	190	149	87
20	66	53	54	43	39	47	237	1040	726	178	140	80
21	66	53	45	39	41	56	181	989	707	169	165	77
22	64	58	53	39	41	65	166	852	710	160	221	75
23	66	58	52	44	40	70	143	912	668	152	191	72
24	74	53	49	41	40	69	137	1030	672	155	162	70
25	73	57	51	43	39	70	162	1110	696	163	144	69
26	67	54	45	43	37	70	234	1120	662	164	131	68
27	67	57	35	43	41	69	e338	1130	640	165	124	65
28	71	57	44	42	39	67	e407	1190	562	146	117	63
29	71	54	38	41	---	63	439	1160	547	135	113	62
30	66	54	41	36	---	60	449	1100	524	128	111	62
31	66	---	50	35	---	61	---	1160	---	150	118	---
TOTAL	2457	1717	1457	1272	1121	1561	4665	25100	24821	7805	5559	2484
MEAN	79.3	57.2	47.0	41.0	40.0	50.4	156	810	827	252	179	82.8
MAX	113	70	55	50	44	70	449	1190	1260	491	314	113
MIN	64	46	33	34	37	39	65	298	506	128	111	62
AC-FT	4870	3410	2890	2520	2220	3100	9250	49790	49230	15480	11030	4930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2001, BY WATER YEAR (WY)

MEAN	99.5	72.6	56.3	49.6	49.2	66.7	193	767	1277	628	202	126
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1956 - 2001	
ANNUAL TOTAL	78813		80019			
ANNUAL MEAN	215		219		299	
HIGHEST ANNUAL MEAN					468	1957
LOWEST ANNUAL MEAN					107	1977
HIGHEST DAILY MEAN	1690	May 30	1260	Jun 2	3500	Jun 25 1983
LOWEST DAILY MEAN	26	Jan 30	33	Dec 19	a22	Dec 5 1955
ANNUAL SEVEN-DAY MINIMUM	36	Jan 28	38	Jan 15	27	Feb 11 1964
MAXIMUM PEAK FLOW			1430	Jun 2	4180	Jun 25 1983
MAXIMUM PEAK STAGE			3.79	Jun 2	6.12	Jun 25 1983
ANNUAL RUNOFF (AC-FT)	156300		158700		216900	
10 PERCENT EXCEEDS	619		698		950	
50 PERCENT EXCEEDS	87		75		95	
90 PERCENT EXCEEDS	43		40		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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
NOV													
09...	1525	64	601	7.8	4.6	10.0	E5	E4	253	85.0	9.87	23.3	.638
FEB													
08...	1710	44	729	7.5	2.6	10.3	E1	E1	--	--	--	--	--
APR													
06...	1210	90	563	7.9	5.5	9.8	<1	E1	241	79.6	10.1	23.3	.655
MAY													
31...	1405	1060	175	8.1	8.7	9.6	<1	E1	78.0	25.6	3.42	3.1	.153
JUL													
18...	1055	206	315	8.0	12.1	8.7	E6	E4	--	--	--	--	--
AUG													
29...	1430	113	439	7.9	15.7	7.8	E14	24	184	61.2	7.67	15.1	.484

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, 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)
NOV													
09...	1.75	127	163	9.2	.3	9.9	379	.52	65	<.001	.072	.005	<.08
FEB													
08...	--	--	--	--	--	--	--	--	--	.001	.090	.015	E.07
APR													
06...	1.63	133	143	7.3	.2	8.5	354	.48	86	.001	.106	.019	.13
MAY													
31...	.50	62	22.6	.8	E.1	4.8	98.3	.13	281	<.001	.073	.002	.11
JUL													
18...	--	--	--	--	--	--	--	--	--	<.001	.045	.005	E.06
AUG													
29...	1.23	103	108	5.4	.3	8.2	269	.37	82	<.001	.027	.013	E.07

DATE	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...	E.07	E.002	.006	<.007
FEB				
08...	<.10	.006	<.006	<.007
APR				
06...	E.07	.026	<.006	<.007
MAY				
31...	E.06	.042	<.006	<.007
JUL				
18...	<.10	E.004	E.003	<.007
AUG				
29...	<.10	.006	<.006	<.007

E Estimated laboratory analysis value.

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)
NOV										
09...	<.14	<1.3	90	<1.00	11	10.1	<.23	<2.4	<.2	<20
APR										
06...	<.14	<1.3	610	<1.00	20	8.7	<.01	<2.4	<.2	<20
MAY										
31...	<.10	E.6	730	<1.00	22	E2.0	<.01	<2.0	<.2	<20
AUG										
29...	<.10	<1.0	150	<1.00	13	8.4	M	<2.0	<.2	<20

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

09081600 CRYSTAL RIVER ABOVE AVALANCHE CREEK, NEAR REDSTONE, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
04...	0940	90	517	10.1	07...	1240	927	176	9.0
DEC					JUL				
21...	0925	40	749	1.8	12...	0945	273	272	12.2
MAR					AUG				
26...	1450	63	656	7.8	23...	1255	191	342	12.8
MAY									
08...	1445	305	336	11.2					

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 2000 to current year.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,120 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 4,000 acres upstream and downstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	71	96	e70	76	76	89	679	1600	523	109	89
2	71	73	90	e72	e68	75	95	806	1740	450	103	84
3	63	87	96	e66	78	75	100	627	1670	393	98	77
4	69	99	94	e74	76	74	111	480	1390	393	146	69
5	88	105	96	e76	75	76	113	424	1050	361	119	68
6	85	97	99	83	76	76	112	367	1050	346	160	67
7	79	93	94	e74	80	77	106	333	1310	315	372	72
8	75	100	98	e60	79	77	108	325	1410	297	244	67
9	71	111	97	e68	74	79	100	419	1500	299	308	65
10	70	109	96	88	82	80	102	473	1650	307	252	61
11	68	113	94	e78	78	79	103	604	1540	301	190	55
12	67	107	91	84	76	77	102	898	1330	264	161	51
13	69	96	98	84	76	76	99	1300	1110	251	130	56
14	68	97	95	81	78	77	100	1540	737	270	170	60
15	68	113	95	e62	76	73	95	1590	568	310	287	55
16	68	106	e70	e70	72	75	99	1660	503	294	248	51
17	67	105	e78	e60	74	77	120	1620	522	231	184	57
18	67	106	e76	e62	77	74	181	1520	639	193	146	64
19	67	108	e60	e70	78	71	242	1590	717	171	128	57
20	65	108	94	79	77	76	299	1560	765	152	113	56
21	64	106	e80	e68	78	84	216	1460	748	140	127	55
22	66	110	96	e68	78	94	203	1140	773	127	207	52
23	68	109	95	80	78	100	173	1180	712	122	190	50
24	71	103	89	e72	79	102	162	1410	716	119	139	50
25	74	106	94	78	76	103	179	1580	782	138	114	54
26	69	103	e80	78	73	108	240	1580	739	131	101	50
27	66	104	e62	78	80	102	359	1530	708	132	95	45
28	66	104	84	77	76	94	538	1660	592	115	94	44
29	67	102	e68	76	---	89	540	1630	572	104	92	40
30	66	103	e72	e63	---	86	530	1450	557	95	85	40
31	67	---	92	e62	---	85	---	1550	---	99	95	---
TOTAL	2173	3054	2719	2261	2144	2567	5616	34985	29700	7443	5007	1761
MEAN	70.1	102	87.7	72.9	76.6	82.8	187	1129	990	240	162	58.7
MAX	88	113	99	88	82	108	540	1660	1740	523	372	89
MIN	63	71	60	60	68	71	89	325	503	95	85	40
AC-FT	4310	6060	5390	4480	4250	5090	11140	69390	58910	14760	9930	3490

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	70.1	102	87.7	72.9	76.6	82.8	187	1129	1073	237	121	69.2
MAX	70.1	102	87.7	72.9	76.6	82.8	187	1129	1156	240	162	79.6
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2000	2001	2001	2000
MIN	70.1	102	87.7	72.9	76.6	82.8	187	1129	990	233	80.7	58.7
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2000	2000	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR (during period of operation)		FOR 2001 WATER YEAR		WATER YEARS 2000 - 2001	
ANNUAL TOTAL			99430			
ANNUAL MEAN			272		272	
HIGHEST ANNUAL MEAN					272	2001
LOWEST ANNUAL MEAN					272	2001
HIGHEST DAILY MEAN	2980	May 30	1740	Jun 2	2980	May 30 2000
LOWEST DAILY MEAN	38	Sep 20	40	Sep 29	38	Sep 20 2000
ANNUAL SEVEN-DAY MINIMUM	47	Sep 15	46	Sep 24	46	Sep 24 2001
MAXIMUM PEAK FLOW			2010	Jun 2	3510	May 30 2000
MAXIMUM PEAK STAGE			3.75	Jun 2	4.40	May 30 2000
ANNUAL RUNOFF (AC-FT)			197200		197400	
10 PERCENT EXCEEDS	981		768		1130	
50 PERCENT EXCEEDS	98		96		101	
90 PERCENT EXCEEDS	60		66		63	

e Estimated.

09083800 CRYSTAL RIVER BELOW CARBONDALE, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1976 to January 1978, January 2000 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
NOV													
09...	1055	112	595	8.5	4.7	11.7	E2	9	276	88.9	13.0	16.1	.422
FEB													
08...	1220	78	654	8.7	3.7	11.6	E1	<1	--	--	--	--	--
APR													
05...	1055	112	566	8.5	7.4	10.3	E12	E11	255	82.1	12.1	18.5	.505
MAY													
31...	0935	1570	186	8.1	5.7	10.4	E14	E13	83.9	27.4	3.77	3.0	.144
JUL													
16...	1715	264	347	8.3	16.8	8.3	24	E14	--	--	--	--	--
AUG													
29...	1010	92	524	8.4	12.7	9.1	40	48	244	78.2	11.9	11.2	.313

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, 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)
NOV													
09...	1.61	150	150	5.6	.2	10.8	377	.51	114	.001	.167	.004	E.06
FEB													
08...	--	--	--	--	--	--	--	--	--	.001	.119	<.002	.13
APR													
05...	1.65	138	142	6.0	.2	9.2	356	.48	108	.001	.112	.017	.26
MAY													
31...	.54	64	25.6	.8	E.1	5.3	105	.14	446	.001	.096	.002	.16
JUL													
16...	--	--	--	--	--	--	--	--	--	<.001	.116	.010	.14
AUG													
29...	1.55	159	110	3.9	.2	10.7	324	.4	80	.001	.160	.022	E.04

DATE	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...	E.08	.004	<.006	<.007
FEB				
08...	<.10	.010	E.003	<.007
APR				
05...	E.07	.046	E.003	<.007
MAY				
31...	E.06	.048	E.004	<.007
JUL				
16...	<.10	.010	E.005	<.007
AUG				
29...	E.07	.009	E.005	<.007

E Estimated laboratory analysis value.

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)
NOV										
09...	<.14	<1.3	60	<1.00	4	E2.2	<.23	<2.4	<.2	<20
APR										
05...	<.14	<1.3	750	<1.00	25	E1.9	<.01	<2.4	<.2	<20
MAY										
31...	<.10	E.6	820	<1.00	28	E1.9	<.01	<2.0	<.2	<20
AUG										
29...	<.10	<1.0	60	<1.00	6	4.6	--	<2.0	<.2	<20

E Estimated laboratory analysis value.

09083800 CRYSTAL RIVER BELOW CARBONDALE, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
04...	1610	68	589	13.0	05...	1420	897	218	9.3
JAN					JUL				
03...	1435	74	656	2.7	11...	0810	325	317	12.4
MAY					AUG				
08...	1200	299	341	9.1	24...	0935	148	461	12.1

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	587	520	449	377	e330	325	361	1200	3150	1550	789	766
2	563	513	426	384	e320	317	379	1440	3460	1430	786	743
3	520	526	451	353	e360	310	395	1360	3460	1310	779	724
4	514	548	444	392	e340	312	421	1160	3070	1280	883	708
5	556	584	443	390	e340	315	438	1160	2540	1200	857	690
6	563	569	460	388	e340	316	442	1050	2450	1140	896	697
7	560	541	429	367	e340	323	427	967	2770	1110	1250	788
8	550	540	442	337	e340	325	413	883	2950	1070	1050	797
9	541	563	455	336	e300	333	395	991	3010	1100	1060	803
10	531	558	439	527	e320	339	380	1090	3270	1160	1030	793
11	545	583	452	395	e320	337	404	1230	3160	1130	1020	757
12	572	558	411	363	e320	327	395	1580	2890	1030	939	753
13	582	503	447	387	e310	316	384	1980	2610	1050	859	774
14	579	497	432	356	e330	332	405	2490	2150	1120	923	749
15	580	548	437	340	e330	320	411	2550	1750	1180	1280	698
16	576	517	427	346	e300	319	408	2720	1610	1190	1140	680
17	572	494	412	e290	e310	329	456	2820	1550	999	1010	692
18	567	519	452	e300	e330	322	558	2700	1690	897	925	764
19	559	529	383	e340	e330	316	654	2740	1730	845	872	729
20	551	518	469	e360	316	321	786	2750	1800	793	860	699
21	560	502	410	e330	330	346	705	2720	1760	753	912	688
22	568	526	442	e330	324	395	652	2250	1830	724	1020	678
23	579	523	427	e360	328	415	608	2240	1730	692	988	666
24	590	499	408	e340	333	425	564	2520	1720	668	917	660
25	593	506	425	e360	313	425	569	2730	1860	750	859	641
26	590	486	392	e360	310	425	621	2830	1880	777	812	620
27	571	490	366	e350	332	444	771	2760	1980	809	793	597
28	562	492	417	e350	321	411	966	3000	1740	757	763	582
29	574	472	386	e340	---	389	1080	3020	1670	714	756	579
30	560	480	389	e300	---	372	1080	2780	1610	692	735	593
31	515	---	438	e290	---	358	---	3010	---	725	773	---
TOTAL	17430	15704	13260	11038	9117	10859	16528	64721	68850	30645	28536	21108
MEAN	562	523	428	356	326	350	551	2088	2295	989	921	704
MAX	593	584	469	527	360	444	1080	3020	3460	1550	1280	803
MIN	514	472	366	290	300	310	361	883	1550	668	735	579
AC-FT	34570	31150	26300	21890	18080	21540	32780	128400	136600	60780	56600	41870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2001, BY WATER YEAR (WY)

MEAN	744	669	569	504	478	536	824	2258	4077	2399	1006	749
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	356	315	298	352	593	1139	422	316	363
(WY)	1978	1978	1978	2001	1977	1977	1977	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1972 - 2001	
ANNUAL TOTAL	343544		307796			
ANNUAL MEAN	939		843		a1236	
HIGHEST ANNUAL MEAN					2092	1984
LOWEST ANNUAL MEAN					485	1977
HIGHEST DAILY MEAN	5320	May 30	3460	Jun 2	b11800	Jul 12 1995
LOWEST DAILY MEAN	366	Dec 27	e290	Jan 17	c,d248	Aug 11 1977
ANNUAL SEVEN-DAY MINIMUM	398	Dec 24	317	Feb 28	258	Aug 9 1977
MAXIMUM PEAK FLOW			3880	Jun 2	f13000	Jul 13 1995
MAXIMUM PEAK STAGE			5.10	Jun 2	g8.31	Jul 13 1995
ANNUAL RUNOFF (AC-FT)	681400		610500		895600	
10 PERCENT EXCEEDS	2000		1840		2970	
50 PERCENT EXCEEDS	577		564		680	
90 PERCENT EXCEEDS	425		330		432	

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
NOV													
08...	1625	530	657	8.8	4.5	11.7	E5	E5	261	80.0	15.0	31.3	.843
FEB													
09...	1345	322	620	8.9	.9	13.4	<1	E1	--	--	--	--	--
APR													
04...	1120	436	586	8.7	9.7	11.8	E2	E10	246	76.7	13.2	22.8	.634
MAY													
30...	1045	2870	251	8.3	8.5	10.3	E15	E20	110	35.5	5.21	5.4	.225
JUL													
17...	1650	998	470	8.8	17.9	9.0	E8	E3	--	--	--	--	--
AUG													
30...	1005	727	564	8.5	13.3	10.3	37	39	222	69.3	11.8	24.8	.725

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, 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)
NOV													
08...	1.90	145	136	39.1	.2	10.2	401	.55	574	.001	.150	.002	--
FEB													
09...	--	--	--	--	--	--	--	--	--	.003	.169	.003	--
APR													
04...	1.66	133	127	24.5	.3	6.7	353	.48	415	.004	.051	.025	.155
MAY													
30...	.73	73	40.4	5.0	.2	6.6	143	.19	1110	.001	.093	<.002	--
JUL													
17...	--	--	--	--	--	--	--	--	--	.001	.059	.013	--
AUG													
30...	1.41	131	106	32.8	.2	9.5	334	.45	656	.001	.068	.013	--

DATE	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					
08...	.14	<.10	.006	<.006	<.007
FEB					
09...	.24	E.09	.028	.015	.010
APR					
04...	.32	.18	.034	.016	.009
MAY					
30...	.18	E.08	.047	E.006	<.007
JUL					
17...	.16	E.10	.016	.011	E.006
AUG					
30...	.12	E.09	.013	.006	<.007

E Estimated laboratory analysis value.

09085000 ROARING FORK RIVER AT GLENWOOD SPRINGS, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
NOV										
08...	<.14	<1.3	40	<1.00	6	E2.3	<.23	<2.4	<.2	<20
APR										
04...	<.14	<1.3	130	<1.00	19	6.9	<.01	<2.4	<.2	<20
MAY										
30...	<.10	E.8	580	<1.00	27	3.6	<.01	<2.0	<.2	<20
AUG										
30...	<.10	E.7	70	E.61	9	3.7	<.01	<2.0	<.2	<20

E Estimated laboratory analysis value.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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...	1610	562	677	13.9	05...	1135	2560	272	8.2
DEC					JUL				
20...	1325	458	637	.8	11...	1555	1150	430	17.4
MAY									
09...	1150	1050	381	10.8					

09085100 COLORADO RIVER BELOW GLENWOOD SPRINGS, CO

LOCATION.--Lat 39°33'18", long 107°20'13", in NW$^1/_4$NW$^1/_4$ 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.--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 of 110,000 acres.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1690	e1720	1320	1260	1070	1240	1400	3600	7100	3120	2210	2590
2	1630	1730	1330	1200	1140	1230	1390	4050	7550	2960	2350	2560
3	1600	1730	1280	1140	1190	1220	1470	3990	7510	2790	2440	2510
4	1760	1740	1300	1130	1220	1200	1570	3410	6910	2700	2500	2460
5	1890	1780	1300	1120	1210	1200	1610	3220	5830	2620	2390	2430
6	1980	1820	1370	1180	1220	1200	1660	3010	5430	2610	2370	2350
7	1980	1510	1250	1160	1260	1210	1760	2770	5820	2590	2780	2400
8	1950	1380	1320	1110	1280	1210	1620	2610	6090	2570	2560	2480
9	1930	1410	1300	1030	1180	1220	1550	2860	6140	2670	2580	2580
10	1910	1320	1370	1210	1120	1250	1450	3240	6210	2750	2310	2560
11	1930	1360	1360	1210	1180	1280	1510	3670	6100	2570	2220	2470
12	1940	1430	1240	1210	1200	1240	1600	4370	5740	2370	2140	2400
13	1940	1320	1300	1240	1200	1210	1520	5170	5240	2410	2030	2350
14	1930	1150	1330	1210	1220	1210	1500	6130	4660	2600	2100	2270
15	1930	1290	1340	1150	1220	1200	1550	6470	3950	2890	2570	2170
16	1930	1390	1240	1140	1190	1110	1620	6920	3700	2980	2490	2140
17	1930	1240	1140	1090	1170	1170	1760	7200	3570	2560	2430	2120
18	1880	1220	1200	960	1190	1190	1950	7030	3700	2210	2380	2260
19	1830	1330	1030	1060	1230	1190	2200	7160	3750	2200	2290	2230
20	1820	1390	1210	1210	1230	1200	2570	7240	3800	2130	2290	2130
21	1820	1450	1220	1160	1260	1230	2480	7010	3770	1990	2460	2060
22	1880	1460	1230	1140	1320	1380	2180	5970	3870	1940	2640	2010
23	1910	1460	1370	1150	1250	1430	1980	5610	3640	1930	2600	1970
24	1920	1400	1290	1190	1220	1440	1770	5990	3580	1880	2540	1960
25	1940	1420	1340	1210	1210	1470	1850	6510	3710	2020	2450	1950
26	1930	1400	1230	1190	1190	1520	2220	6760	3810	2050	2390	1930
27	e1880	1470	1100	1190	1220	1570	2590	6770	4200	2190	2330	1880
28	e1730	1450	1120	1190	1220	1540	3270	7220	3760	2150	2320	1870
29	e1750	1390	1110	1200	---	1490	3460	7200	3420	2080	2320	1840
30	e1730	1450	1140	1160	---	1500	3450	6840	3250	1990	2440	1830
31	e1730	---	1300	1140	---	1420	---	7080	---	2040	2580	---
TOTAL	57600	43610	38980	35940	33810	40170	58510	167080	145810	74560	74500	66760
MEAN	1858	1454	1257	1159	1208	1296	1950	5390	4860	2405	2403	2225
MAX	1980	1820	1370	1260	1320	1570	3460	7240	7550	3120	2780	2590
MIN	1600	1150	1030	960	1070	1110	1390	2610	3250	1880	2030	1830
AC-FT	114200	86500	77320	71290	67060	79680	116100	331400	289200	147900	147800	132400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2001, BY WATER YEAR (WY)

MEAN	2145	1906	1606	1511	1494	1718	2720	7026	10340	5640	2911	2300
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1967 - 2001	
ANNUAL TOTAL	1008250		837330			
ANNUAL MEAN	2755		2294		3448	
HIGHEST ANNUAL MEAN					6276	1984
LOWEST ANNUAL MEAN					1638	1977
HIGHEST DAILY MEAN	12800	May 30	7550	Jun 2	30200	May 25 1984
LOWEST DAILY MEAN	1030	Dec 19	960	Jan 18	870	Feb 11 1981
ANNUAL SEVEN-DAY MINIMUM	1180	Dec 16	1110	Jan 16	978	Mar 10 1977
MAXIMUM PEAK FLOW			8130	Jun 2	31500	May 25 1984
MAXIMUM PEAK STAGE			6.75	Jun 2	12.49	May 25 1984
ANNUAL RUNOFF (AC-FT)	2000000		1661000		2498000	
10 PERCENT EXCEEDS	5640		4010		7880	
50 PERCENT EXCEEDS	1930		1850		2120	
90 PERCENT EXCEEDS	1330		1190		1330	

e Estimated.

09089500 WEST DIVIDE CREEK NEAR RAVEN, CO

LOCATION.--Lat 39°19'52", long 107°34'46", in NE$^1/_4$SW$^1/_4$ 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 current year (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.--No estimated daily discharges. Records good. 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, 207 ft^3/s, May 17, gage height, 3.91 ft; minimum daily, 0.30 ft^3/s, Sept. 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	---	---	---	---	---	8.2	124	99	6.6	4.5	.63
2	.88	---	---	---	---	---	13	133	100	6.4	2.9	.62
3	.74	---	---	---	---	---	15	107	92	5.5	2.0	.45
4	.69	---	---	---	---	---	18	83	82	4.5	1.4	.36
5	.75	---	---	---	---	---	19	79	69	3.8	1.1	.30
6	.82	---	---	---	---	---	18	72	60	3.4	.81	.34
7	.76	---	---	---	---	---	14	75	57	2.9	2.2	.53
8	.74	---	---	---	---	---	12	79	56	3.1	2.3	.71
9	.73	---	---	---	---	---	10	98	54	3.0	1.7	.70
10	.76	---	---	---	---	---	13	113	52	2.6	2.6	.60
11	.77	---	---	---	---	---	11	126	44	2.2	2.3	.48
12	.83	---	---	---	---	---	12	139	38	2.3	1.5	.39
13	.85	---	---	---	---	---	10	154	37	2.4	1.0	.52
14	.85	---	---	---	---	---	12	174	34	3.6	1.9	.71
15	.86	---	---	---	---	---	12	170	31	11	5.3	.88
16	.85	---	---	---	---	---	18	157	26	8.1	3.1	.62
17	.89	---	---	---	---	---	29	157	23	3.4	1.8	.56
18	.90	---	---	---	---	---	44	173	20	2.2	1.1	.78
19	.89	---	---	---	---	---	60	167	19	1.8	.91	.89
20	.89	---	---	---	---	---	64	149	18	1.6	.79	.67
21	.89	---	---	---	---	---	44	138	16	1.3	1.1	.55
22	.94	---	---	---	---	---	38	117	15	1.2	2.3	.45
23	.97	---	---	---	---	---	30	110	14	1.0	2.0	.42
24	1.3	---	---	---	---	---	29	110	14	.95	1.2	.37
25	1.8	---	---	---	---	---	38	111	14	1.0	.85	.35
26	1.5	---	---	---	---	---	54	122	13	1.5	.65	.35
27	1.3	---	---	---	---	---	77	117	16	4.3	.56	.35
28	1.4	---	---	---	---	---	98	111	11	2.4	.46	.35
29	2.0	---	---	---	---	---	102	105	8.6	1.3	.42	.35
30	1.7	---	---	---	---	---	103	104	7.1	.87	.52	.32
31	1.6	---	---	---	---	---	---	98	---	1.4	.66	---
TOTAL	31.85	---	---	---	---	---	1025.2	3772	1139.7	97.62	51.93	15.60
MEAN	1.03	---	---	---	---	---	34.2	122	38.0	3.15	1.68	.52
MAX	2.0	---	---	---	---	---	103	174	100	11	5.3	.89
MIN	.69	---	---	---	---	---	8.2	72	7.1	.87	.42	.30
AC-FT	63	---	---	---	---	---	2030	7480	2260	194	103	31

09095300 DRY FORK AT UPPER STATION, NEAR DE BEQUE, CO

LOCATION.--Lat 39°22'29", long 108°19'02", in $SE^1/_4NW^1/_4$ sec.10,T.8 S., R.98 W., Garfield County, Hydrologic Unit 14010006, on left bank 120 ft upstream from county bridge on S. Dry Fork Road, 3.8 mi west of intersection with Roan Creek Road, and 7.8 mi northwest of De Beque.

DRAINAGE AREA.--97.4 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to September 1998, November 2000 to September 2001.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,385 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected March to October by diversions for irrigation upstream from gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,660 ft^3/s, Aug. 9, 2001 gage height, 16.93 ft, on basis of slope-area measurement of peak flow; minimum daily, no flow, June 18-19, 1997, and many days during 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period November to September, 2,660 ft^3/s, August 9, gage height, 16.93 ft, on basis of slope-area measurement of peak flow; minimum daily, no flow, many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	e.05	e.01	e.01	e1.4	.13	.31	.04	.00	.00	.34
2	---	---	e.04	e.01	e.01	e1.5	.09	.31	.02	.00	.00	.36
3	---	---	e.04	e.01	e.01	2.6	.08	.65	.02	.00	.00	.33
4	---	---	e.03	e.01	e.01	2.3	.06	.59	.01	.00	.00	.33
5	---	---	e.03	e.01	e.01	2.3	.06	.81	.02	.00	.00	.33
6	---	---	e.03	e.01	e.01	1.6	.28	.36	.01	.00	.00	.31
7	---	---	e.03	e.01	e.01	1.6	.90	.26	.01	.00	.00	.33
8	---	---	e.03	e.01	e.01	1.8	1.4	.17	.01	.00	1.3	.34
9	---	---	e.03	e.01	e.01	2.8	2.2	.17	.00	.00	e26	.35
10	---	---	e.02	e.01	e.01	5.4	1.2	.19	.00	.00	e2.0	.35
11	---	---	e.02	e.01	e.01	3.7	1.1	.16	.00	.00	e1.9	.34
12	---	---	e.02	e.01	e.01	2.6	1.1	.12	.00	.00	e1.6	.31
13	---	---	e.02	e.01	e.01	2.5	1.3	.15	.00	.00	e1.4	.30
14	---	---	e.02	e.01	e.02	1.7	.66	.20	.03	.00	e1.1	.37
15	---	---	e.02	e.01	e.03	.76	.47	.13	.01	.09	e1.0	.33
16	---	e.16	e.02	e.01	e.03	.53	.40	.17	.01	.00	e.17	.29
17	---	e.15	e.02	e.01	e.03	.50	.37	.15	.01	.00	.14	1.4
18	---	e.13	e.02	e.01	e.03	.50	.34	.15	.00	.00	.12	.46
19	---	e.11	e.01	e.01	e.03	.48	.34	.16	.00	.00	.08	.38
20	---	e.10	e.01	e.01	e.04	.69	.28	.13	.00	.00	.03	.30
21	---	e.10	e.01	e.01	e.10	1.3	.34	.07	.00	.00	.09	.22
22	---	e.11	e.01	e.01	e.10	1.7	.41	.10	.00	.00	2.8	.19
23	---	e.09	e.01	e.01	e.30	2.0	.38	.07	.00	.00	.43	.18
24	---	e.07	e.01	e.01	e.60	1.7	.36	.05	.00	.00	.39	.18
25	---	e.07	e.01	e.01	e.60	1.1	.35	.06	.00	.00	.37	.17
26	---	e.07	e.01	e.01	e.60	.67	.35	.07	.00	.00	.34	.21
27	---	e.08	e.01	e.01	e.70	.40	.46	.07	.00	.00	.33	.23
28	---	e.08	e.01	e.01	e1.0	.31	.31	.06	.00	.00	.32	.25
29	---	e.07	e.01	e.01	---	.26	.30	.06	.00	.00	.33	.29
30	---	e.06	e.01	e.01	---	.27	.33	.05	.00	.00	.34	.11
31	---	---	e.01	e.01	---	.16	---	.04	---	.00	.32	---
TOTAL	---	---	0.62	0.31	4.34	47.13	16.35	6.04	0.20	0.09	42.90	9.88
MEAN	---	---	.020	.010	.16	1.52	.55	.19	.007	.003	1.38	.33
MAX	---	---	.05	.01	1.0	5.4	2.2	.81	.04	.09	26	1.4
MIN	---	---	.01	.01	.01	.16	.06	.04	.00	.00	.00	.11
AC-FT	---	---	1.2	.6	8.6	93	32	12	.4	.2	85	20

e Estimated.

09095300 DRY FORK AT UPPER STATION, NEAR DE BEQUE, CO--Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to September 1998, November 2000 to September 2001.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1996 to September 1998.

INSTRUMENTATION.--Water temperature sensor and logger October 1996 to September 1998.

REMARKS.--Upper Colorado River Basin National Water Quality Assessment Program station (NAWQA). Due to low flows at gage site February, June, and July samples were collected at sites .25 mi to 1.5 mi upstream.

Suspended-sediment concentration determined from a subsample split of a composite sample.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
NOV													
16...	1200	.16	3810	8.4	.1	11.7	1300	154	211	574	7	3.36	584
DEC													
21...	1130	.01	4090	8.3	.00	11.7	1300	166	212	551	7	3.26	637
JAN													
12...	1100	.01	4210	8.3	.00	10.3	1300	170	221	595	7	4.19	698
FEB													
13...	1110	.56	3720	8.3	2.0	10.2	1300	165	205	547	7	--	594
MAR													
09...	1110	1.7	1680	8.4	4.0	10.4	430	68.8	61.9	220	5	2.72	264
APR													
02...	1230	.09	3900	8.4	13.0	9.0	1200	133	200	533	7	3.45	503
MAY													
07...	1330	.30	3730	8.5	21.5	9.0	1100	121	193	542	7	4.11	426
JUN													
13...	1320	--	4350	8.7	16.7	12.4	1200	80.6	239	606	8	4.31	338
JUL													
10...	1220	--	3790	8.2	24.3	6.6	1200	96.5	224	546	7	4.04	428
AUG													
09...	0920	.11	2380	8.3	19.4	7.0	810	170	92.9	263	4	8.61	244
SEP													
12...	1125	.23	3800	8.5	16.9	8.7	1100	111	200	529	7	4.29	--

DATE	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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, 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													
16...	29	--	527	1900	23.9	.3	14.6	3340	3200	4.55	1.44	.006	1.01
DEC													
21...	19	--	554	1950	19.9	.4	14.4	3450	3250	4.69	.09	.010	1.23
JAN													
12...	--	--	572	2020	20.4	.4	15.8	3580	3400	4.87	.05	.009	1.25
FEB													
13...	19	--	519	1800	20.9	.5	12.5	3320	--	--	--	.007	1.24
MAR													
09...	16	--	242	615	7.2	.3	6.8	1190	1130	1.62	5.47	.008	.641
APR													
02...	12	--	432	1850	18.1	.3	11.6	3190	3020	4.34	.77	.009	.892
MAY													
07...	25	--	391	1760	18.2	.3	7.8	--	2880	3.92	2.33	.014	.654
JUN													
13...	36	--	337	2090	21.8	.3	E.2	3500	3250	4.76	--	<.006	<.050
JUL													
10...	--	--	351	1860	15.1	.3	.8	3150	2960	4.28	--	<.006	<.050
AUG													
09...	--	--	200	1130	11.1	.4	7.4	1980	1810	2.69	.60	.050	.586
SEP													
12...	--	450	--	1810	19.3	.3	2.8	3120	2950	4.24	1.94	.010	.133

09095300 DRY FORK AT UPPER STATION, NEAR DE BEQUE, CO--Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	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)
NOV									
16...	<.041	.45	.33	.034	<.006	<.018	<40	34.7	--
DEC									
21...	<.041	.33	.33	.018	<.006	<.018	<30	29.1	--
JAN									
12...	<.041	.97	.32	.009	.006	<.018	<30	25.2	--
FEB									
13...	<.041	.31	.27	.018	.006	<.018	40	81.8	--
MAR									
09...	E.030	1.4	.27	.541	.021	E.010	<10	16.9	--
APR									
02...	<.041	.50	.32	.063	E.003	<.018	<30	18.3	--
MAY									
07...	<.041	.60	.41	.026	E.004	<.018	<30	12.3	--
JUN									
13...	<.040	.70	.55	.036	.010	<.020	<30	<10.0	5.9
JUL									
10...	<.040	.60	.51	.049	.057	<.020	<30	18.9	--
AUG									
09...	E.037	.91	.70	.117	.009	<.020	<10	6.5	--
SEP									
12...	<.040	.49	.42	.008	<.006	<.020	<30	E8.0	--

E Estimated laboratory analysis value.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
16...	1200	.16	.1	380	.16
DEC					
21...	1130	.01	.00	86	.00
JAN					
12...	1100	.01	.00	9	.00
FEB					
13...	1110	.56	2.0	116	.18
MAR					
09...	1110	1.7	4.0	1660	7.6
APR					
02...	1230	.09	13.0	348	.08
MAY					
07...	1330	.30	21.5	65	.05
JUN					
13...	1320	--	16.7	18	--
JUL					
10...	1220	--	24.3	22	--
AUG					
09...	0920	.11	19.4	90	.03
SEP					
12...	1125	.23	16.9	.0	.00

09095500 COLORADO RIVER NEAR CAMEO, CO

LOCATION.--Lat 39°14'20", long 108°16'00", in $SW^1/_4SW^1/_4$ 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.--No estimated daily discharges. Records good. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2010	2080	1790	1680	1410	1430	1650	3960	8550	3450	2500	2780
2	1970	2130	1680	1590	1340	1440	1620	4150	8890	3360	2690	2810
3	1940	2090	1710	1580	1390	1420	1680	4490	9180	3230	2790	2760
4	1940	2090	1650	1520	1410	1410	1760	4180	8530	3100	2830	2730
5	2110	2120	1680	1550	1450	1400	1880	3770	7270	3020	2890	2710
6	2200	2160	1680	1530	1440	1400	1940	3560	6170	2930	2730	2670
7	2220	2150	1710	1560	1470	1390	2040	3340	6190	2930	2950	2630
8	2230	1870	1650	1540	1520	1390	2130	3090	6650	2880	3170	2690
9	2210	1830	1670	1440	1470	1400	1980	3050	6760	2930	3090	2760
10	2200	1860	1690	1390	1380	1440	1860	3350	6820	3010	3060	2780
11	2200	1810	1730	1500	1380	1500	1810	3630	6620	3060	2630	2760
12	2230	1820	1690	1500	1410	1500	1900	4190	6350	2830	2570	2670
13	2230	1840	1620	1510	1430	1440	2010	5270	5750	2730	2420	2630
14	2210	1740	1670	1510	1470	1410	1890	6650	5370	2850	2440	2590
15	2220	1650	1700	1490	1470	1400	1940	7700	4600	3060	2650	2500
16	2230	1770	1690	1470	1420	1400	1990	8090	4150	3260	2890	2420
17	2220	1790	1580	1480	1380	1340	2060	8590	3970	3080	2740	2400
18	2190	1670	1560	1420	1370	1380	2260	8790	3950	2690	2680	2420
19	2170	1730	1570	1360	1400	1370	2470	8590	4010	2360	2570	2460
20	2130	1830	1470	1420	1440	1370	2830	8830	4020	2420	2480	2420
21	2130	1810	1640	1520	1440	1380	3130	8710	3990	2320	2520	2320
22	2140	1810	1640	1470	1480	1450	2950	7610	4010	2200	2720	2250
23	2200	1830	1660	1520	1520	1590	2710	6470	4000	2200	2880	2190
24	2240	1810	1720	1480	1460	1640	2430	6620	3870	2200	2770	2170
25	2270	1760	1630	1450	1430	1650	2240	7600	3890	2220	2710	2150
26	2270	1790	1690	1450	1420	1700	2410	8160	3980	2400	2620	2130
27	2230	1760	1610	1430	1420	1800	2850	8370	4160	2530	2550	2120
28	2090	1810	1520	1440	1440	1830	3340	8570	4250	2600	2490	2070
29	2110	1800	1530	1430	---	1800	3900	8950	3790	2520	2510	2050
30	2090	1760	1520	1430	---	1750	3910	8530	3610	2430	2550	2030
31	2090	---	1600	1380	---	1740	---	8460	---	2370	2670	---
TOTAL	66920	55970	50950	46040	40060	46560	69570	195320	163350	85170	83760	74070
MEAN	2159	1866	1644	1485	1431	1502	2319	6301	5445	2747	2702	2469
MAX	2270	2160	1790	1680	1520	1830	3910	8950	9180	3450	3170	2810
MIN	1940	1650	1470	1360	1340	1340	1620	3050	3610	2200	2420	2030
AC-FT	132700	111000	101100	91320	79460	92350	138000	387400	324000	168900	166100	146900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2001, BY WATER YEAR (WY)

MEAN	2157	1956	1712	1598	1609	1817	3191	9170	12520	5856	2868	2221
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1934 - 2001	
ANNUAL TOTAL	1138310		977740			
ANNUAL MEAN	3110		2679		3895	
HIGHEST ANNUAL MEAN					7605	1984
LOWEST ANNUAL MEAN					1937	1977
HIGHEST DAILY MEAN	15400	May 31	9180	Jun 3	38000	May 26 1984
LOWEST DAILY MEAN	1470	Jan 8	1340	Feb 2	700	Dec 29 1939
ANNUAL SEVEN-DAY MINIMUM	1590	Dec 25	1380	Mar 15	852	Dec 24 1939
MAXIMUM PEAK FLOW			9720	Jun 2	39300	May 26 1984
MAXIMUM PEAK STAGE			6.99	Jun 2	14.36	May 26 1984
ANNUAL RUNOFF (AC-FT)	2258000		1939000		2822000	
10 PERCENT EXCEEDS	5840		4210		9560	
50 PERCENT EXCEEDS	2220		2140		2150	
90 PERCENT EXCEEDS	1710		1430		1380	

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 Dec. 25-29, which is poor. Daily specific conductance record is good, except for the period Nov. 18 to Dec. 16, Dec. 30 to Jan. 26, June 28 to July 22, which is considered fair, and April 9-18, 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,970 microsiemens/cm Jan. 19, 1940; minimum, 190 microsiemens/cm 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, 1,520 microsiemens/cm, Jan. 20; minimum, 275 microsiemens/cm, June 4.
WATER TEMPERATURE: Maximum, 25.3°C, July 8; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)
OCT													
26...	1045	2270	935	8.3	9.2	9.5	230	67.8	15.1	104	3	3.09	131
DEC													
15...	1215	1700	1220	8.6	2.0	12.2	270	77.2	18.7	137	4	3.81	155
FEB													
22...	1200	1470	1250	8.5	5.0	10.1	270	76.7	18.9	149	4	4.48	153
MAR													
20...	1245	1380	1260	8.5	8.1	10.5	260	73.6	19.2	157	4	4.54	154
APR													
18...	1340	2320	1040	8.7	14.3	9.4	230	64.8	15.7	116	3	4.06	133
MAY													
22...	0945	7670	364	8.2	10.0	9.7	120	34.4	7.38	28.1	1	1.13	89
JUN													
28...	1015	4260	575	8.3	18.3	7.9	170	49.3	10.5	51.7	2	1.97	105
JUL													
25...	1305	2230	945	8.3	21.0	8.2	220	63.7	14.6	103	3	3.19	124
AUG													
24...	1020	2780	795	8.2	18.0	7.6	210	61.0	13.1	77.8	2	2.99	122

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, 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								
26...	118	141	.3	7.2	536	.73	3290	--
DEC								
15...	151	205	.3	7.5	694	.94	3190	--
FEB								
22...	148	210	.3	3.8	703	.96	2790	--
MAR								
20...	150	219	.3	4.5	721	.98	2690	--
APR								
18...	127	168	.3	4.1	579	.79	3630	.7
MAY								
22...	37.8	32.7	E.1	6.9	202	.27	4180	E.3
JUN								
28...	71.6	68.5	.3	5.8	322	.44	3710	.4
JUL								
25...	110	146	.3	8.5	524	.71	3160	.5
AUG								
24...	108	110	.3	8.6	455	.62	3410	.6

E Estimated laboratory analysis value.

09095500 COLORADO RIVER NEAR CAMEO, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1040	1000	1020	1060	1050	1050	1190	1140	1170	1300	1230	1270
2	1030	1010	1020	1050	1040	1040	1160	1120	1140	1270	1220	1240
3	1060	1030	1050	1040	1020	1030	1250	1140	1210	1270	1200	1250
4	1080	1050	1070	1040	1020	1030	1250	1150	1200	1300	1200	1260
5	1090	1020	1070	1040	1020	1030	1350	1190	1260	1330	1300	1320
6	1020	958	986	1020	1010	1020	1250	1210	1240	1330	1140	1260
7	960	935	947	1020	990	1000	1240	1180	1220	1350	1210	1310
8	945	931	938	1130	997	1050	1210	1180	1190	1250	1060	1150
9	944	935	939	1190	1090	1140	1270	1160	1220	1310	1170	1240
10	951	944	947	1210	1190	1200	1260	1190	1230	1370	1310	1350
11	960	948	954	1210	1150	1170	1240	1210	1220	1400	1360	1390
12	964	951	956	1220	1170	1200	1210	1160	1190	1390	1190	1270
13	958	949	954	1180	1170	1180	1210	1140	1180	1280	1190	1250
14	951	943	946	1190	1170	1180	1250	1210	1240	1270	1230	1260
15	948	941	944	1270	1180	1220	1240	1220	1230	1270	1230	1250
16	948	941	944	1330	1270	1310	1230	1200	1210	---	---	---
17	950	942	947	1290	1230	1270	---	---	---	1360	1320	1330
18	951	943	947	1230	1200	1210	---	---	---	1400	1360	1370
19	962	946	953	1280	1180	1230	---	---	---	1410	---	---
20	985	962	973	1290	1250	1270	---	---	---	1520	---	---
21	996	985	991	1260	1170	1210	---	---	---	1430	1250	1330
22	995	986	991	1210	1150	1180	---	---	---	---	---	---
23	995	973	987	1170	1140	1160	---	---	---	---	---	---
24	975	956	961	1150	1130	1140	---	---	---	1330	1240	1310
25	968	958	962	1160	1130	1150	---	---	---	1340	1220	1280
26	966	955	959	1180	1140	1170	---	---	---	1280	1220	1250
27	965	952	958	1160	1160	1160	---	---	---	1250	1210	1230
28	1020	959	973	1190	1160	1180	---	---	---	1270	1220	1250
29	1040	1020	1030	1170	1150	1150	---	---	---	1270	1230	1250
30	1040	1030	1040	1160	1140	1150	1340	1260	1320	1250	1230	1250
31	1060	1030	1050	---	---	---	1330	1260	1290	1270	1230	1250
MONTH	1090	931	981	1330	990	1150	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1290	1240	1270	1290	1250	1270	971	960	966	851	798	825
2	1300	1260	1270	1290	1260	1270	992	970	982	798	777	785
3	1380	1260	1320	1300	1250	1270	995	986	990	777	733	755
4	1300	1260	1290	1290	1260	1270	995	979	985	733	688	709
5	1280	1230	1260	1300	1260	1280	979	960	968	688	665	674
6	1240	1220	1230	1310	1270	1290	960	935	945	688	665	673
7	1240	1220	1230	1320	1280	1300	954	934	942	713	688	698
8	1240	1220	1230	1320	1290	1310	960	954	957	742	713	727
9	1220	1200	1210	1320	1300	1310	989	958	968	752	736	745
10	1230	1200	1210	1310	1280	1300	1030	989	1010	787	641	719
11	1280	1210	1250	1290	1230	1260	1100	1030	1060	641	589	617
12	1310	1280	1290	1260	1240	1250	1140	1100	1120	589	515	555
13	1290	1240	1270	1250	1240	1240	1140	1120	1130	515	445	483
14	1240	1230	1230	1250	1240	1240	1130	1120	1130	445	389	421
15	1240	1230	1230	1380	1240	1260	1140	1110	1130	391	361	375
16	1250	1220	1240	1390	1210	1290	1140	1110	1120	365	351	360
17	1240	1220	1240	1300	1240	1270	1120	1090	1100	354	344	348
18	1280	1240	1250	1350	1290	1320	1090	1020	1060	347	340	343
19	1280	1270	1270	1330	1280	1310	1020	946	971	354	347	351
20	1270	1250	1260	1300	1250	1270	947	897	917	352	348	350
21	1270	1220	1240	1280	1250	1260	901	843	872	351	346	348
22	1270	1220	1250	1270	1240	1260	901	842	868	358	334	348
23	1270	1220	1240	1240	1160	1210	912	839	858	337	326	331
24	1240	1190	1220	1160	1100	1130	1000	912	980	338	331	336
25	1260	1220	1250	1100	1060	1070	1020	973	989	331	308	320
26	1270	1250	1260	1060	1040	1050	1100	1020	1060	308	297	302
27	1270	1250	1260	1040	1000	1020	1110	1060	1100	298	292	295
28	1290	1260	1280	1000	980	993	1060	955	1000	297	289	295
29	---	---	---	980	959	969	955	888	905	289	279	282
30	---	---	---	968	955	961	906	851	870	290	278	284
31	---	---	---	971	962	967	---	---	---	292	286	289
MONTH	1380	1190	1250	1390	955	1210	1140	839	998	851	278	482

09095500 COLORADO RIVER NEAR CAMEO, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	295	287	291	677	638	653	---	---	---	784	765	773
2	300	286	293	685	671	677	---	---	---	765	757	760
3	286	279	281	711	685	698	---	---	---	780	758	767
4	285	275	280	736	709	717	---	---	---	780	771	776
5	300	283	288	753	734	740	---	---	---	783	776	778
6	310	300	307	778	753	760	---	---	---	788	778	781
7	---	---	---	786	766	777	---	---	---	811	788	801
8	---	---	---	788	774	779	---	---	---	811	790	799
9	---	---	---	789	771	779	---	---	---	799	792	794
10	---	---	---	789	755	765	---	---	---	801	782	794
11	---	---	---	801	736	757	---	---	---	806	792	796
12	---	---	---	768	735	751	---	---	---	818	790	798
13	427	420	425	813	768	798	897	885	888	888	817	846
14	443	424	431	947	813	856	986	876	912	846	792	818
15	502	442	472	837	801	817	922	877	910	881	842	851
16	543	502	522	829	779	809	877	793	832	908	881	893
17	562	543	553	793	769	777	819	792	807	933	908	925
18	570	562	566	793	765	774	827	814	818	936	927	931
19	566	549	556	842	778	802	818	811	815	995	901	917
20	555	537	544	875	842	864	843	817	830	1010	911	939
21	551	531	542	922	873	905	843	837	840	979	893	901
22	552	533	542	931	916	926	841	815	827	918	897	907
23	565	531	546	---	---	---	842	810	824	930	907	917
24	627	565	592	---	---	---	812	806	809	934	917	924
25	648	620	631	---	---	---	806	788	797	934	921	929
26	648	606	624	---	---	---	806	793	798	972	925	941
27	627	601	610	---	---	---	816	801	806	949	938	944
28	614	575	583	---	---	---	826	813	816	986	944	951
29	618	564	585	---	---	---	830	821	827	986	950	958
30	651	617	629	---	---	---	823	813	817	976	964	972
31	---	---	---	---	---	---	825	781	800	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	1010	757	863

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.0	14.0	15.6	8.3	6.7	7.2	2.5	.9	1.7	.3	.0	.0
2	16.7	13.6	15.3	7.5	5.7	6.6	1.4	.0	.7	.4	.0	.1
3	16.5	13.9	15.3	7.3	5.5	6.5	1.1	.0	.5	.0	.0	.0
4	16.3	14.3	15.4	7.4	5.1	6.3	.9	.0	.4	.0	.0	.0
5	16.4	13.6	15.0	7.4	5.8	6.5	1.5	.0	.7	.0	.0	.0
6	15.1	12.4	13.9	5.8	4.2	5.1	1.5	.0	.8	.2	.0	.0
7	14.1	11.2	12.8	4.7	2.7	3.5	1.7	.0	.8	.1	.0	.0
8	13.4	10.8	12.2	3.9	1.6	2.9	1.3	.0	.7	.0	.0	.0
9	14.3	11.0	12.7	5.0	2.9	4.0	2.1	.8	1.4	.0	.0	.0
10	13.4	11.3	12.3	4.7	3.4	4.1	3.0	1.8	2.5	.0	.0	.0
11	12.2	11.0	11.5	3.9	2.7	3.3	2.7	1.1	1.9	.2	.0	.0
12	13.2	10.2	11.6	2.8	1.5	2.3	1.7	.7	1.2	.5	.0	.2
13	12.3	10.3	11.4	2.6	.7	1.6	1.6	.4	1.0	1.3	.1	.6
14	12.1	9.3	10.8	1.5	.0	.9	1.8	.8	1.3	1.2	.1	.7
15	11.7	8.9	10.3	2.1	.4	1.2	1.9	.9	1.5	.5	.0	.1
16	11.6	8.6	10.2	2.3	.3	1.3	1.4	.0	.7	.2	.0	.0
17	11.6	8.5	10.1	1.6	.0	.7	.3	.0	.0	.0	.0	.0
18	11.8	8.7	10.3	.4	.0	.0	---	---	---	.0	.0	.0
19	11.7	8.7	10.3	.4	.0	.0	---	---	---	.3	.0	.0
20	11.8	8.8	10.4	.6	.0	.1	---	---	---	.6	.0	.1
21	11.5	8.8	10.3	.8	.0	.3	---	---	---	.0	.0	.0
22	11.0	9.4	10.3	1.5	.0	.7	---	---	---	.0	.0	.0
23	10.4	9.0	9.8	2.5	.5	1.5	---	---	---	.3	.0	.0
24	10.9	9.5	10.2	2.2	.2	1.4	---	---	---	.4	.0	.1
25	11.0	9.7	10.3	2.9	.9	2.0	.3	.0	.1	1.0	.0	.4
26	11.0	8.8	9.9	2.7	1.2	1.9	.4	.0	.1	1.3	.0	.5
27	10.6	8.9	9.8	2.0	.9	1.5	.0	.0	.0	1.2	.4	.9
28	10.0	9.1	9.6	2.6	.5	1.6	.0	.0	.0	1.4	.5	1.0
29	10.8	9.0	9.8	2.9	1.2	2.2	.0	.0	.0	2.0	.3	1.1
30	9.7	8.5	9.2	3.2	1.3	2.3	.0	.0	.0	1.5	.1	.9
31	9.9	8.3	9.0	---	---	---	.4	.0	.1	.8	.0	.2
MONTH	17.0	8.3	11.5	8.3	.0	2.7	---	---	---	2.0	.0	.2

09095500 COLORADO RIVER NEAR CAMEO, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.1	.0	.3	6.1	4.1	4.9	12.0	8.3	10.2	15.8	13.0	14.3
2	1.4	.0	.5	6.7	4.0	5.3	12.3	10.4	11.4	14.5	11.5	12.8
3	1.6	.3	.9	7.1	4.6	5.8	12.4	9.7	11.1	11.5	9.5	10.8
4	3.0	.5	1.8	7.4	4.4	6.0	12.1	9.9	11.1	10.0	8.7	9.3
5	3.8	.8	2.7	6.8	5.2	6.1	12.0	9.7	11.0	11.1	8.5	9.7
6	3.8	1.7	2.9	6.9	4.9	6.0	11.1	9.8	10.4	13.2	9.7	11.3
7	4.9	.0	3.9	7.2	5.5	6.4	10.0	8.4	9.3	14.7	11.0	12.7
8	4.5	1.8	3.2	9.0	5.5	7.3	9.9	7.5	8.4	16.5	12.3	14.3
9	1.8	.0	.6	8.7	6.8	7.9	10.8	6.7	8.7	17.0	13.4	15.2
10	.6	.0	.1	9.1	7.4	8.3	10.2	8.5	9.1	16.6	13.8	14.9
11	1.7	.0	.7	8.7	6.5	7.2	10.2	7.3	8.8	16.2	13.0	14.6
12	2.6	1.0	1.7	7.7	5.1	6.4	10.4	8.0	9.3	16.0	13.6	14.8
13	4.1	1.6	2.8	8.9	5.8	7.2	11.2	7.1	9.2	15.2	13.6	14.6
14	4.4	2.8	3.7	8.3	6.1	7.1	12.4	8.9	10.6	16.0	13.3	14.6
15	4.5	2.7	3.7	7.0	4.1	5.6	13.1	8.7	10.9	15.0	12.7	13.7
16	4.4	2.6	3.6	6.0	4.6	5.4	14.1	9.5	11.9	13.6	11.7	12.7
17	4.7	2.1	3.6	6.6	4.6	5.5	15.6	10.8	13.2	12.8	11.3	12.1
18	4.1	2.7	3.4	7.9	4.8	6.3	15.9	12.0	14.0	12.8	10.2	11.6
19	5.3	3.2	4.2	9.3	5.4	7.3	16.1	12.7	14.4	13.5	11.5	12.4
20	5.8	3.1	4.5	9.6	6.5	8.3	14.3	11.9	12.9	14.1	11.6	12.8
21	6.2	4.7	5.4	11.4	7.8	9.8	11.9	10.5	11.2	12.9	10.0	11.6
22	6.3	4.4	5.4	12.2	9.5	10.9	10.5	9.9	10.2	12.9	9.6	11.4
23	6.1	4.6	5.1	12.1	9.8	10.8	12.6	8.4	10.4	14.3	10.6	12.5
24	5.2	3.0	4.2	11.9	8.4	10.3	14.9	9.9	12.3	15.3	12.2	13.8
25	5.3	3.5	4.2	12.5	9.1	10.9	16.1	11.3	13.7	14.8	12.5	13.8
26	4.7	3.5	4.1	11.4	9.8	10.7	17.2	12.3	14.7	13.8	12.0	13.1
27	5.2	3.4	4.3	11.8	9.1	10.4	17.6	13.4	15.6	14.0	11.2	12.7
28	5.2	3.8	4.6	10.7	8.9	9.6	17.2	14.9	15.9	14.6	12.1	13.3
29	---	---	---	9.5	7.7	8.7	15.7	14.6	15.1	14.2	11.8	13.0
30	---	---	---	10.6	7.5	9.1	14.6	12.7	13.9	14.9	11.8	13.3
31	---	---	---	11.5	7.8	9.8	---	---	---	15.4	12.2	13.8
MONTH	6.3	.0	3.1	12.5	4.0	7.8	17.6	6.7	11.6	17.0	8.5	13.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.6	12.3	14.1	22.2	20.3	21.2	23.2	20.1	21.8	19.6	17.1	18.3
2	15.1	12.7	14.1	22.1	19.3	20.7	23.0	19.0	20.9	20.5	17.0	18.6
3	15.2	12.5	13.9	23.5	19.4	21.4	24.0	20.2	22.0	20.6	17.4	18.9
4	14.5	12.2	13.4	24.3	20.5	22.3	24.1	20.4	22.3	20.2	17.7	18.9
5	14.3	11.2	12.9	24.2	20.5	22.4	25.0	21.5	23.2	20.5	17.2	18.8
6	15.5	11.9	13.7	25.1	20.9	23.0	25.0	21.4	23.1	19.6	17.3	18.6
7	17.0	13.7	15.2	24.8	21.5	23.2	23.1	21.1	22.2	17.5	15.0	16.4
8	17.4	14.0	15.9	25.3	22.0	23.6	23.7	21.8	22.6	17.1	14.0	15.6
9	17.9	14.9	16.5	24.2	21.2	22.7	22.9	20.5	21.7	16.5	13.2	14.9
10	17.5	14.8	16.3	24.2	21.0	22.5	22.1	19.8	20.8	16.5	12.9	14.6
11	17.5	14.3	16.0	23.7	21.1	22.3	22.3	19.2	20.8	17.1	13.4	15.2
12	16.8	14.3	15.5	23.7	20.6	22.1	22.8	19.1	20.9	18.0	14.7	16.3
13	15.6	13.0	14.0	22.5	20.2	21.4	21.9	19.7	20.6	17.1	15.2	16.3
14	13.8	11.4	12.7	21.1	19.3	19.9	21.8	19.0	20.2	18.9	15.3	17.0
15	14.8	11.3	13.0	21.2	18.0	19.5	21.3	18.5	20.1	19.1	15.6	17.3
16	16.8	13.0	14.8	21.5	18.6	20.0	21.3	18.6	19.8	19.0	15.5	17.2
17	18.4	15.0	16.6	21.2	18.2	19.7	21.8	18.2	19.8	17.7	15.6	16.6
18	19.2	16.1	17.5	22.1	18.5	20.3	21.3	18.3	19.8	17.6	14.3	16.0
19	19.8	16.8	18.1	22.9	19.1	21.0	21.7	18.5	20.1	17.9	14.5	16.2
20	19.8	17.2	18.4	23.5	19.6	21.5	21.5	19.0	20.2	18.0	14.4	16.2
21	20.2	17.3	18.7	24.3	20.2	22.3	21.3	18.6	20.0	18.3	14.5	16.4
22	19.8	17.8	18.9	24.5	20.2	22.4	20.9	18.5	19.5	18.1	14.6	16.5
23	20.5	17.5	19.0	23.3	20.5	22.0	20.0	17.4	18.8	18.3	14.5	16.5
24	20.7	18.9	19.7	22.8	20.5	21.6	20.2	17.5	18.9	18.0	14.6	16.4
25	20.4	18.3	19.3	23.4	19.5	21.5	21.3	17.6	19.4	17.6	14.2	16.0
26	19.8	18.0	18.8	22.4	20.7	21.7	22.1	18.2	20.1	17.5	14.0	15.9
27	19.8	17.5	18.7	23.9	19.7	21.7	22.3	18.6	20.4	17.6	13.9	15.8
28	21.3	17.9	19.6	24.4	20.3	22.3	21.6	18.8	20.2	17.4	13.9	15.8
29	22.8	19.4	21.0	24.2	20.0	22.1	20.9	18.4	19.6	17.6	14.5	16.1
30	23.5	20.2	21.8	23.5	20.0	21.9	20.4	17.8	19.1	17.8	14.6	16.3
31	---	---	---	23.7	20.3	21.9	20.5	17.2	18.9	---	---	---
MONTH	23.5	11.2	16.6	25.3	18.0	21.7	25.0	17.2	20.6	20.6	12.9	16.7

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 fair 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	77	84	71	e66	67	115	269	128	37	65	56
2	67	82	88	72	62	66	141	262	120	38	61	53
3	62	78	89	64	68	65	136	260	110	36	62	54
4	61	76	87	73	68	65	124	203	109	35	83	52
5	66	81	87	68	68	66	122	206	101	35	65	52
6	71	84	86	77	71	71	119	188	86	35	60	52
7	65	77	86	78	119	74	117	187	79	36	58	54
8	65	76	85	69	93	75	110	170	77	37	64	54
9	68	88	88	65	70	76	105	187	73	39	78	55
10	71	88	90	e72	e69	79	98	206	70	35	124	56
11	70	90	90	e74	e68	98	98	244	69	55	e110	54
12	75	91	89	e76	71	98	97	278	64	43	e89	52
13	74	92	90	e75	72	88	103	290	65	43	e82	54
14	75	93	87	e74	81	82	118	330	72	51	e78	69
15	75	102	89	e70	76	76	118	455	72	75	77	60
16	73	98	86	e68	63	74	117	377	70	68	61	57
17	72	92	e75	e66	50	76	114	342	66	56	55	62
18	69	117	e68	e67	53	76	131	410	60	46	53	66
19	61	147	e68	e68	55	80	178	395	55	41	52	62
20	59	106	e67	e69	61	92	224	351	52	38	55	61
21	58	90	e68	e70	65	99	171	360	46	35	59	59
22	59	89	e72	e73	68	119	148	232	44	34	97	56
23	61	90	76	e72	68	118	131	205	43	33	72	57
24	64	90	66	e75	68	115	105	216	41	35	65	55
25	81	90	70	e76	65	128	100	217	45	35	63	55
26	72	89	74	e74	63	135	109	201	44	35	62	53
27	67	89	72	e70	64	137	168	193	45	48	59	54
28	67	90	73	69	68	119	180	167	42	38	56	54
29	75	89	71	69	---	111	210	150	40	35	54	53
30	76	89	73	68	---	106	211	141	38	32	53	51
31	78	---	70	e69	---	105	---	134	---	67	53	---
TOTAL	2126	2730	2464	2201	1933	2836	4018	7826	2026	1306	2125	1682
MEAN	68.6	91.0	79.5	71.0	69.0	91.5	134	252	67.5	42.1	68.5	56.1
MAX	81	147	90	78	119	137	224	455	128	75	124	69
MIN	58	76	66	64	50	65	97	134	38	32	52	51
AC-FT	4220	5410	4890	4370	3830	5630	7970	15520	4020	2590	4210	3340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2001, BY WATER YEAR (WY)

MEAN	116	104	87.5	78.2	83.3	109	245	677	516	123	81.4	95.2
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1936 - 2001	
ANNUAL TOTAL	46001		33273			
ANNUAL MEAN	126		91.2		194	
HIGHEST ANNUAL MEAN					542	1983
LOWEST ANNUAL MEAN					48.8	1977
HIGHEST DAILY MEAN	717	May 6	455	May 15	4100	Jun 25 1983
LOWEST DAILY MEAN	39	Jul 24	32	Jul 30	8.2	Aug 15 1977
ANNUAL SEVEN-DAY MINIMUM	41	Jul 21	35	Jul 20	9.1	Aug 10 1977
MAXIMUM PEAK FLOW			579	May 15	5580	Jun 15 1973
MAXIMUM PEAK STAGE			3.94	May 15	a7.99	Jun 15 1973
ANNUAL RUNOFF (AC-FT)	91240		66000		140500	
10 PERCENT EXCEEDS	310		149		421	
50 PERCENT EXCEEDS	87		72		98	
90 PERCENT EXCEEDS	50		51		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 Oct. 1, Dec. 14 to Feb. 16, and Mar. 21 to Apr. 16, which are fair, and Nov. 14 to Dec. 1, Feb. 16 to March 21, and Aug. 23 to Sept. 30, which are poor. Daily record of water temperature is good, except for the periods Feb. 16 to Mar. 21, and Apr. 30 to May 9, which are poor. Interruptions in daily record are due to sensor fouling or missing transmissions. Daily maximum and minimum specific conductance data from Jun. 1994 to Sept. 1995 available in district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUTANCE: Maximum recorded, 2020 microsiemens/cm, Aug. 11, 1999, minimum, 160 microsiemens/cm several days in June 1995.
WATER TEMPERATURE: Maximum, 29.7°C, July 6, 2001; minimum, 0.0°C, on many days during winter months.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,690 microsiemens/cm, July 11; minimum, 205 microsiemens/cm, May 15.
WATER TEMPERATURE: Maximum, 29.7°C, July 6; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)
OCT													
26...	1345	73	750	8.6	8.6	10.2	311	62.2	37.9	56.7	1.40	5.04	333
DEC													
14...	0940	81	577	8.6	1.4	11.8	226	46.2	26.9	40.9	1.18	3.61	261
FEB													
16...	1115	68	699	8.8	1.3	11.7	289	59.5	34.1	56.0	1.43	4.98	316
MAR													
21...	1015	85	562	8.5	6.6	10.1	215	43.5	25.9	45.6	1.35	3.72	241
APR													
18...	0950	142	546	8.6	9.7	9.5	213	50.2	21.4	37.2	1.11	3.25	247
MAY													
21...	1235	339	261	8.4	11.7	8.1	109	27.6	9.62	14.0	.585	1.78	121
JUN													
27...	1330	47	676	8.7	22.1	7.7	272	50.2	35.6	53.6	1.42	5.72	283
JUL													
30...	1055	33	702	8.2	20.2	7.5	266	43.3	38.2	58.3	1.56	6.13	310
AUG													
23...	1410	71	707	8.4	20.6	7.7	287	64.7	30.5	51.6	1.33	6.08	322

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, 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							
26...	76.7	6.9	.6	29.4	475	.6	94
DEC							
14...	59.6	5.4	.4	20.2	360	.5	79
FEB							
16...	80.2	7.7	.5	23.4	456	.6	84
MAR							
21...	72.0	5.8	.4	19.0	361	.5	83
APR							
18...	58.3	5.1	.3	16.8	340	.5	131
MAY							
21...	18.0	2.1	.2	14.3	160	.2	146
JUN							
27...	73.2	6.2	.6	29.1	424	.6	54
JUL							
30...	68.8	6.0	.6	29.2	437	.6	39
AUG							
23...	63.9	6.1	.7	31.5	448	.6	86

09105000 PLATEAU CREEK NEAR CAMEO, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	706	690	697	724	705	716	---	---	---	649	541	607
2	---	---	---	737	702	720	---	---	---	651	543	604
3	---	---	---	735	713	722	---	---	---	645	541	594
4	---	---	---	730	698	716	---	---	---	650	530	583
5	---	---	---	730	696	714	---	---	---	640	553	600
6	---	---	---	727	702	717	---	---	---	645	549	604
7	726	666	697	733	702	723	---	---	---	646	532	600
8	724	697	709	754	724	741	---	---	---	658	566	613
9	727	698	712	741	692	722	---	---	---	712	658	692
10	725	698	714	706	665	691	---	---	---	680	639	665
11	726	708	719	702	664	687	---	---	---	667	639	651
12	736	661	710	708	680	694	---	---	---	663	626	647
13	723	694	709	715	627	675	---	---	---	637	621	628
14	730	699	711	722	623	683	---	---	---	650	629	642
15	724	701	711	---	---	---	689	544	635	677	639	662
16	724	697	710	---	---	---	692	538	633	685	647	667
17	721	694	706	703	589	657	703	564	643	689	649	674
18	723	694	707	715	639	683	714	587	654	691	651	675
19	720	695	707	717	607	662	695	585	635	667	632	654
20	722	694	705	704	617	655	698	569	635	654	621	637
21	729	694	711	697	666	681	680	559	620	668	623	649
22	737	709	724	715	680	700	674	563	621	670	639	656
23	740	699	723	720	676	705	659	540	606	677	634	657
24	741	722	733	719	595	681	653	542	608	670	638	652
25	826	712	754	716	683	703	646	536	600	660	630	646
26	745	688	731	716	683	702	655	538	603	657	630	643
27	742	710	728	719	696	710	662	575	621	651	632	644
28	733	709	723	716	688	706	665	561	611	662	645	655
29	747	711	733	716	687	704	655	551	610	658	645	651
30	741	699	724	715	695	707	663	558	613	667	646	654
31	729	699	718	---	---	---	653	540	604	689	647	670
MONTH	---	---	---	---	---	---	---	---	---	712	530	641

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	685	644	666	659	650	655	596	458	512	411	340	376
2	674	646	660	655	649	652	577	451	503	410	363	381
3	667	653	661	655	648	651	537	437	482	365	360	363
4	668	658	662	649	625	636	516	422	463	391	364	376
5	671	658	664	642	633	639	489	404	445	451	391	428
6	683	663	671	635	628	631	513	415	458	455	446	451
7	673	557	636	631	616	619	525	435	475	455	431	445
8	657	558	620	622	614	618	566	440	497	431	416	423
9	709	657	693	620	609	614	584	457	509	416	382	403
10	735	690	711	621	616	619	590	448	513	383	355	371
11	693	685	688	620	560	587	594	462	517	360	259	331
12	693	684	688	587	573	579	605	458	524	270	234	249
13	696	685	690	606	587	599	611	472	528	284	225	245
14	697	676	687	603	580	595	615	489	539	309	242	282
15	708	685	696	594	575	585	605	495	543	269	205	236
16	702	679	692	586	580	582	606	519	558	286	229	257
17	712	656	677	583	559	578	567	534	548	290	255	268
18	691	644	659	583	558	570	618	526	559	290	219	238
19	668	641	655	580	569	575	627	617	622	248	212	235
20	646	627	634	581	574	577	---	---	---	269	225	246
21	657	631	641	715	531	608	---	---	---	---	211	---
22	645	633	640	684	510	593	---	---	---	---	---	---
23	658	635	645	646	498	566	---	---	---	377	338	349
24	649	632	643	626	483	549	---	---	---	370	314	336
25	652	627	642	604	480	539	---	---	---	366	321	333
26	662	642	654	574	463	519	---	---	---	369	329	338
27	661	633	650	568	458	513	---	---	---	374	327	340
28	653	635	645	579	452	502	---	---	---	377	336	359
29	---	---	---	600	455	513	---	---	---	398	357	377
30	---	---	---	602	463	516	---	---	---	405	373	387
31	---	---	---	599	456	512	---	---	---	410	389	399
MONTH	735	557	663	715	452	584	---	---	---	---	---	---

09105000 PLATEAU CREEK NEAR CAMEO, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	411	396	403	680	650	661	---	---	---	668	640	651
2	431	403	416	699	645	670	---	---	---	647	620	636
3	446	425	437	684	636	659	---	---	---	657	620	635
4	460	443	453	693	628	654	---	---	---	666	624	640
5	503	457	475	665	617	643	---	---	---	669	641	654
6	548	489	518	658	599	631	---	---	---	680	655	665
7	574	514	541	651	599	626	---	---	---	699	669	681
8	578	537	555	653	613	632	---	---	---	700	669	683
9	577	539	557	674	629	653	---	---	---	720	684	700
10	582	538	557	668	616	643	---	---	---	745	696	712
11	579	550	568	1690	635	1060	---	---	---	717	692	703
12	577	515	551	811	765	779	---	---	---	725	662	708
13	610	535	579	765	750	758	---	---	---	719	709	714
14	617	584	598	758	742	752	775	598	683	795	717	736
15	609	578	594	798	750	772	---	---	---	739	715	729
16	605	577	591	820	718	758	---	---	---	737	709	725
17	596	559	578	737	709	722	---	---	---	732	663	721
18	597	552	576	737	727	731	---	---	---	762	681	743
19	609	567	592	730	707	722	---	---	---	757	737	748
20	610	549	580	714	703	709	---	---	---	751	718	739
21	626	588	608	708	680	698	---	---	---	738	699	723
22	639	597	620	700	679	691	---	---	---	726	699	711
23	663	590	630	699	683	692	---	---	---	732	706	718
24	671	611	641	701	685	693	703	663	687	733	707	718
25	861	624	670	697	678	687	684	645	665	730	707	717
26	812	700	719	689	674	681	691	641	666	735	710	720
27	722	669	696	805	676	757	683	647	660	729	707	717
28	704	646	674	727	709	716	660	633	645	726	705	714
29	685	643	663	719	698	709	658	627	640	734	706	720
30	687	641	663	712	690	701	671	614	634	744	722	731
31	---	---	---	728	686	706	678	644	662	---	---	---
MONTH	861	396	577	1690	599	709	---	---	---	795	620	704

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.3	11.8	14.8	7.2	5.7	6.3	2.2	.0	.8	.0	.0	.0
2	17.1	11.3	14.5	7.7	4.2	5.9	.9	.0	.2	.0	.0	.0
3	17.5	12.6	15.0	7.0	3.6	5.4	1.1	.0	.3	.0	.0	.0
4	16.5	13.5	15.2	6.7	2.9	5.0	1.0	.0	.3	.0	.0	.0
5	16.4	11.2	13.9	7.1	5.2	6.0	2.1	.0	.7	.0	.0	.0
6	14.5	9.6	12.3	5.2	2.9	4.1	1.9	.0	.8	.0	.0	.0
7	13.3	8.0	11.1	2.9	.0	1.6	1.3	.0	.5	.0	.0	.0
8	13.5	8.6	11.2	3.5	.0	1.6	2.3	.0	1.2	.0	.0	.0
9	14.5	9.0	11.9	5.3	2.2	3.7	4.2	2.2	3.0	.0	.0	.0
10	13.3	10.1	11.5	4.5	3.4	3.8	3.9	2.2	3.2	.0	.0	.0
11	12.0	10.1	11.0	4.1	1.7	3.3	3.6	.2	1.4	.0	.0	.0
12	12.7	8.9	11.0	2.4	.0	1.1	1.4	.2	.8	.0	.0	.0
13	11.8	7.9	10.0	1.4	.0	.5	2.5	1.3	1.8	1.0	.0	.4
14	11.7	7.0	9.5	.7	.0	.1	2.5	1.1	2.0	1.8	.0	.8
15	11.0	5.9	8.8	.7	.0	.1	2.3	1.0	1.7	.4	.0	.0
16	11.1	5.9	8.8	.0	.0	.0	1.6	.0	.2	.0	.0	.0
17	11.1	5.8	8.7	1.1	.0	.1	.0	.0	.0	.0	.0	.0
18	11.2	6.2	9.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	11.4	6.4	9.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	11.6	6.5	9.3	.1	.0	.0	.0	.0	.0	.0	.0	.0
21	11.4	6.5	9.3	.5	.0	.1	.0	.0	.0	.0	.0	.0
22	11.0	8.2	9.9	2.8	.0	1.0	.0	.0	.0	.0	.0	.0
23	10.4	8.2	9.4	2.8	.2	1.7	.0	.0	.0	.0	.0	.0
24	10.6	9.0	9.8	2.0	.0	1.0	.0	.0	.0	.0	.0	.0
25	11.1	8.0	9.4	3.4	.9	2.1	.0	.0	.0	.0	.0	.0
26	10.0	6.3	8.4	3.0	.6	1.8	.0	.0	.0	.0	.0	.0
27	10.3	7.6	9.0	3.1	1.5	2.3	.0	.0	.0	.8	.0	.2
28	10.2	8.9	9.6	3.3	.5	2.0	.0	.0	.0	1.8	.4	1.1
29	11.0	8.6	9.7	3.0	.1	1.8	.0	.0	.0	2.5	.5	1.5
30	9.5	7.2	8.4	2.9	1.1	2.0	.0	.0	.0	1.8	.0	.9
31	8.9	7.2	8.1	---	---	---	.0	.0	.0	.3	.0	.0
MONTH	17.5	5.8	10.6	7.7	.0	2.1	4.2	.0	.6	2.5	.0	.2

09105000 PLATEAU CREEK NEAR CAMEO, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	6.8	4.1	5.5	12.4	5.6	9.5	16.1	8.0	12.5
2	1.2	.0	.2	7.9	3.3	5.6	12.3	8.1	10.6	15.1	10.2	11.8
3	1.7	.0	.7	8.0	3.7	5.9	12.6	6.8	10.1	10.8	7.8	9.0
4	3.8	.0	1.6	8.7	3.1	6.0	11.2	7.3	9.5	10.8	6.8	8.8
5	3.9	.0	2.1	7.5	4.6	5.9	10.7	6.3	8.7	12.6	8.1	10.1
6	4.0	.3	2.3	8.9	4.1	6.4	9.3	6.7	8.0	15.4	8.6	11.9
7	5.1	2.5	3.6	8.2	5.3	6.9	8.6	5.1	6.9	16.7	9.3	13.1
8	3.6	.0	2.1	10.8	4.6	7.7	9.2	4.1	6.5	18.5	10.5	14.6
9	.0	.0	.0	9.9	6.2	8.3	11.8	3.5	7.5	17.4	11.6	15.0
10	.0	.0	.0	9.9	7.2	8.7	9.9	6.1	7.2	16.7	11.3	14.4
11	2.6	.0	.8	8.9	5.3	6.8	10.7	4.5	7.3	17.1	10.3	14.0
12	3.7	1.1	2.4	9.4	4.5	7.0	9.5	5.5	7.4	17.0	10.1	13.9
13	5.3	1.4	3.4	12.4	6.9	9.5	11.8	3.7	7.7	16.0	11.7	14.2
14	6.0	1.7	3.7	10.8	5.1	7.3	12.3	6.1	9.4	17.6	12.1	14.9
15	5.9	1.3	3.4	9.5	2.7	5.8	14.2	5.5	10.0	15.9	9.3	12.7
16	3.8	.0	2.3	8.3	4.9	6.1	15.7	6.4	11.3	15.6	10.2	13.1
17	4.9	.1	2.5	7.4	4.4	5.8	16.5	8.5	12.6	14.6	11.5	13.1
18	4.0	1.6	2.6	9.9	4.3	7.0	15.6	9.3	12.8	15.4	8.6	12.0
19	6.9	2.8	4.7	11.6	4.8	8.4	15.9	10.4	13.1	15.4	11.3	13.6
20	6.2	2.3	4.6	12.0	6.0	9.4	13.4	9.3	11.2	16.6	10.0	13.4
21	7.9	4.6	6.2	12.7	7.8	10.4	11.6	7.7	9.6	---	8.1	---
22	6.4	3.2	5.0	12.2	7.1	9.9	9.9	7.2	8.1	---	---	---
23	6.1	4.0	4.8	11.6	6.7	9.4	14.0	5.1	9.3	18.8	---	---
24	5.1	2.2	3.7	12.6	5.5	9.5	15.8	7.3	11.6	19.5	11.9	16.0
25	5.3	2.1	3.6	12.2	6.1	9.5	17.4	9.0	13.3	18.4	12.2	15.9
26	4.5	2.0	3.4	10.1	6.2	8.3	17.9	10.0	14.2	18.6	12.8	15.9
27	6.6	3.2	4.7	11.2	5.7	8.5	16.7	10.4	13.9	19.4	12.8	16.2
28	5.6	3.0	4.7	9.0	4.3	7.0	16.4	12.7	14.4	19.6	13.7	16.7
29	---	---	---	8.5	4.8	6.7	15.0	10.9	13.2	19.5	13.8	16.8
30	---	---	---	11.6	4.2	7.7	15.2	9.1	12.4	21.5	13.4	17.5
31	---	---	---	12.2	4.6	8.7	---	---	---	22.4	13.7	18.2
MONTH	7.9	.0	2.8	12.7	2.7	7.6	17.9	3.5	10.2	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.0	14.4	18.7	24.0	19.5	21.9	---	---	---	23.7	15.4	19.4
2	20.6	14.4	18.0	26.9	18.2	22.4	---	---	---	24.0	15.2	19.3
3	20.3	15.1	17.8	28.9	19.5	24.0	---	---	---	23.7	14.6	19.2
4	20.1	14.3	17.2	29.1	20.5	24.7	---	---	---	22.5	15.5	18.7
5	21.0	11.6	16.3	28.6	20.6	24.3	---	---	---	23.0	15.1	18.8
6	22.9	13.5	18.1	29.7	20.8	24.9	---	---	---	20.1	15.3	17.7
7	23.9	15.3	19.7	28.5	21.1	24.6	---	---	---	19.7	11.7	15.4
8	24.2	16.0	20.3	29.5	21.4	24.9	---	---	---	19.3	11.3	14.9
9	25.3	17.0	21.0	28.3	21.2	24.3	---	---	---	19.1	9.3	14.0
10	25.0	16.3	20.7	28.6	20.5	23.8	---	---	---	19.8	9.9	14.8
11	24.6	15.9	20.2	24.8	19.3	22.2	---	---	---	20.9	11.2	15.9
12	20.5	15.5	18.1	24.8	19.7	22.4	---	---	---	21.0	12.5	16.7
13	16.8	12.7	14.4	22.5	19.3	21.0	20.7	---	---	18.5	13.8	16.3
14	23.0	10.7	15.1	21.0	18.0	19.1	24.4	17.9	20.8	22.1	13.8	17.5
15	22.1	12.2	17.1	23.1	15.8	19.3	22.3	16.3	19.5	21.0	13.0	17.0
16	23.8	13.8	18.8	24.0	17.0	20.2	24.0	15.9	19.7	20.8	12.7	16.6
17	24.1	14.9	19.5	23.7	16.1	20.1	25.1	15.7	20.2	20.4	14.7	17.0
18	24.4	15.8	20.0	25.9	17.9	21.5	23.5	15.4	19.7	20.3	12.2	15.9
19	25.1	15.9	20.4	26.6	17.6	22.0	25.0	16.5	20.6	20.3	11.8	15.9
20	25.3	16.8	21.1	26.9	18.8	22.5	23.3	17.6	20.3	20.3	11.8	16.1
21	26.9	17.1	21.9	27.2	18.7	22.8	23.2	17.2	20.2	20.0	11.8	16.0
22	25.7	17.8	21.8	26.6	18.1	22.3	21.8	15.4	18.7	20.2	11.8	15.9
23	26.7	17.2	21.8	22.6	18.2	21.0	23.2	13.6	17.8	19.7	11.1	15.5
24	26.0	19.8	22.7	22.8	18.7	20.6	22.2	14.7	18.6	19.2	11.3	15.4
25	25.1	18.9	21.8	26.5	18.0	21.6	24.9	15.3	19.8	18.9	11.2	15.2
26	22.1	17.8	20.1	22.7	19.3	21.1	24.9	15.3	20.1	19.1	11.2	15.2
27	25.3	16.7	20.6	26.2	16.6	21.0	24.6	15.2	20.0	18.8	11.0	15.0
28	27.8	17.7	22.5	27.2	18.2	22.6	23.5	16.3	19.8	18.6	11.0	15.0
29	28.2	18.9	23.5	27.3	18.6	22.8	22.8	15.1	19.0	18.7	12.5	15.5
30	28.8	19.9	24.1	25.9	18.7	22.2	22.5	15.2	19.0	19.6	11.7	15.6
31	---	---	---	24.8	19.0	21.5	23.1	16.2	19.5	---	---	---
MONTH	28.8	10.7	19.8	29.7	15.8	22.2	---	---	---	24.0	9.3	16.4

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.3, T.1 S., R.98 W., 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 except for the period May 18 to June 8, which are fair. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	673	1270	1750	1480	1280	1360	1340	2540	6660	1680	686	1240
2	658	1450	1600	1440	1240	1390	1040	2870	6660	1580	837	1260
3	602	1640	1630	1350	1280	1370	828	3500	6830	1440	994	1210
4	543	1530	1560	1270	1320	1350	881	3170	6220	1290	1070	1150
5	733	1730	1580	1300	1340	1330	923	2630	5260	1190	1120	1110
6	901	2080	1570	1330	1340	1340	927	2350	3980	1090	979	1070
7	968	2120	1630	1370	1410	1340	968	1970	4250	1080	1080	959
8	961	1850	1520	1270	1490	1470	1010	1690	5150	1060	1520	969
9	926	1760	1580	1180	1380	1380	909	1590	5510	1070	1330	1080
10	915	1790	1560	1230	1280	1450	779	2000	5570	1160	1590	1210
11	916	1710	1650	1420	1300	1570	708	2520	5390	1280	1060	1220
12	961	1720	1620	1420	1300	1570	676	3400	5150	1080	1000	1170
13	956	1780	1510	1450	1330	1310	777	4550	4570	928	895	1140
14	953	1640	1560	1440	1400	1400	690	5770	4170	1020	978	1150
15	947	1500	1590	1350	1410	1350	580	6860	3250	1330	1120	1010
16	963	1630	1600	1270	1360	1350	549	7000	2590	1580	1430	898
17	961	1710	1430	1160	1310	1310	500	7360	2340	1480	1290	916
18	954	1520	1280	1160	1290	1310	573	7880	2250	1080	1200	989
19	881	1580	1300	1160	1320	1340	772	7710	2330	785	1120	1120
20	823	1700	1280	1210	1370	1360	1120	8010	2310	767	1020	1080
21	821	1560	1330	1290	1390	1390	1450	7930	2320	691	1020	974
22	827	1780	1420	1270	1420	1460	1260	6950	2320	594	1250	894
23	889	1780	1510	1340	1470	1630	947	5760	2320	518	1460	844
24	949	1760	1580	1340	1420	1720	737	5720	2130	500	1370	857
25	1070	1700	1580	1400	1350	1730	547	6250	2110	477	1290	891
26	1110	1730	1560	1400	1330	1790	576	6660	2250	592	1200	859
27	1080	1720	1370	1370	1350	1860	983	6830	2430	693	1110	824
28	918	1790	1270	1350	1370	1820	1470	6990	2660	795	1040	790
29	929	1790	1250	1370	---	1690	2230	7380	2100	730	1000	775
30	1010	1700	1290	1340	---	1570	2430	7020	1850	661	972	754
31	1150	---	1410	1260	---	1460	---	6770	---	634	1100	---
TOTAL	27948	51020	46370	40990	37850	45770	29180	159630	112930	30855	35131	30413
MEAN	902	1701	1496	1322	1352	1476	973	5149	3764	995	1133	1014
MAX	1150	2120	1750	1480	1490	1860	2430	8010	6830	1680	1590	1260
MIN	543	1270	1250	1160	1240	1310	500	1590	1850	477	686	754
AC-FT	55430	101200	91970	81300	75080	90780	57880	316600	224000	61200	69680	60320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2001, BY WATER YEAR (WY)

MEAN	1263	1938	1765	1743	1793	2050	2157	7835	10370	4286	1672	1242
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1991 - 2001	
ANNUAL TOTAL	856974		648087			
ANNUAL MEAN	2341		1776		3178	
HIGHEST ANNUAL MEAN					5114	1997
LOWEST ANNUAL MEAN					1764	1992
HIGHEST DAILY MEAN	13500	May 31	8010	May 20	29600	Jun 17 1995
LOWEST DAILY MEAN	543	Oct 4	477	Jul 25	342	Aug 6 1994
ANNUAL SEVEN-DAY MINIMUM	651	Sep 29	581	Jul 21	443	Aug 2 1994
MAXIMUM PEAK FLOW			unknown		30600	Jun 17 1995
MAXIMUM PEAK STAGE			unknown		12.41	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	1700000		1285000		2302000	
10 PERCENT EXCEEDS	5100		3200		7440	
50 PERCENT EXCEEDS	1740		1340		1860	
90 PERCENT EXCEEDS	821		822		837	

09107000 TAYLOR RIVER AT TAYLOR PARK, CO

LOCATION.--Lat 38°51'37", long 106°33'58", in NW$^1/_4$NE$^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	48	e38	e31	e29	36	42	160	420	146	98	73
2	52	48	e38	e29	e28	36	49	166	434	138	105	66
3	51	47	e37	e29	e29	e34	55	118	418	132	99	62
4	55	45	e37	e29	e30	e34	64	101	374	126	112	58
5	65	49	e37	e29	e31	e35	59	100	319	121	86	57
6	60	44	e35	e30	e32	37	46	94	314	118	96	57
7	55	e44	e34	e29	e33	36	43	99	334	114	122	64
8	54	e44	e33	e29	e34	36	43	110	343	109	114	63
9	53	e44	e31	e29	e35	36	44	135	336	109	112	61
10	53	e43	e32	e30	e33	36	44	145	332	115	110	57
11	52	e41	e34	e29	e32	36	39	169	308	103	103	55
12	52	e37	e36	e29	e33	35	40	206	282	106	86	54
13	51	e36	e36	e30	e33	36	42	233	280	110	83	53
14	50	e35	e35	e29	e34	34	43	272	254	104	138	62
15	48	e37	e36	e28	e31	e33	50	302	232	113	120	56
16	48	e37	e33	e29	e33	e33	61	343	211	100	95	53
17	48	e34	e34	e27	e33	35	72	364	198	88	86	65
18	47	e36	e32	e27	e33	36	90	328	197	84	78	72
19	47	e38	e31	e28	e34	35	98	351	196	80	73	61
20	47	e38	e32	e29	e34	35	83	374	192	77	79	56
21	46	e37	e31	e29	e34	37	63	349	186	76	104	53
22	47	e39	e31	e30	e33	40	58	297	184	75	82	52
23	49	e40	e32	e29	e34	38	56	323	175	72	75	50
24	57	e39	e30	e27	e33	41	61	370	167	77	70	49
25	54	e37	e31	e27	e33	42	72	383	172	85	67	48
26	49	e37	e30	e28	e33	43	91	410	172	87	67	48
27	50	e36	e30	e29	e35	40	107	410	193	90	61	47
28	59	e35	e29	e31	e35	38	119	431	165	76	62	47
29	59	e38	e30	e31	---	38	132	417	164	68	64	47
30	52	e35	e30	e31	---	37	137	375	154	65	63	48
31	52	---	e31	e28	---	38	---	406	---	79	65	---
TOTAL	1617	1198	1026	899	914	1136	2003	8341	7706	3043	2775	1694
MEAN	52.2	39.9	33.1	29.0	32.6	36.6	66.8	269	257	98.2	89.5	56.5
MAX	65	49	38	31	35	43	137	431	434	146	138	73
MIN	46	34	29	27	28	33	39	94	154	65	61	47
AC-FT	3210	2380	2040	1780	1810	2250	3970	16540	15280	6040	5500	3360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2001, BY WATER YEAR (WY)

MEAN	59.4	47.8	40.2	34.8	33.7	39.1	76.6	268	405	190	92.6	67.4
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1988 - 2001	
ANNUAL TOTAL	33749		32352			
ANNUAL MEAN	92.2		88.6		113	
HIGHEST ANNUAL MEAN					197	1995
LOWEST ANNUAL MEAN					79.4	1992
HIGHEST DAILY MEAN	582	May 24	434	Jun 2	1120	Jun 17 1995
LOWEST DAILY MEAN	e29	Dec 28	e27	Jan 17	a24	Feb 7 1989
ANNUAL SEVEN-DAY MINIMUM	30	Dec 24	28	Jan 14	25	Feb 23 1996
MAXIMUM PEAK FLOW			524	Jun 2	1400	Jun 18 1995
MAXIMUM PEAK STAGE			2.82	Jun 2	4.08	Jun 18 1995
ANNUAL RUNOFF (AC-FT)	66940		64170		81920	
10 PERCENT EXCEEDS	211		201		278	
50 PERCENT EXCEEDS	52		50		55	
90 PERCENT EXCEEDS	34		30		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, 89,800 acre-ft, June 14, elevation, 9,321.56 ft; minimum contents, 62,300 acre-ft, Mar. 22, 24, and 28-31, elevation, 9,305.07 ft.

MONTHEND ELEVATION AND CONTENTS, AT 1800, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	9307.66	66,200	
Oct. 31	9307.04	65,300	-900
Nov. 30	9306.71	64,800	-500
Dec. 31	9306.23	64,100	-700
CAL YR 2000	-	-	-15,900
Jan. 31	9305.71	63,300	-800
Feb. 28	9305.39	62,800	-500
Mar. 31	9305.07	62,300	-500
Apr. 30	9306.84	65,000	+2,700
May 31	9318.83	84,800	+19,800
June 30	9320.19	87,300	+2,500
July 31	9314.12	76,600	-10,700
Aug. 31	9311.29	72,000	-4,600
Sept. 30	9308.00	66,800	-5,200
WATER YEAR 2001	-	-	+600

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	86	69	80	72	73	73	100	238	360	271	224
2	133	86	69	76	71	73	74	100	287	360	250	203
3	133	86	69	76	73	73	74	100	334	359	249	203
4	132	85	71	76	73	73	74	100	357	360	247	203
5	132	86	76	76	73	73	74	100	363	359	247	204
6	132	86	72	76	73	73	74	100	363	356	246	206
7	132	86	72	76	73	73	74	100	362	348	247	206
8	132	81	72	76	73	73	74	100	362	348	248	205
9	132	76	72	76	73	73	74	100	362	349	247	205
10	130	76	72	76	73	73	73	102	364	347	247	205
11	135	76	72	76	73	73	73	103	363	349	248	205
12	147	75	72	76	73	73	73	103	363	347	247	205
13	120	75	73	76	73	73	73	104	363	346	248	206
14	87	73	73	76	73	73	73	104	363	348	248	206
15	74	73	73	76	73	73	73	104	363	347	245	206
16	73	73	73	76	73	73	73	132	362	320	245	184
17	74	73	73	76	73	73	73	186	362	297	245	150
18	76	75	73	76	73	73	73	204	362	299	245	150
19	79	76	74	76	73	73	99	205	362	299	242	150
20	79	74	75	76	73	73	156	205	362	298	242	150
21	81	72	75	76	73	75	169	204	362	297	242	152
22	81	72	75	76	73	75	133	204	362	298	242	154
23	82	72	75	76	73	74	100	204	362	298	240	155
24	83	72	72	76	73	73	100	205	361	297	237	156
25	84	72	72	76	73	74	100	205	361	297	237	156
26	86	70	72	76	73	74	100	205	361	298	235	156
27	87	70	74	76	73	74	100	206	360	297	234	156
28	85	72	78	76	73	73	100	206	359	296	235	156
29	87	72	79	78	---	73	100	207	360	296	237	156
30	87	71	81	80	---	73	100	207	360	296	248	156
31	86	---	83	76	---	73	---	208	---	295	254	---
TOTAL	3195	2292	2281	2366	2041	2271	2679	4713	10625	10061	7595	5429
MEAN	103	76.4	73.6	76.3	72.9	73.3	89.3	152	354	325	245	181
MAX	147	86	83	80	73	75	169	208	364	360	271	224
MIN	73	70	69	76	71	73	73	100	238	295	234	150
AC-FT	6340	4550	4520	4690	4050	4500	5310	9350	21070	19960	15060	10770

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

MEAN	191	95.7	75.2	64.5	62.9	86.7	150	183	333	398	359	394
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	64559		55548			
ANNUAL MEAN	176		152		200	
HIGHEST ANNUAL MEAN					341	1995
LOWEST ANNUAL MEAN					94.8	1941
HIGHEST DAILY MEAN	475	Jun 8	364	Jun 10	2180	Jul 1 1957
LOWEST DAILY MEAN	69	Dec 1	69	Dec 1	a.00	May 1 1940
ANNUAL SEVEN-DAY MINIMUM	70	Nov 27	70	Nov 27	.00	May 1 1940
MAXIMUM PEAK FLOW			376	Jun 10	2270	Jul 1 1957
MAXIMUM PEAK STAGE			4.44	Jun 10	7.56	Jul 1 1957
ANNUAL RUNOFF (AC-FT)	128100		110200		144900	
10 PERCENT EXCEEDS	374		348		476	
50 PERCENT EXCEEDS	103		86		107	
90 PERCENT EXCEEDS	74		73		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.

PERIOD OF RECORD.--July 1910 to current year. Monthly discharge only for some periods, published in WSP 1313. Water-quality data available, October 1993 to September 2000.

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. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	192	153	e124	e118	e108	e111	118	267	499	446	331	294
2	191	152	e121	e118	e110	e111	121	274	555	442	306	264
3	190	151	e120	e116	e117	e112	121	247	599	440	315	262
4	189	149	e121	e115	e119	e118	128	225	608	445	311	262
5	191	155	e121	e118	e121	e120	134	228	584	444	305	258
6	186	145	e120	e113	e125	e120	131	225	564	449	309	258
7	188	149	e120	e102	e123	e121	125	231	564	423	310	259
8	190	158	e121	e110	e121	e123	123	230	562	424	330	256
9	190	149	e122	e115	e118	e124	120	247	558	420	310	255
10	191	146	e120	e114	e108	e123	124	256	554	420	311	253
11	193	148	e122	e115	e113	e121	125	259	541	415	308	252
12	208	145	e124	e113	e118	e119	122	264	525	418	300	249
13	200	138	e121	e113	e120	e117	121	268	539	422	295	252
14	160	135	e118	e113	e120	e112	122	307	545	418	333	254
15	136	150	e114	e112	e115	e111	122	310	513	424	330	251
16	136	141	e110	e112	e110	e111	128	362	502	418	321	247
17	136	135	e108	e111	e116	e111	138	449	491	365	312	212
18	135	128	e110	e105	e115	e115	155	487	485	362	306	219
19	135	e128	e115	e98	e115	e115	182	515	481	358	301	205
20	137	e127	e119	e108	e117	e112	239	510	482	357	302	189
21	136	e123	e121	e101	e116	112	235	502	481	354	316	182
22	138	e121	e118	e115	e114	115	211	464	481	351	309	184
23	158	e121	e112	e118	e110	116	164	470	472	343	303	185
24	163	e120	e110	e115	e107	119	162	481	460	333	299	187
25	160	e120	e113	e114	e110	119	178	492	457	331	295	188
26	156	e120	e118	e120	e113	120	205	503	465	334	295	190
27	155	e121	e120	e121	e118	117	231	516	483	335	292	192
28	157	e122	e110	e122	e120	114	237	526	467	332	291	192
29	161	e122	e112	e119	---	114	252	519	459	330	291	194
30	155	e123	e110	e115	---	116	257	486	452	331	302	195
31	154	---	e118	e115	---	116	---	478	---	337	311	---
TOTAL	5167	4095	3633	3514	3237	3605	4831	11598	15428	12021	9550	6840
MEAN	167	136	117	113	116	116	161	374	514	388	308	228
MAX	208	158	124	122	125	124	257	526	608	449	333	294
MIN	135	120	108	98	107	111	118	225	452	330	291	182
AC-FT	10250	8120	7210	6970	6420	7150	9580	23000	30600	23840	18940	13570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2001, BY WATER YEAR (WY)

MEAN	246	156	122	111	110	134	248	602	921	573	415	392
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1910 - 2001	
ANNUAL TOTAL	99358		83519			
ANNUAL MEAN	271		229		337	
HIGHEST ANNUAL MEAN					550	1995
LOWEST ANNUAL MEAN					155	1977
HIGHEST DAILY MEAN	718	Jun 7	608	Jun 4	3600	Jun 9 1920
LOWEST DAILY MEAN	e108	Dec 17	e98	Jan 19	a24	Mar 12 1938
ANNUAL SEVEN-DAY MINIMUM	113	Dec 24	107	Jan 15	27	Feb 19 1941
MAXIMUM PEAK FLOW			630	Jun 3	b3760	Jun 9 1920
MAXIMUM PEAK STAGE			2.74	Jun 3	c5.00	Jun 9 1920
ANNUAL RUNOFF (AC-FT)	197100		165700		243900	
10 PERCENT EXCEEDS	528		471		735	
50 PERCENT EXCEEDS	190		158		197	
90 PERCENT EXCEEDS	122		113		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.

385408106543600 EAST RIVER ABOVE CRESTED BUTTE, CO.

WATER-QUALITY RECORDS

LOCATION.--Lat 38°52'51", long 106°54'30",(revised), Gunnison County, Hydrologic Unit 14020001, approximately 200 ft 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	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)
NOV													
07...	1510	16	322	8.3	.8	10.0	<1	<.001	.037	.003	--	.09	E.05
JAN													
17...	1120	6.1	347	7.9	.4	8.8	<1	<.001	.079	<.002	--	E.07	E.07
MAR													
13...	1340	9.0	338	8.0	1.9	9.2	<1	<.001	.061	.011	--	<.08	<.10
APR													
30...	1450	124	248	8.1	10.5	7.9	<1	.001	.123	.005	.144	.25	.15
JUN													
07...	1240	203	187	8.1	9.4	8.5	59	<.001	.066	.007	--	.09	<.10
AUG													
28...	1720	31	267	8.2	16.4	6.9	E12	<.001	.019	.008	--	.08	<.10

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)
NOV			
07...	.004	<.006	<.007
JAN			
17...	<.004	<.006	<.007
MAR			
13...	.004	<.006	<.007
APR			
30...	.048	E.003	<.007
JUN			
07...	.015	<.006	<.007
AUG			
28...	E.003	<.006	<.007

E Estimated laboratory analysis value.

384950106544200 EAST RIVER ABOVE SLATE RIVER, NEAR CRESTED BUTTE, CO

WATER-QUALITY RECORDS

LOCATION (REVISED).--Lat 38°48'50", long 106°53'56", in $NE^{1}/_{4}NW^{1}/_{4}$ sec.28, 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 current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	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)
NOV													
08...	0810	14	361	8.4	.8	10.5	1.4	E3	<.001	.062	.002	--	E.07
JAN													
18...	0845	12	351	8.1	.2	10.4	1.7	E13	.002	.103	.040	--	.10
MAR													
14...	1040	5.3	332	8.6	4.0	11.0	2.0	14	.002	.031	.007	--	.11
MAY													
02...	1030	299	214	8.2	4.0	9.2	1.6	E15	.001	.119	.005	.097	.42
JUN													
08...	1000	446	178	7.9	6.6	8.8	1.1	--	<.001	.063	.003	--	E.07
AUG													
29...	0950	57	332	8.1	11.0	7.8	.6	E6	<.001	.018	<.002	--	<.08

DATE	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)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
NOV					
08...	<.10	.004	<.006	<.007	<.02
JAN					
18...	E.10	.009	.008	E.005	<.02
MAR					
14...	E.07	.009	E.005	<.007	<.02
MAY					
02...	.10	.088	E.004	<.007	<.04
JUN					
08...	E.07	.009	<.006	<.007	<.02
AUG					
29...	<.10	E.002	<.006	<.007	<.02

E Estimated laboratory analysis value.

DATE	TIME	PHEO-PHYTIN A, PERI-PHYTON (MG/M2) (62359)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2) (70957)
JUL			
17...	1130	6.9	10.4

385240106583600 SLATE RIVER ABOVE COAL CREEK, NEAR CRESTED BUTTE, CO

WATER-QUALITY RECORDS

LOCATION (REVISED).--Lat 38°53'22", long 106°59'48", in $SW^1/_4SW^1/_4$ sec.27, T.13 S., R.86 W., Gunnison County, Hydrologic Unit 14020001, 2.9 mi upstream from confluence with Coal Creek, and 1.5 mi northwest of Crested Butte.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD--April 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	E COLI, MTEC MF WATER (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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
NOV													
02...	0840	13	143	7.4	3.5	--	8.2	<1	--	--	--	<.001	.043
JAN													
16...	1300	6.2	146	7.5	.9	--	8.2	E1	--	--	--	<.001	.077
MAR													
12...	1330	5.8	150	7.3	3.0	3.8	8.5	<1	64.9	21.5	2.69	<.001	.077
MAY													
01...	0815	230	98	7.6	2.8	41	9.5	E1	42.2	14.4	1.53	.001	.093
JUN													
07...	0820	284	70	7.5	4.3	2.4	8.7	E5	30.6	10.5	1.06	<.001	.058
AUG													
30...	0750	24	123	7.5	9.0	1.7	7.1	E18	55.2	18.9	1.94	<.001	.043

DATE	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						
02...	<.002	.11	<.10	E.003	<.006	<.007
JAN						
16...	.004	E.06	<.10	<.004	E.003	<.007
MAR						
12...	.002	E.06	<.10	E.003	<.006	<.007
MAY						
01...	.002	.20	<.10	.026	<.006	<.007
JUN						
07...	.004	E.08	<.10	.013	<.006	<.007
AUG						
30...	.006	<.08	<.10	E.003	<.006	<.007

E Estimated laboratory analysis value.

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)
MAR								
12...	<15	.14	<1.3	20	<1.00	9.2	<.2	22
MAY								
01...	18	.31	1.3	30	<1.00	11.9	<.2	38
JUN								
07...	17	.29	1.5	20	E.97	8.8	<.2	49
AUG								
30...	E10	.39	E1.2	20	E.71	10.1	<.2	41

E Estimated laboratory analysis value.

385240106583600 SLATE RIVER ABOVE COAL CREEK, NEAR CRESTED BUTTE, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
12...	1330	5.8	3.0	M	.00
MAY					
01...	0815	230	2.8	19	12
JUN					
07...	0820	284	4.3	9	7.1
AUG					
30...	0750	24	9.0	M	.03

M Presence of material verified but not quantified.

385224106590100 COAL CREEK AT MOUTH NEAR CRESTED BUTTE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°52'24", long 106°59'01", in NE$^{1}/_{4}$NE$^{1}/_{4}$ sec.3,T.14 S., R.86 W., Gunnison County, Hydrologic Unit 14020001, at pedestrian bridge on Butte Avenue, 0.2 mi north of Crested Butte, and 0.3 mi west of Highway 135.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD--November 2000 to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	E COLI, MTEC MF WATER (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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
NOV													
02...	1020	7.3	195	8.0	1.6	3.3	9.9	E2	79.3	25.9	3.53	<.001	.030
JAN													
16...	1440	4.4	213	7.6	.1	--	10.2	E1	--	--	--	<.001	.056
MAR													
12...	1450	3.4	294	7.8	1.5	--	9.9	<1	--	--	--	<.001	.053
MAY													
01...	1015	94	114	7.4	3.6	43	9.3	<1	41.6	14.1	1.52	.001	.101
JUN													
07...	1010	85	74	7.5	6.7	1.8	8.7	E1	30.4	10.3	1.16	<.001	.008
AUG													
30...	0950	5.0	188	7.9	11.0	2.4	7.7	E6	69.5	22.5	3.24	<.001	.006

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)
NOV							
02...	<.002	--	.10	<.10	.006	<.006	<.007
JAN							
16...	.004	--	E.05	E.06	E.002	<.006	<.007
MAR							
12...	<.002	--	<.08	<.10	E.003	E.004	<.007
MAY							
01...	.008	.111	.16	.12	.021	E.003	<.007
JUN							
07...	.005	--	.12	E.07	.006	<.006	<.007
AUG							
30...	.007	--	E.07	E.08	.005	<.006	<.007

E Estimated laboratory analysis value.

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)
NOV								
02...	39	.36	E.7	20	<1.00	55.7	<.2	91
MAY								
01...	241	3.92	17.0	70	E.64	273	<.2	647
JUN								
07...	69	.64	2.5	30	E.91	34.2	<.2	151
AUG								
30...	20	.27	4.4	30	<1.00	30.5	<.2	51

E Estimated laboratory analysis value.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
02...	1020	7.3	1.6	2	.04
MAY					
01...	1015	94	3.6	12	3.0
JUN					
07...	1010	85	6.7	2	.43
AUG					
30...	0950	5.0	11.0	1	.01

385325106581200 WASHINGTON GULCH BELOW WOODS CREEK AT MT. CRESTED BUTTE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°53'25", long 106°58'12", in SW$^1/_4$ SE$^1/_4$ sec.26, T.13 S., R.86 W., Gunnison County, Hydrologic Unit 14020001, 50 ft below confluence with Woods Creek, and 0.2 mi south of Mt. Crested Butte.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD--November 2000 to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	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)
NOV													
02...	1300	2.8	235	8.4	5.7	9.0	E3	.003	1.36	<.002	--	.25	.14
JAN													
17...	1420	1.8	255	8.0	2.0	10.2	180	.033	.662	.227	.251	.68	.48
MAR													
13...	0830	2.9	361	7.9	7.8	8.4	E1300	.018	6.66	.031	.450	2.5	.48
MAY													
01...	1315	68	108	7.8	7.0	8.4	E17	.002	.166	.018	.319	.52	.34
JUN													
07...	1500	11	135	8.1	17.1	7.0	E4	.002	.014	.012	.110	.19	.12
AUG													
29...	0820	2.2	256	8.0	11.0	7.8	87	.003	2.54	.012	.220	.31	.23

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)
NOV			
02...	.207	.193	.205
JAN			
17...	.345	.242	.259
MAR			
13...	1.81	1.34	1.15
MAY			
01...	.076	.016	.009
JUN			
07...	.042	.028	.024
AUG			
29...	.457	.464	.409

E Estimated laboratory analysis value.

09111500 SLATE RIVER NEAR CRESTED BUTTE, CO

LOCATION.--Lat 38°52'11", long 106°58'08", in NW$^1/_4$NE$^1/_4$ 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 fair 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	20	e14	e12	e12	e13	e27	461	688	190	50	31
2	24	21	e14	e12	e12	e13	e31	537	703	165	51	31
3	22	21	e14	e12	e12	e13	e30	448	646	142	49	30
4	24	20	e14	e12	e12	e13	e31	339	549	137	77	26
5	33	e19	e14	e12	e13	e12	e34	280	452	128	53	25
6	30	e19	e14	e12	e13	e12	e34	254	435	122	48	24
7	27	e19	e13	e12	e13	e12	e33	234	492	115	46	25
8	24	e19	e13	e12	e13	e12	e32	255	549	113	e88	24
9	22	e18	e13	e11	e13	e12	e31	320	552	112	89	23
10	21	e18	e13	e11	e13	e13	e30	365	542	114	74	22
11	21	e18	e13	e11	e13	e14	e31	409	495	109	57	20
12	20	e18	e13	e12	e13	e15	31	539	435	93	49	20
13	19	e17	e13	e12	e13	e16	30	716	392	96	45	19
14	17	e17	e13	e12	e12	e16	31	919	289	102	79	23
15	17	e16	e13	e12	e12	e17	32	1040	224	145	112	21
16	17	e16	e13	e12	e12	e18	48	1040	198	119	76	20
17	17	e15	e13	e12	e12	e19	78	1030	203	88	61	29
18	16	e15	e12	e12	e12	e20	118	893	232	73	52	34
19	15	e15	e12	e12	e12	e20	172	899	256	66	46	27
20	14	e15	e12	e12	e12	e21	188	878	266	60	46	25
21	14	e15	e12	e12	e12	e24	140	803	259	56	71	23
22	13	e15	e12	e11	e12	e24	106	628	263	51	67	22
23	16	e15	e12	e11	e12	e26	90	609	242	48	60	22
24	21	e15	e12	e11	e12	e28	98	690	251	47	51	21
25	19	e14	e12	e11	e12	e29	131	760	257	48	46	20
26	17	e14	e12	e11	e12	e31	179	773	232	54	42	20
27	17	e14	e12	e11	e13	e30	241	819	237	53	37	19
28	19	e14	e12	e11	e13	e29	308	838	220	44	35	19
29	20	e14	e12	e12	---	e27	350	741	217	40	33	18
30	19	e14	e12	e12	---	e26	364	666	202	37	31	18
31	21	---	e12	e12	---	e25	---	687	---	56	33	---
TOTAL	625	500	395	362	347	600	3079	19870	10978	2823	1754	701
MEAN	20.2	16.7	12.7	11.7	12.4	19.4	103	641	366	91.1	56.6	23.4
MAX	33	21	14	12	13	31	364	1040	703	190	112	34
MIN	13	14	12	11	12	12	27	234	198	37	31	18
AC-FT	1240	992	783	718	688	1190	6110	39410	21770	5600	3480	1390

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

MEAN	31.3	23.3	16.3	13.3	12.0	19.7	122	538	594	208	54.6	27.3
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1940 - 2001	
ANNUAL TOTAL	36962		42034			
ANNUAL MEAN	101		115		141	
HIGHEST ANNUAL MEAN					214	1995
LOWEST ANNUAL MEAN					102	2000
HIGHEST DAILY MEAN	850	May 25	1040	May 15	1390	Jun 17 1995
LOWEST DAILY MEAN	e12	Feb 25	e11	Jan 9	3.9	Nov 26 1942
ANNUAL SEVEN-DAY MINIMUM	12	Dec 18	11	Jan 22	5.8	Nov 21 1942
MAXIMUM PEAK FLOW			1170	May 15	1550	Jun 17 1995
MAXIMUM PEAK STAGE			5.07	May 15	5.84	Jun 17 1995
ANNUAL RUNOFF (AC-FT)	73310		83370		102300	
10 PERCENT EXCEEDS	347		399		520	
50 PERCENT EXCEEDS	19		24		27	
90 PERCENT EXCEEDS	13		12		11	

e Estimated.

09111500 SLATE RIVER NEAR CRESTED BUTTE, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--March 1995 to current year.

REMARKS.--The Nov 2 sample at 1430 was taken above bridge construction in the vicinity of the gage. The Nov 2 sample at 1510 was taken below the construction in the vicinity of the gage.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	E COLI, MTEC MF WATER (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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
02...	1430	22	178	7.9	6.1	1.6	9.2	--	E18	80.2	26.2	3.55	.007
02...	1510	22	180	7.9	5.8	76	9.2	--	--	80.8	26.3	3.66	.006
JAN													
17...	0810	12	222	7.5	0	--	9.1	--	7	--	--	--	.012
MAR													
14...	0800	16	228	7.4	.5	--	9.8	3.0	130	--	--	--	.003
MAY													
02...	0800	506	92	7.5	2.3	52	8.7	1.3	E5	38.4	12.5	1.74	.002
JUN													
06...	1330	395	83	7.6	10.6	3.9	8.1	.9	E1	36.0	12.1	1.40	<.001
AUG													
30...	1140	31	156	7.7	14.5	2.5	7.7	.5	31	65.3	21.7	2.71	.002

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)
NOV								
02...	.208	.029	--	.14	E.09	.058	.045	.040
02...	.200	.024	--	.62	E.08	--	.041	.035
JAN								
17...	.346	.166	.067	.27	.23	.042	.032	.025
MAR								
14...	.358	.480	.151	.67	.63	.143	.080	.073
MAY								
02...	.110	<.002	--	.35	.12	.058	.006	<.007
JUN								
06...	.058	.003	--	.10	E.07	.022	.009	E.005
AUG								
30...	.033	.091	.140	.25	.23	.063	.053	.020

E Estimated laboratory analysis value.

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)
NOV								
02...	E13	.20	<1.3	70	<1.00	56.9	<.2	29
02...	17	.15	<1.3	50	<1.00	57.3	<.2	E15
MAY								
02...	65	.75	4.3	60	E.53	58.8	<.2	136
JUN								
06...	23	.34	1.5	30	E.89	19.1	<.2	59
AUG								
30...	E11	.19	E1.0	60	<1.00	47.0	<.2	29

E Estimated laboratory analysis value.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
19...	0910	16	200	3.6	16...	1920	98	114	17.1

09111500 SLATE RIVER NEAR CRESTED BUTTE, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
02...	1430	22	6.1	4	.23
02...	1510	22	5.8	234	14
MAY					
02...	0800	506	2.3	53	73
JUN					
06...	1330	395	10.6	9	9.4
AUG					
30...	1140	31	14.5	4	.30

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	83	e59	e58	e50	48	76	817	1330	421	153	133
2	95	82	e59	e57	e50	44	92	934	1370	382	154	140
3	96	83	e59	e56	50	46	101	815	1300	336	159	147
4	98	82	e61	e55	50	e47	125	650	1170	318	193	131
5	114	e76	e58	e54	51	45	143	522	967	293	169	124
6	106	e68	e58	e54	50	47	128	447	928	270	157	120
7	97	e68	e56	e54	51	e50	108	416	1030	253	151	118
8	94	e72	e55	e55	52	49	101	451	1120	246	185	115
9	92	e74	e55	e55	51	51	91	522	1120	248	257	111
10	90	e76	e52	e54	e50	51	102	569	1130	253	245	107
11	88	e76	e47	e54	50	50	97	643	1060	253	212	101
12	83	e75	e50	e54	50	48	92	869	947	243	185	100
13	81	e76	e55	e54	e51	48	88	1020	884	238	174	98
14	77	e77	e58	e54	50	46	89	1220	717	237	217	105
15	75	e77	e57	e54	50	48	89	1410	587	287	280	100
16	75	e76	e57	e56	e51	50	118	1480	516	276	231	95
17	74	e75	e58	e58	e51	51	168	1480	520	215	205	107
18	72	e75	e59	e60	e51	49	247	1300	551	189	178	127
19	71	e75	e60	e58	50	47	361	1360	567	176	156	108
20	72	e75	e61	e56	47	50	383	1370	583	168	154	101
21	76	e74	e61	e54	50	59	260	1310	568	161	196	97
22	78	e74	e62	e52	48	68	219	1090	557	156	189	101
23	85	71	e62	e50	49	70	184	1100	518	150	179	110
24	94	71	e62	e49	47	73	189	1250	544	146	161	102
25	90	66	e61	e49	e46	76	239	1350	593	148	154	94
26	82	64	e60	e49	e47	80	335	1390	537	149	158	93
27	81	65	e58	e49	e48	76	457	1420	545	147	150	86
28	86	66	e58	e49	47	70	580	1520	495	134	146	84
29	87	62	e59	e50	---	70	660	1400	488	125	143	84
30	81	65	e59	e50	---	67	673	1270	456	119	133	83
31	84	---	e59	e50	---	69	---	1310	---	147	132	---
TOTAL	2674	2199	1795	1661	1388	1743	6595	32705	23698	6884	5556	3222
MEAN	86.3	73.3	57.9	53.6	49.6	56.2	220	1055	790	222	179	107
MAX	114	83	62	60	52	80	673	1520	1370	421	280	147
MIN	71	62	47	49	46	44	76	416	456	119	132	83
AC-FT	5300	4360	3560	3290	2750	3460	13080	64870	47000	13650	11020	6390

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	116	89.4	70.0	62.1	58.2	69.6	238	1030	1324	561	212	138
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	89889		90120			
ANNUAL MEAN	246		247		331	
HIGHEST ANNUAL MEAN					531	1995
LOWEST ANNUAL MEAN					162	1981
HIGHEST DAILY MEAN	1760	May 25	1520	May 28	3610	Jun 17 1995
LOWEST DAILY MEAN	45	Mar 10	44	Mar 2	36	Jan 24 1995
ANNUAL SEVEN-DAY MINIMUM	49	Mar 13	46	Feb 28	40	Feb 21 1964
MAXIMUM PEAK FLOW			1660	May 16	4350	Jun 18 1995
MAXIMUM PEAK STAGE			3.72	May 16	a5.06	Jun 18 1995
ANNUAL RUNOFF (AC-FT)	178300		178800		240100	
10 PERCENT EXCEEDS	764		756		1040	
50 PERCENT EXCEEDS	85		92		107	
90 PERCENT EXCEEDS	54		50		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.--Suspended sediment sample concentration determined from a subsample split.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	E COLI, MTEC MF WATER (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)
OCT													
19...	1330	73	318	8.5	7.7	--	8.8	--	--	151	47.1	8.00	4.1
NOV													
08...	0950	72	329	8.6	.9	1.0	10.9	1.8	E1	160	49.9	8.53	5.2
DEC													
05...	1150	58	317	8.5	1.9	--	11.0	--	--	150	46.6	8.23	5.1
JAN													
18...	1040	68	329	8.2	.2	--	10.8	2.2	--	151	46.8	8.38	5.7
FEB													
14...	1230	52	304	8.9	2.6	--	10.3	--	--	143	44.4	7.85	5.5
MAR													
13...	1015	42	310	8.6	2.3	--	12.0	--	--	150	46.8	7.98	6.6
APR													
26...	1240	280	222	8.0	7.4	--	9.1	--	<1	102	31.8	5.38	3.1
MAY													
30...	1600	1170	168	8.0	11.9	--	7.9	--	53	79.4	25.4	3.89	1.8
JUN													
19...	1250	593	201	8.2	12.1	--	7.9	--	--	95.4	30.7	4.56	1.9
JUL													
17...	0900	241	255	8.1	10.3	--	7.8	--	54	121	39.4	5.64	2.8
AUG													
13...	1200	165	290	8.4	15.2	--	7.8	--	20	146	47.0	6.81	3.3
SEP													
06...	1415	117	307	8.3	14.3	--	7.1	--	--	153	49.0	7.35	3.7

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 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, 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)
OCT													
19...	.146	.95	137	--	130	124	34.4	1.6	E.1	6.9	174	171	.2
NOV													
08...	.180	1.09	149	--	140	122	34.6	2.0	.2	7.7	194	183	.2
DEC													
05...	.183	.92	132	5	128	116	36.3	1.9	.2	7.1	185	176	.3
JAN													
18...	.201	1.04	155	--	133	127	36.9	1.8	.2	7.4	193	185	.3
FEB													
14...	.202	.97	124	6	112	112	36.4	2.2	.2	7.2	176	172	.2
MAR													
13...	.236	.98	132	4	124	114	36.0	2.6	.2	7.2	190	178	.3
APR													
26...	.135	.75	89	--	82	73	26.2	1.9	E.1	5.8	138	119	.2
MAY													
30...	.088	.64	--	--	70	--	14.5	.5	E.1	5.2	94	93.8	.1
JUN													
19...	.085	.56	94	--	83	77	18.4	.9	E.1	5.5	125	109	.2
JUL													
17...	.110	.81	120	--	110	98	20.8	1.1	E.1	6.7	150	136	.2
AUG													
13...	.118	.91	132	4	129	114	24.9	1.5	E.1	7.6	172	161	.2
SEP													
06...	.130	1.04	154	--	132	126	28.2	1.5	E.1	7.7	184	175	.3

09112200 EAST RIVER BELOW CEMENT CREEK NEAR CRESTED BUTTE, CO--Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
19...	34	.001	.026	.010	--	.12	E.06	.005	<.006	<.007	--	--	--
NOV													
08...	38	.001	.069	.004	--	E.07	<.10	.006	<.006	E.004	<15	<.14	<1.3
DEC													
05...	29	.001	.042	.007	--	.18	<.10	.004	<.006	<.007	--	--	--
JAN													
18...	35	.002	.154	.015	--	.09	E.08	.008	E.005	<.007	--	--	--
FEB													
14...	25	.001	.018	.005	--	.08	E.07	.015	.006	E.004	--	--	--
MAR													
13...	21	.003	.161	.003	--	.11	E.08	.014	.007	<.007	--	--	--
APR													
26...	104	.002	.100	.008	.127	.26	.14	.030	E.005	<.007	--	--	--
MAY													
30...	297	<.001	.043	<.002	--	.17	.13	.022	.007	<.007	--	--	--
JUN													
19...	200	<.001	.030	.003	--	.09	E.05	.011	<.006	<.007	--	--	--
JUL													
17...	98	<.001	.037	.008	--	.08	<.10	.008	<.006	<.007	--	--	--
AUG													
13...	77	<.001	.024	.010	--	.09	E.09	.008	E.003	<.007	--	--	--
SEP													
06...	58	.001	.044	.003	--	E.07	E.06	.009	.006	E.005	--	--	--

DATE	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					
19...	M	--	E1.7	--	--
NOV					
08...	<10	<1.00	<3.2	<.2	<20
DEC					
05...	<10	--	<3.2	--	--
JAN					
18...	M	--	3.2	--	--
FEB					
14...	<10	--	3.2	--	--
MAR					
13...	<10	--	3.2	--	--
APR					
26...	20	--	42.6	--	--
MAY					
30...	20	--	7.4	--	--
JUN					
19...	20	--	5.2	--	--
JUL					
17...	10	--	5.9	--	--
AUG					
13...	M	--	3.4	--	--
SEP					
06...	10	--	E3.2	--	--

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

09112200 EAST RIVER BELOW CEMENT CREEK NEAR CRESTED BUTTE, CO--Continued
(National Water-Quality Assessment Program station)

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
19...	1330	73	7.7	2	.33
DEC					
05...	1150	58	1.9	M	.06
JAN					
18...	1040	68	.2	2	.40
FEB					
14...	1230	52	2.6	2	.21
MAR					
13...	1015	42	2.3	M	.07
APR					
26...	1240	280	7.4	15	11
MAY					
30...	1600	1170	11.9	23	73
JUN					
19...	1250	593	12.1	4	7.0
JUL					
17...	0900	241	10.3	2	1.0
AUG					
13...	1200	165	15.2	2	.89
SEP					
06...	1415	117	14.3	M	.16

M Presence of material verified but not quantified.

09112500 EAST RIVER AT ALMONT, CO

LOCATION.--Lat 38°39'52", long. 106°50'51", 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, 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	96	60	e52	e48	49	77	700	1100	378	169	164
2	102	96	68	e52	e48	47	96	821	1160	361	169	167
3	102	e90	71	e53	e48	53	105	728	1100	342	162	177
4	101	e87	68	e54	e48	54	131	605	1010	334	183	157
5	114	e86	69	e54	e47	56	166	509	843	328	179	150
6	108	85	64	e52	e48	56	152	446	796	309	169	147
7	100	79	64	e51	e49	54	128	426	858	289	165	146
8	97	84	64	e51	e51	49	119	448	942	283	189	139
9	93	95	63	e52	e51	51	103	501	954	281	300	136
10	90	92	63	e54	e50	53	116	536	966	285	323	133
11	89	e90	52	e53	e49	51	112	588	926	284	282	127
12	86	90	e58	e52	e48	48	104	773	846	294	245	124
13	93	84	e57	e50	e48	46	97	914	802	285	223	120
14	92	e84	e57	e48	e49	47	98	1080	687	282	250	124
15	89	e85	e58	e47	e50	45	96	1220	567	306	320	124
16	85	e85	e58	e46	e50	51	122	1320	496	319	277	117
17	83	e84	e58	e46	e50	51	171	1340	481	293	256	120
18	82	e83	e58	e47	e50	47	244	1160	483	265	233	153
19	83	e84	e57	e48	e49	44	349	1190	481	243	200	132
20	83	e83	e56	e50	e50	46	401	1190	500	229	201	123
21	83	e82	e57	e51	e50	57	320	1140	483	220	235	117
22	88	e82	e57	e50	e51	67	276	947	467	211	233	115
23	96	82	e56	e50	e51	73	228	914	452	192	221	129
24	104	75	e56	e49	e51	78	224	1020	464	170	201	119
25	108	73	e56	e49	e50	82	260	1130	535	172	190	109
26	99	75	e56	e49	e49	90	333	1190	485	176	194	106
27	93	74	e54	e47	e49	85	422	1220	488	174	184	100
28	96	72	e53	e47	46	77	528	1320	442	159	180	97
29	100	65	e52	e47	---	77	594	1210	432	148	176	95
30	97	e68	e53	e48	---	72	588	1080	411	142	168	90
31	93	---	e53	e48	---	72	---	1100	---	157	161	---
TOTAL	2938	2490	1826	1547	1378	1828	6760	28766	20657	7911	6638	3857
MEAN	94.8	83.0	58.9	49.9	49.2	59.0	225	928	689	255	214	129
MAX	114	96	71	54	51	90	594	1340	1160	378	323	177
MIN	82	65	52	46	46	44	77	426	411	142	161	90
AC-FT	5830	4940	3620	3070	2730	3630	13410	57060	40970	15690	13170	7650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2001, BY WATER YEAR (WY)

MEAN	117	95.5	73.1	62.1	59.3	68.2	248	1027	1371	564	235	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1911 - 2001	
ANNUAL TOTAL	91096		86596			
ANNUAL MEAN	249		237		339	
HIGHEST ANNUAL MEAN					574	1995
LOWEST ANNUAL MEAN					104	1977
HIGHEST DAILY MEAN	1610	May 25	1340	May 17	5000	Jun 12 1918
LOWEST DAILY MEAN	e52	Feb 29	44	Mar 19	19	Aug 13 1913
ANNUAL SEVEN-DAY MINIMUM	54	Dec 25	47	Mar 13	21	Jan 15 1940
MAXIMUM PEAK FLOW			1430	May 16	a6500	Jun 15 1921
MAXIMUM PEAK STAGE			5.32	May 16	b6.60	Jun 15 1921
ANNUAL RUNOFF (AC-FT)	180700		171800		245200	
10 PERCENT EXCEEDS	757		692		1050	
50 PERCENT EXCEEDS	102		100		109	
90 PERCENT EXCEEDS	57		49		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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	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)
NOV													
08...	1230	76	326	8.4	.8	10.6	2.0	<1	<.001	.041	.004	--	E.07
JAN													
18...	1320	49	336	8.2	.5	11.0	2.0	--	.001	.098	.002	--	.09
APR													
26...	1040	325	232	8.3	8.0	8.9	--	E11	.002	.097	.006	.127	.27
MAY													
29...	1820	1110	184	8.0	9.7	7.9	--	67	.001	.042	<.002	--	.19
JUL													
17...	1400	292	291	8.3	14.0	7.9	--	E18	<.001	.011	.007	--	.11
AUG													
28...	1540	176	318	8.3	16.2	7.4	--	E7	<.001	.009	.008	--	.10

DATE	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				
08...	E.05	.004	<.006	E.004
JAN				
18...	<.10	.004	E.003	<.007
APR				
26...	.13	.032	E.004	<.007
MAY				
29...	E.10	.021	E.003	<.007
JUL				
17...	E.09	.008	<.006	<.007
AUG				
28...	E.06	.005	<.006	<.007

E Estimated laboratory analysis value.

DATE	TIME	PHEO-PHYTIN A, PERI-PHYTON (MG/M2) (62359)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2) (70957)
JUL			
17...	1405	9.1	14.8

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
18...	1715	80	330	9.8
DEC				
05...	1330	91	316	.1
FEB				
27...	1410	49	326	6.4

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	12	e13	e13	e12	e14	48	221	167	65	90	36
2	17	e11	e13	e13	e12	e14	54	257	178	64	109	33
3	17	e11	e14	e13	e12	e14	63	235	175	59	87	33
4	15	e11	e14	e13	e12	e14	78	183	149	51	72	30
5	16	e11	e15	e13	e13	e14	75	160	109	51	73	29
6	16	e11	e15	e13	e13	e15	58	141	103	49	125	30
7	15	e10	e14	e13	e13	16	48	119	103	53	84	32
8	15	e10	e14	e12	e13	17	46	117	109	51	87	30
9	14	9.9	e14	e12	e13	17	42	133	113	49	89	29
10	13	e11	e14	e12	e13	17	51	157	113	56	95	28
11	11	e11	e14	e12	e13	16	47	169	106	64	71	28
12	11	e12	e14	e12	e14	17	43	210	97	68	62	26
13	11	e13	e13	e13	e14	e17	37	228	109	106	56	26
14	12	e13	e13	e12	e14	e18	39	254	116	141	87	31
15	12	e13	e13	e12	e14	e17	37	285	86	142	108	29
16	12	e14	e13	e12	e14	e16	49	288	71	114	75	26
17	12	e14	e13	e12	e13	16	67	300	61	89	63	27
18	11	e14	e13	e12	e13	19	84	247	61	78	55	32
19	11	e15	e13	e12	e14	21	113	244	57	67	50	32
20	11	e15	e13	e12	e14	21	121	252	58	65	49	29
21	11	e15	e13	e12	e14	22	87	243	55	62	73	28
22	11	e15	e13	e12	e13	27	78	189	58	52	70	27
23	12	e15	e13	e12	e13	34	64	178	57	43	66	26
24	14	e15	e13	e12	e13	42	67	189	62	47	53	25
25	12	e15	e13	e12	e13	47	86	205	69	78	47	23
26	11	e15	e13	e12	e13	50	114	200	73	75	43	24
27	11	e15	e13	e13	e14	50	146	216	83	71	40	24
28	12	e14	e13	e13	e14	46	165	218	77	60	38	24
29	13	e14	e13	e13	---	40	177	191	81	55	36	23
30	13	e14	e13	e12	---	40	191	169	73	50	35	23
31	13	---	e13	e12	---	41	---	168	---	69	38	---
TOTAL	403	388.9	415	383	370	769	2375	6366	2829	2144	2126	843
MEAN	13.0	13.0	13.4	12.4	13.2	24.8	79.2	205	94.3	69.2	68.6	28.1
MAX	18	15	15	13	14	50	191	300	178	142	125	36
MIN	11	9.9	13	12	12	14	37	117	55	43	35	23
AC-FT	799	771	823	760	734	1530	4710	12630	5610	4250	4220	1670

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

MEAN	19.5	14.6	17.3	16.4	16.4	32.3	90.4	200	140	94.4	68.3	34.0
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	13.0	13.0	13.4	12.4	13.2	24.8	38.8	167	91.5	62.1	33.4	24.8
(WY)	2001	2001	2001	2001	2001	2001	1999	1999	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1999 - 2001	
ANNUAL TOTAL	21283.9		19411.9			
ANNUAL MEAN	58.2		53.2		56.7	
HIGHEST ANNUAL MEAN					60.2	2000
LOWEST ANNUAL MEAN					53.2	2001
HIGHEST DAILY MEAN	407	May 8	300	May 17	407	May 8 2000
LOWEST DAILY MEAN	9.9	Nov 9	9.9	Nov 9	9.9	Nov 9 2000
ANNUAL SEVEN-DAY MINIMUM	11	Nov 3	11	Nov 3	11	Nov 3 2000
MAXIMUM PEAK FLOW			335	May 15	497	Jun 18 1999
MAXIMUM PEAK STAGE			a4.05	May 15	4.45	Jun 18 1999
ANNUAL RUNOFF (AC-FT)	42220		38500		41070	
10 PERCENT EXCEEDS	168		141		176	
50 PERCENT EXCEEDS	22		26		32	
90 PERCENT EXCEEDS	13		12		13	

e Estimated.
a Maximum gage height, 4.48 ft, Feb 5, backwater from ice.

09113980 OHIO CREEK ABOVE MOUTH, NEAR GUNNISON, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--November (revised) 1996 to current year.

REMARKS--Prior to September 1998, published as site number 383516106555000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	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)
NOV													
08...	1430	15	341	8.5	6.5	9.9	1.6	E6	<.001	.023	.003	.129	.26
JAN													
19...	0930	12	204	7.7	0	9.8	1.6	31	.001	.071	.009	--	.10
APR													
26...	1440	97	124	8.0	13.0	7.6	1.4	55	.001	.008	.003	.198	.43
MAY													
30...	1330	182	203	8.0	15.2	7.2	1.3	190	.001	.013	.005	.342	.43
JUL													
19...	0800	72	321	7.9	11.9	7.3	.9	280	<.001	.011	.007	.262	.33
AUG													
29...	1230	39	184	8.2	17.0	7.4	1.0	140	.001	<.005	.007	.143	.19

DATE	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				
08...	.13	.061	.025	.027
JAN				
19...	E.08	.029	.022	.018
APR				
26...	.20	.075	.019	.014
MAY				
30...	.35	.061	.042	.027
JUL				
19...	.27	.059	.034	.027
AUG				
29...	.15	.065	.047	.012

E Estimated laboratory analysis value.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					DEC				
19...	1105	12	339	5.4	05...	0905	16	279	.3

09114500 GUNNISON RIVER NEAR GUNNISON, CO

LOCATION.--Lat 38°32'31", long 106°56'57", in NW$^{1}/_{4}$NW$^{1}/_{4}$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	307	255	240	e198	e200	e180	278	1080	1770	922	618	420
2	299	254	238	e195	e190	e180	302	1280	1880	898	603	390
3	300	254	239	e195	e190	e178	313	1150	1890	834	571	402
4	298	254	232	e195	e194	e180	318	963	e1780	805	569	382
5	314	257	235	e195	e198	e190	321	839	e1610	791	560	374
6	302	239	239	e195	e200	e200	296	744	e1520	765	603	356
7	294	239	233	e198	e205	209	268	698	1470	748	562	353
8	294	250	e238	e196	e203	208	263	687	1580	740	604	334
9	293	254	237	e193	e200	205	246	752	1610	728	669	337
10	287	253	239	e192	e191	220	263	818	1620	730	725	336
11	285	266	236	e192	e191	211	263	e878	1580	728	658	329
12	281	252	235	e193	e193	207	e263	e1050	1450	736	e615	325
13	276	253	e235	e192	e195	203	241	e1200	1440	772	569	321
14	246	e258	e232	e193	e198	193	244	e1560	1430	796	e657	320
15	229	e260	e228	e192	e198	183	238	e1830	1210	835	e700	322
16	229	e262	e225	e190	e197	184	264	e1960	1080	820	e663	320
17	224	e260	e222	e191	e192	195	311	e1990	1040	726	615	296
18	223	e258	e218	e194	e190	192	374	e1770	1020	696	583	328
19	223	e260	e218	e195	e190	195	511	e1810	992	653	532	300
20	220	e262	e215	e199	e192	204	668	e1830	1000	616	524	274
21	226	265	e215	e199	e192	220	558	e1780	1000	619	569	264
22	237	e260	e208	e200	e192	243	479	e1630	987	603	562	263
23	257	e260	e205	e200	e188	257	385	e1570	973	587	541	281
24	270	260	e202	e195	e182	265	369	e1670	974	604	508	292
25	268	261	e200	e192	e180	277	430	e1740	1050	635	480	287
26	258	261	e198	e192	e185	287	531	e1800	1020	634	485	292
27	255	e259	e195	e198	e190	277	700	e1840	1070	631	456	295
28	262	258	e200	e201	e185	265	813	e1920	1010	588	441	288
29	269	248	e200	e198	---	266	920	e1800	1000	567	411	286
30	259	258	e200	e190	---	262	955	1770	971	552	422	296
31	255	---	e198	e195	---	270	---	1750	---	585	426	---
TOTAL	8240	7690	6855	6043	5401	6806	12385	44159	39027	21944	17501	9663
MEAN	266	256	221	195	193	220	413	1424	1301	708	565	322
MAX	314	266	240	201	205	287	955	1990	1890	922	725	420
MIN	220	239	195	190	180	178	238	687	971	552	411	263
AC-FT	16340	15250	13600	11990	10710	13500	24570	87590	77410	43530	34710	19170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2001, BY WATER YEAR (WY)

MEAN	404	300	238	212	205	252	611	1838	2495	1280	740	545
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1911 - 2001	
ANNUAL TOTAL	201134		185714			
ANNUAL MEAN	550		509		762	
HIGHEST ANNUAL MEAN					1278	1995
LOWEST ANNUAL MEAN					256	1977
HIGHEST DAILY MEAN	2300	May 25	e1990	May 17	11400	Jun 11 1918
LOWEST DAILY MEAN	e195	Dec 27	e178	Mar 3	80	Dec 27 1962
ANNUAL SEVEN-DAY MINIMUM	199	Dec 25	183	Feb 25	95	Dec 25 1962
MAXIMUM PEAK FLOW			unknown		a11400	Jun 13 1918
MAXIMUM PEAK STAGE			unknown		b6.74	Jul 1 1957
ANNUAL RUNOFF (AC-FT)	398900		368400		551800	
10 PERCENT EXCEEDS	1260		1110		1890	
50 PERCENT EXCEEDS	298		278		392	
90 PERCENT EXCEEDS	235		193		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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	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)
NOV													
09...	0800	249	250	8.2	.2	10.8	2.2	E2	<.001	.030	<.002	--	E.07
JAN													
24...	1030	194	224	8.2	0	11.0	--	E6	.001	.042	.003	--	.12
APR													
27...	0800	785	187	7.9	6.3	8.9	1.8	E52	.002	.050	.003	.120	.46
MAY													
30...	0750	1850	193	8.0	7.4	8.7	1.8	150	.001	.034	.002	.148	.23
JUL													
19...	1030	640	242	8.1	13.8	8.1	.6	--	<.001	.011	.005	.103	.17
AUG													
29...	1415	421	215	8.4	15.5	8.0	.8	E11	<.001	.005	.005	--	E.08

DATE	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...	<.10	.005	<.006	E.004
JAN				
24...	<.10	.006	E.003	<.007
APR				
27...	.12	.092	.007	E.005
MAY				
30...	.15	.027	.009	<.007
JUL				
19...	.11	.018	E.006	<.007
AUG				
29...	E.07	.009	.007	<.007

E Estimated laboratory analysis value.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
12...	1310	284	226	10.7	15...	1130	184	220	.9
DEC									
05...	1300	225	237	.1					

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	29	e21	e19	e19	e20	e29	108	171	40	39	30
2	26	30	e21	e19	e20	e20	e33	126	165	38	35	28
3	25	29	e21	e18	e21	e20	e31	115	156	36	35	28
4	25	30	e20	e19	e21	e20	e35	108	142	36	40	26
5	26	30	e21	e19	e20	e20	e35	105	123	37	32	27
6	25	e27	e20	e19	e22	e21	e33	93	111	34	36	29
7	25	e26	e20	e19	e22	e21	e30	85	108	30	36	29
8	26	e24	e20	e18	e22	e22	e28	87	105	36	33	28
9	27	e26	e21	e18	e21	e22	e27	84	99	44	41	28
10	26	e27	e21	e18	e20	e22	e29	99	91	41	34	24
11	27	e26	e21	e19	e19	e23	e29	115	85	35	37	28
12	27	e25	e21	e18	e21	e23	e29	143	80	35	33	28
13	26	e23	e22	e18	e22	e22	33	160	91	35	32	27
14	26	e24	e21	e18	e21	e23	36	196	104	32	51	29
15	26	e22	e20	e17	e21	e22	35	235	85	34	55	27
16	26	e22	e19	e18	e21	e22	40	295	70	33	49	26
17	25	e23	e19	e18	e21	e23	48	326	60	31	41	28
18	24	e22	e20	e18	e20	e23	57	313	54	30	39	28
19	23	e23	e18	e19	e21	e23	67	319	50	28	35	26
20	23	e23	e17	e19	e21	e24	67	304	49	28	34	25
21	24	e22	e18	e20	e21	e28	54	300	51	28	38	25
22	24	e23	e18	e19	e20	e30	55	260	49	29	35	24
23	28	e23	e18	e19	e20	e30	49	246	46	28	36	25
24	35	e22	e18	e19	e19	e30	50	238	45	35	34	25
25	29	e22	e19	e20	e20	e33	54	225	44	36	31	24
26	27	e22	e18	e19	e20	e32	66	220	41	36	30	24
27	27	e22	e19	e19	e21	e30	76	224	47	36	28	23
28	35	e22	e18	e20	e20	e28	77	218	42	31	28	23
29	36	e21	e19	e20	---	e27	80	206	44	28	26	23
30	31	e22	e19	e18	---	e27	92	183	40	28	27	23
31	31	---	e19	e19	---	e27	---	172	---	40	33	---
TOTAL	838	732	607	580	577	758	1404	5908	2448	1048	1113	788
MEAN	27.0	24.4	19.6	18.7	20.6	24.5	46.8	191	81.6	33.8	35.9	26.3
MAX	36	30	22	20	22	33	92	326	171	44	55	30
MIN	23	21	17	17	19	20	27	84	40	28	26	23
AC-FT	1660	1450	1200	1150	1140	1500	2780	11720	4860	2080	2210	1560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2001, BY WATER YEAR (WY)

MEAN	31.6	28.1	23.5	21.8	22.3	28.3	67.6	201	199	65.0	39.7	29.5
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1917 - 2001	
ANNUAL TOTAL	17595		16801			
ANNUAL MEAN	48.1		46.0		63.2	
HIGHEST ANNUAL MEAN					122	1921
LOWEST ANNUAL MEAN					26.8	1967
HIGHEST DAILY MEAN	273	May 8	326	May 17	838	Jun 18 1995
LOWEST DAILY MEAN	e17	Dec 20	e17	Dec 20	6.0	Nov 16 1920
ANNUAL SEVEN-DAY MINIMUM	e18	Dec 19	e18	Jan 12	8.5	Sep 5 1959
MAXIMUM PEAK FLOW			359	May 17	964	Jun 18 1995
MAXIMUM PEAK STAGE			2.40	May 17	a4.03	Jun 18 1995
ANNUAL RUNOFF (AC-FT)	34900		33320		45800	
10 PERCENT EXCEEDS	116		99		155	
50 PERCENT EXCEEDS	27		27		30	
90 PERCENT EXCEEDS	21		19		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.

383604106312400 QUARTZ CREEK BELOW PITKIN, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°36'04", long 106°31'24", in $SW^1/_4SE^1/_4$ sec.9, T.50 N., R.4 E., Gunnison County, Hydrologic Unit 14020003, 1 mi south of Pitkin on Wuanita Pass Road.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 2000 to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	E COLI, MTEC MF WATER (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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
01...	1600	16	169	8.3	1.4	1.2	9.5	2.0	E6	84.6	25.1	5.33	<.001
JAN													
25...	0910	10	178	7.1	0	--	10.0	--	--	--	--	--	<.001
APR													
26...	0810	18	157	7.9	2.0	4.1	10.0	1.3	E2	75.6	22.2	4.89	.001
MAY													
30...	1130	99	109	7.8	7.0	3.1	8.9	1.2	E3	52.7	16.1	3.05	<.001
JUL													
18...	0840	21	171	8.1	9.2	--	8.3	.8	E4	--	--	--	<.001
AUG													
30...	1600	20	165	8.0	12.0	1.9	7.3	.7	E10	80.1	24.0	4.90	<.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)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
NOV								
01...	.031	.002	E.07	<.10	.007	<.006	<.007	--
JAN								
25...	.082	.002	.10	<.10	.004	E.003	<.007	--
APR								
26...	.029	.002	.16	E.05	.009	<.006	<.007	<.04
MAY								
30...	.019	<.002	.13	E.08	.025	<.006	<.007	<.02
JUL								
18...	.019	.005	.10	<.10	.010	<.006	<.007	.02
AUG								
30...	.016	.011	E.08	E.06	.006	E.003	<.007	<.02

E Estimated laboratory analysis value.

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)
NOV								
01...	<15	<.14	<1.3	30	<1.00	E2.4	<.2	<20
APR								
26...	<15	<.14	E.9	40	<1.00	E2.3	<.2	<20
MAY								
30...	E14	<.10	1.4	30	<1.00	E2.6	<.2	<20
AUG								
30...	<15	E.09	<1.0	70	<1.00	3.6	<.2	<20

E Estimated laboratory analysis value.

DATE	TIME	PHEO-PHYTIN A, PERI-PHYTON (MG/M2) (62359)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2) (70957)
JUL			
18...	0841	.4	1.6

383604106312400 QUARTZ CREEK BELOW PITKIN, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
APR					
26...	0810	18	2.0	6	.28
MAY					
30...	1130	99	7.0	6	1.7
JUL					
18...	0840	21	9.2	2	.14
AUG					
30...	1600	20	12.0	1	.07

09118450 COCHETOPA CREEK BELOW ROCK CREEK, NEAR PARLIN, CO

LOCATION.--Lat 38°20'08", long 106°46'18", in $SW^1/_4NE^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	27	e19	e13	e13	16	e28	101	128	26	55	63
2	25	24	e18	e13	13	16	e32	115	131	27	77	61
3	25	27	e17	e13	11	16	e36	113	135	26	77	60
4	26	27	e18	e14	11	16	e40	95	131	29	84	57
5	28	27	e18	e14	11	16	e43	93	118	27	90	54
6	27	e22	e18	e13	12	17	e40	86	109	25	93	55
7	26	e19	e17	e13	13	17	42	87	111	25	104	51
8	26	e18	e19	e12	13	19	42	94	114	22	97	49
9	30	e20	e19	e13	12	e19	38	99	105	22	165	48
10	29	e21	e18	e15	13	e21	38	102	103	20	108	47
11	28	e20	e17	e15	13	e22	33	112	103	20	97	46
12	26	e18	e16	e15	13	e21	33	119	102	36	84	45
13	26	e18	e15	e16	13	22	31	130	105	44	77	44
14	26	e20	e15	e16	13	21	33	144	109	43	92	48
15	26	e19	e15	e14	13	18	35	147	84	45	99	47
16	26	e17	e15	e14	13	e20	40	157	55	38	84	43
17	26	e18	e14	e13	13	24	48	157	27	32	79	42
18	26	e19	e14	e12	14	22	60	172	30	30	82	44
19	26	e20	e15	e12	14	23	71	170	28	22	75	37
20	26	e21	e15	e12	14	23	60	174	27	27	73	34
21	26	e22	e14	e12	14	e25	46	170	25	31	78	31
22	26	e22	e14	e12	14	e25	47	158	24	30	91	31
23	30	e21	e15	e13	15	e25	40	149	28	28	104	28
24	34	e20	e15	14	15	e25	45	138	31	30	83	28
25	e30	e21	e16	15	15	e25	45	137	34	37	75	25
26	27	e22	e16	13	15	e24	54	142	38	41	71	25
27	e27	e20	e15	16	16	e22	66	145	36	47	66	25
28	31	e18	e14	16	16	e22	77	151	30	37	63	23
29	35	e18	e14	14	---	e21	87	154	28	35	65	18
30	e31	e18	e14	14	---	e22	93	139	26	36	61	18
31	e29	---	e14	e13	---	e24	---	129	---	60	63	---
TOTAL	857	624	493	424	375	649	1423	4079	2155	998	2612	1227
MEAN	27.6	20.8	15.9	13.7	13.4	20.9	47.4	132	71.8	32.2	84.3	40.9
MAX	35	27	19	16	16	25	93	174	135	60	165	63
MIN	25	17	14	12	11	16	28	86	24	20	55	18
AC-FT	1700	1240	978	841	744	1290	2820	8090	4270	1980	5180	2430

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2001, BY WATER YEAR (WY)

MEAN	37.2	30.9	23.2	20.1	20.5	31.8	54.2	89.0	89.4	53.2	67.1	47.7
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1982 - 2001	
ANNUAL TOTAL	11894.5		15916			
ANNUAL MEAN	32.5		43.6		47.1	
HIGHEST ANNUAL MEAN					106	1984
LOWEST ANNUAL MEAN					24.8	1994
HIGHEST DAILY MEAN	122	Apr 29	174	May 20	954	May 23 1984
LOWEST DAILY MEAN	7.9	Jul 26	11	Feb 3	7.9	Jul 26 2000
ANNUAL SEVEN-DAY MINIMUM	12	Jul 25	12	Feb 3	8.9	Feb 7 1982
MAXIMUM PEAK FLOW			242	Aug 9	1120	May 23 1984
MAXIMUM PEAK STAGE			3.13	Aug 9	a4.49	May 23 1984
ANNUAL RUNOFF (AC-FT)	23590		31570		34130	
10 PERCENT EXCEEDS	65		104		94	
50 PERCENT EXCEEDS	25		27		33	
90 PERCENT EXCEEDS	15		14		16	

e Estimated.
a Maximum gage height, 5.64 ft, Mar 25, 1998, backwater from ice.

383126106475600 TOMICHI CREEK BELOW COCHETOPA CREEK NEAR PARLIN, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°31'26", long 106°47'56", in $SW^1/_4NW^1/_4$ sec. 7, T.49 N., R.2 E., Gunnison County, Hydrologic Unit 14020003, 100 ft south of Highway 50, 1 mi downstream of confluence with Cochetopa Creek, and 4 mi northwest of Parlin.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--March to September 1998. November 2000 to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	E COLI, MTEC MF WATER (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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
01...	1330	86	254	8.3	3.3	3.2	10.0	2.3	E10	130	37.0	9.00	<.001
JAN													
24...	1500	40	252	7.8	0	--	11.0	--	E5	--	--	--	.001
APR													
23...	1215	128	222	8.2	7.5	37	9.6	--	E9	94.1	26.3	6.90	.001
MAY													
29...	1500	492	207	8.1	15.0	11	7.5	--	81	89.0	24.2	6.95	<.001
JUL													
18...	1210	84	401	8.2	17.7	--	8.4	--	140	--	--	--	<.001
AUG													
31...	0800	102	229	8.0	--	4.2	--	--	62	101	29.0	6.94	<.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, 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)
NOV								
01...	.008	<.002	--	.17	.12	.055	.031	.027
JAN								
24...	.088	.011	--	.17	E.08	.042	.023	.020
APR								
23...	.006	<.002	--	.53	.18	.176	.032	.026
MAY								
29...	.007	.006	--	--	--	--	--	.027
JUL								
18...	.010	.008	.437	.54	.45	.063	.043	.031
AUG								
31...	<.005	.009	.171	.25	.18	.075	.050	.019

E Estimated laboratory analysis value.

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)
NOV								
01...	<15	<.14	<1.3	100	<1.00	34.6	<.2	<20
APR								
23...	<15	<.14	E.7	110	<1.00	41.6	<.2	E13
MAY								
29...	<15	<.10	1.8	80	<1.00	21.7	<.2	<20
AUG								
31...	<15	<.10	<1.0	90	<1.00	15.9	<.2	<20

E Estimated laboratory analysis value.

DATE	TIME	PHEO-PHYTIN A, PERI-PHYTON (MG/M2) (62359)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2) (70957)
JUL			
18...	1150	1.8	8.1

383126106475600 TOMICHI CREEK BELOW COCHETOPA CREEK NEAR PARLIN, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
01...	1330	86	3.3	5	1.2
APR					
23...	1215	128	7.5	104	36
MAY					
29...	1500	492	15.0	42	56
AUG					
31...	0800	102	--	4	.96

09119000 TOMICHI CREEK AT GUNNISON, CO

LOCATION.--Lat 38°31'18", long 106°56'25", in $NE^{1}/_{4}SW^{1}/_{4}$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	103	e57	e52	e53	e56	174	200	353	61	186	119
2	94	109	e57	e52	e53	e57	198	227	328	59	208	115
3	89	104	e57	e50	e52	e58	212	239	324	58	200	112
4	90	105	e58	e50	e53	e58	221	253	323	53	214	108
5	90	106	e58	e50	e53	e60	227	290	298	51	227	103
6	98	95	e58	e51	e55	e63	205	302	253	51	204	98
7	90	e90	e58	e51	e56	e64	176	260	220	49	220	98
8	92	e86	e58	e50	e57	e64	157	232	217	54	225	94
9	98	e94	e58	e50	e56	e67	146	225	217	52	230	83
10	97	e91	e59	e49	e54	e70	142	226	205	48	264	83
11	97	e87	e60	e51	e54	e76	141	244	200	48	216	84
12	98	e83	e59	e52	e56	e84	133	280	191	48	190	83
13	94	e73	e58	e53	e57	e88	130	317	207	55	167	83
14	91	e70	e57	e53	e57	e94	128	373	264	72	191	85
15	90	e70	e57	e53	e57	e98	129	382	262	88	223	77
16	93	e68	e54	e52	e56	e96	132	451	227	92	220	74
17	91	e68	e56	e52	e56	e101	138	542	186	78	196	74
18	92	e68	e54	e51	e54	100	143	592	158	68	183	74
19	95	e68	e53	e52	e54	105	154	646	112	95	173	76
20	91	e68	e53	e53	e56	114	158	634	68	92	165	73
21	92	e68	e54	e53	e56	121	141	634	57	86	176	70
22	91	e66	e53	e54	e56	139	135	587	53	87	165	71
23	91	e66	e53	e53	e54	168	140	538	50	86	182	72
24	99	e64	e54	e52	e53	211	135	507	51	91	182	67
25	106	e64	e53	e52	e53	252	134	439	63	107	156	66
26	104	e62	e53	e51	e56	267	139	428	69	120	146	67
27	101	e58	e53	e52	e59	274	149	435	75	124	137	67
28	101	e57	e52	e53	e57	228	168	441	74	118	131	61
29	112	e57	e53	e54	---	193	185	447	64	120	128	52
30	111	e57	e52	e53	---	171	196	444	62	122	127	51
31	104	---	e52	e51	---	167	---	375	---	144	121	---
TOTAL	2981	2325	1721	1605	1543	3764	4766	12190	5231	2477	5753	2440
MEAN	96.2	77.5	55.5	51.8	55.1	121	159	393	174	79.9	186	81.3
MAX	112	109	60	54	59	274	227	646	353	144	264	119
MIN	89	57	52	49	52	56	128	200	50	48	121	51
AC-FT	5910	4610	3410	3180	3060	7470	9450	24180	10380	4910	11410	4840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

MEAN	95.5	102	77.1	67.3	69.9	113	241	402	472	195	163	94.2
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1938 - 2001	
ANNUAL TOTAL	44851		46796			
ANNUAL MEAN	123		128		174	
HIGHEST ANNUAL MEAN					478	1984
LOWEST ANNUAL MEAN					60.4	1977
HIGHEST DAILY MEAN	564	May 9	646	May 19	4040	May 26 1984
LOWEST DAILY MEAN	22	Jun 19	48	Jul 10	2.6	Sep 30 1977
ANNUAL SEVEN-DAY MINIMUM	32	Jun 15	50	Jul 6	7.6	May 4 1967
MAXIMUM PEAK FLOW			689	May 19	4620	May 23 1984
MAXIMUM PEAK STAGE			3.17	May 19	5.49	May 23 1984
ANNUAL RUNOFF (AC-FT)	88960		92820		126400	
10 PERCENT EXCEEDS	250		247		384	
50 PERCENT EXCEEDS	94		90		100	
90 PERCENT EXCEEDS	54		53		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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	E COLI, MTEC MF WATER (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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
03...	0830	101	280	8.4	2.6	3.5	11.2	2.5	E17	142	40.5	9.82	<.001
JAN													
24...	1250	48	273	7.8	.5	--	9.9	--	E6	--	--	--	.002
APR													
23...	1350	144	230	8.2	8.6	9.1	9.5	--	E12	99.7	28.1	7.19	<.001
MAY													
29...	1220	436	232	7.9	13.8	14	7.5	--	67	109	30.4	8.11	.001
JUL													
18...	1420	69	385	8.2	21.5	--	8.7	--	E33	--	--	--	<.001
AUG													
31...	1000	123	255	8.2	14.0	3.9	8.1	--	270	117	33.6	7.99	.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, 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)
NOV								
03...	.008	.002	--	.19	E.09	.043	.018	.016
JAN								
24...	.101	.011	--	.19	E.05	.041	.020	.018
APR								
23...	<.005	.002	.175	.35	.18	.073	.031	.026
MAY								
29...	.010	.004	.374	.60	.38	.093	.039	.025
JUL								
18...	.008	.009	.348	.46	.36	.040	.027	.015
AUG								
31...	<.005	.009	.141	.23	.15	.061	.043	.015

E Estimated laboratory analysis value.

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)
NOV								
03...	<15	<.14	<1.3	50	<1.00	32.6	<.2	<20
APR								
23...	<15	<.14	E.8	110	<1.00	54.0	<.2	E12
MAY								
29...	<15	<.10	E.7	80	<1.00	31.8	<.2	<20
AUG								
31...	<15	<.10	E.8	70	<1.00	19.4	<.2	<20

E Estimated laboratory analysis value.

DATE	TIME	PHEO-PHYTIN A, PERI-PHYTON (MG/M2) (62359)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2) (70957)
JUL			
18...	1425	4.9	7.5

09119000 TOMICHI CREEK AT GUNNISON, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
12...	1109	99	287	10.0	15...	1020	101	269	.2
DEC									
06...	0900	60	275	0					

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
03...	0830	101	2.6	9	2.4
APR					
23...	1350	144	8.6	19	7.2
MAY					
29...	1220	436	13.8	38	45
AUG					
31...	1000	123	14.0	2	.66

383103106594200 GUNNISON RIVER AT COUNTY ROAD 32 BELOW GUNNISON, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°31'03", long 106°59'42", in $SW^1/_4SE^1/_4$ 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	E COLI, MTEC MF WATER (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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
09...	0920	304	266	8.3	.4	--	11.1	2.0	E4	--	--	--	.002
JAN													
24...	0830	305	244	7.8	0	--	11.2	--	E8	--	--	--	.001
APR													
27...	0945	882	201	8.0	7.6	14	9.3	1.8	E32	90.9	27.1	5.64	.002
MAY													
31...	0745	2120	208	8.0	9.1	7.6	8.6	1.4	97	102	30.8	6.21	.001
JUL													
19...	1340	712	279	8.2	16.8	4.9	7.9	1.2	--	133	39.3	8.50	<.001
AUG													
29...	1615	590	225	8.5	16.5	4.1	7.7	1.0	33	109	32.7	6.67	<.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, 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)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
NOV									
09...	.047	.003	--	.09	E.06	.018	.011	.012	<.02
JAN									
24...	.104	.009	--	.14	<.10	.017	.010	.009	<.02
APR									
27...	.055	.002	.182	.49	.18	.099	.018	.012	.06
MAY									
31...	.030	<.002	--	.28	.18	.050	.015	.009	<.02
JUL									
19...	.015	.008	.202	.36	.21	.048	.013	E.006	<.02
AUG									
29...	.024	.007	.105	.16	.11	.033	.025	.008	<.02

E Estimated laboratory analysis value.

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)	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)
APR									
27...	E10	<.14	E1.1	60	<1.00	20.6	E.3	<.2	E16
MAY									
31...	<15	<.10	E.6	40	<1.00	18.5	<.3	<.2	E13
JUL									
19...	<15	<.10	<1.0	20	<1.00	18.3	<.3	<.2	<20
AUG									
29...	<15	<.10	E.7	40	<1.00	10	<.3	<.2	<20

E Estimated laboratory analysis value.

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	102	e43	e36	e38	e33	e71	399	1150	504	227	146
2	96	97	e42	e36	e38	e34	e73	476	1190	472	292	139
3	94	97	e42	e36	e36	e34	e75	472	1190	456	287	140
4	92	94	e41	e35	e37	e35	e82	407	1080	445	312	137
5	99	98	e41	e35	e38	e38	e84	334	901	424	288	130
6	99	91	e41	e35	e38	e37	e78	289	873	413	283	125
7	96	81	e42	e36	e39	e40	e75	262	994	400	312	114
8	96	95	e41	e36	e41	e40	e71	271	955	360	339	110
9	101	106	e43	e35	e40	e45	e65	334	977	362	324	109
10	100	95	e46	e34	e38	e45	e70	381	1080	361	306	109
11	98	92	e44	e35	e38	e43	e69	441	1050	342	287	105
12	106	84	e44	e36	e38	e42	e67	573	992	328	264	97
13	109	74	e44	e38	e40	e41	65	719	886	348	248	94
14	105	68	e44	e38	e39	e42	67	910	706	326	255	106
15	103	78	e41	e38	e39	e40	67	989	573	329	262	96
16	98	74	e37	e37	e38	e42	73	1070	524	300	245	92
17	94	62	e43	e36	e38	e44	89	1090	571	275	225	91
18	94	64	e41	e35	e38	e42	116	988	628	254	211	103
19	93	e64	e38	e38	e37	e41	145	1010	669	240	202	98
20	91	e52	e38	e38	e39	e49	150	941	678	233	193	96
21	92	e49	e39	e40	e38	e54	141	979	669	230	192	94
22	92	e50	e38	e41	e38	e61	136	842	684	223	202	92
23	98	e48	e38	e41	e36	e64	124	837	655	209	216	92
24	119	e45	e37	e40	e34	e65	121	935	633	219	203	90
25	112	e45	e39	e37	e34	e74	127	1040	594	234	190	88
26	104	e45	e36	e38	e35	e82	154	1110	531	241	181	85
27	102	e46	e36	e38	e36	e74	208	1150	554	236	167	83
28	108	e47	e35	e40	e36	e70	272	1260	523	223	158	86
29	114	e45	e35	e39	---	e67	315	1150	522	208	163	87
30	105	e44	e36	e38	---	e66	341	1040	538	198	156	84
31	112	---	e36	e36	---	e66	---	1070	---	215	156	---
TOTAL	3124	2132	1241	1151	1054	1550	3591	23769	23570	9608	7346	3118
MEAN	101	71.1	40.0	37.1	37.6	50.0	120	767	786	310	237	104
MAX	119	106	46	41	41	82	341	1260	1190	504	339	146
MIN	91	44	35	34	34	33	65	262	522	198	156	83
AC-FT	6200	4230	2460	2280	2090	3070	7120	47150	46750	19060	14570	6180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

MEAN	96.0	68.9	52.4	46.5	44.1	56.3	132	542	984	484	210	131
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1938 - 2001	
ANNUAL TOTAL	75211		81254			
ANNUAL MEAN	205		223		238	
HIGHEST ANNUAL MEAN					413	1984
LOWEST ANNUAL MEAN					88.7	1977
HIGHEST DAILY MEAN	1470	May 30	1260	May 28	2410	Jun 29 1957
LOWEST DAILY MEAN	e35	Dec 28	e33	Mar 1	22	Jan 21 1976
ANNUAL SEVEN-DAY MINIMUM	36	Dec 25	e35	Feb 24	23	Jan 19 1976
MAXIMUM PEAK FLOW			1370	May 28	2720	Jul 10 1983
MAXIMUM PEAK STAGE			3.71	May 28	a4.18	Jul 10 1983
ANNUAL RUNOFF (AC-FT)	149200		161200		172200	
10 PERCENT EXCEEDS	512		669		690	
50 PERCENT EXCEEDS	100		95		86	
90 PERCENT EXCEEDS	46		37		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.

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, 13,270 acre-ft, May 27 and 28, mean elevation, 8,926.51 ft; minimum daily mean contents, 2,800 acre-ft, Sept. 30, mean elevation, 8,873.98 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	8877.11	3,170	
Oct. 31	8874.97	2,920	-250
Nov. 30	8876.31	3,080	+160
Dec. 31	8878.22	3,320	+240
CAL YR 2000	-	-	-
Jan. 31	8879.35	3,440	+120
Feb. 28	8880.05	3,530	+190
Mar. 31	8881.61	3,770	+240
Apr. 30	8894.44	5,800	+2,030
May 31	8926.41	13,240	+7,440
June 30	8925.16	12,880	-360
July 31	8912.96	9,640	-3,240
Aug. 31	8898.74	6,590	-3,050
Sept. 30	8873.80	2,780	-3,810
WATER YEAR 2001	-	-	-290

09126000 CIMARRON RIVER NEAR CIMARRON, CO

LOCATION.--Lat 38°15'26", long 107°32'46", in NW$^1/_4$NE$^1/_4$ 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 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	21	19	e19	e22	e21	e30	44	440	131	109	92
2	36	21	e19	e19	e22	e21	e30	45	453	131	110	90
3	36	21	19	e19	e22	e21	e31	39	412	129	108	90
4	36	21	e19	e19	e23	e21	e31	e33	350	129	110	90
5	36	21	19	e19	e23	e21	e31	36	292	122	109	92
6	35	20	19	e19	e23	e22	e30	37	303	116	109	93
7	35	20	19	e19	e23	e23	e29	e36	348	117	110	92
8	35	20	20	e19	e23	e24	e28	37	326	120	109	91
9	35	20	20	e19	e23	e24	e26	37	326	135	107	92
10	35	20	20	e19	e23	e23	e25	42	343	148	108	93
11	35	21	e19	e19	e23	e23	e23	49	324	149	107	95
12	35	20	19	e19	e23	e23	e24	57	311	147	106	95
13	34	e19	19	e19	e23	e23	e24	70	277	144	110	95
14	34	e19	19	e19	e23	e23	e23	81	222	141	119	94
15	34	20	19	e19	e23	e23	e26	103	185	141	117	94
16	34	e19	e19	e19	e23	e24	e29	117	177	133	116	95
17	34	e19	e19	e19	e22	e23	31	119	174	120	115	95
18	34	e19	e19	e20	e22	e23	34	120	171	120	114	97
19	34	e19	e19	e21	e22	e25	40	122	178	119	115	96
20	34	e19	19	e21	e22	e29	39	123	197	114	116	96
21	34	e19	e19	e21	e22	e29	36	120	199	106	117	97
22	34	20	19	e21	e22	e29	32	120	201	104	118	97
23	34	20	19	e22	e21	e30	28	240	194	101	e130	96
24	34	20	e19	e22	e21	e30	e25	386	181	98	e137	65
25	34	19	19	e22	e22	e30	e26	434	175	101	e134	36
26	34	19	e19	e22	e22	e29	e35	480	161	101	121	38
27	34	20	e19	e22	e22	e28	e38	494	160	103	112	38
28	35	20	19	e23	e21	e26	44	488	150	102	93	38
29	34	19	e19	e23	---	e26	49	446	132	102	93	38
30	34	19	e19	e22	---	e27	46	413	132	106	91	38
31	28	---	e19	e22	---	e27	---	414	---	112	92	---
TOTAL	1067	594	592	627	626	771	943	5382	7494	3742	3462	2448
MEAN	34.4	19.8	19.1	20.2	22.4	24.9	31.4	174	250	121	112	81.6
MAX	37	21	20	23	23	30	49	494	453	149	137	97
MIN	28	19	19	19	21	21	23	33	132	98	91	36
AC-FT	2120	1180	1170	1240	1240	1530	1870	10680	14860	7420	6870	4860

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2001, BY WATER YEAR (WY)

MEAN	47.4	22.7	16.5	15.0	15.2	16.6	24.2	175	432	218	118	75.6
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1971 - 2001	
ANNUAL TOTAL	31398.8		27748			
ANNUAL MEAN	85.8		76.0		a98.2	
HIGHEST ANNUAL MEAN					180	1984
LOWEST ANNUAL MEAN					40.2	1977
HIGHEST DAILY MEAN	712	May 30	494	May 27	1330	Jun 16 1995
LOWEST DAILY MEAN	9.8	Jan 13	e19	Nov 13	b,c.00	Dec 24 1970
ANNUAL SEVEN-DAY MINIMUM	10	Jan 11	19	Nov 29	.00	Dec 24 1970
MAXIMUM PEAK FLOW			549	May 27	d1620	Jun 5 1997
MAXIMUM PEAK STAGE			2.92	May 27	f3.91	Jun 5 1997
ANNUAL RUNOFF (AC-FT)	62280		55040		71160	
10 PERCENT EXCEEDS	226		154		268	
50 PERCENT EXCEEDS	28		34		30	
90 PERCENT EXCEEDS	12		19		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$^{1}/_{4}$NW$^{1}/_{4}$ 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}.

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. Water-quality data available, December 1994 to September 2000. Daily record for water temperature available, October 1996 to September 1998.

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. 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.

COOPERATION.--Diversions, in acre-feet, through Gunnison Tunnel; provided by Colorado Division of Water Resources.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	561	623	741	722	601	567	612	641	630	626	589	614
2	608	624	740	723	598	617	607	645	636	623	588	616
3	594	629	741	722	599	617	605	638	630	625	613	614
4	584	632	743	722	603	616	619	637	634	660	626	613
5	569	628	692	669	603	635	606	633	630	682	622	617
6	560	620	703	618	628	610	615	639	635	678	596	617
7	551	616	760	609	583	658	609	637	637	674	591	615
8	566	617	755	561	581	796	616	635	640	678	592	611
9	578	617	754	547	606	800	617	634	638	674	588	606
10	575	616	755	606	607	798	616	635	640	670	593	603
11	562	621	751	603	605	795	522	634	642	650	599	605
12	564	622	749	604	555	795	601	635	638	614	601	609
13	559	654	748	606	543	744	600	636	637	607	600	608
14	556	715	750	607	552	768	600	833	634	609	604	609
15	557	667	749	605	611	797	595	1260	635	609	606	611
16	564	668	747	607	611	798	597	1810	635	614	606	612
17	568	719	747	604	610	797	600	2010	636	608	605	612
18	570	717	746	601	610	794	614	1830	637	608	606	611
19	576	721	704	601	611	730	619	1560	641	609	609	612
20	577	718	743	601	611	704	627	1290	640	609	609	612
21	575	720	744	597	612	704	622	1020	643	608	610	600
22	587	720	745	596	613	715	620	777	640	608	612	636
23	600	725	739	598	614	647	623	636	642	607	614	631
24	598	725	739	597	613	621	653	631	643	608	616	627
25	596	726	740	597	611	619	670	629	630	604	617	626
26	596	724	737	597	611	616	651	628	619	611	615	629
27	599	746	733	600	612	615	640	626	623	614	614	634
28	599	753	731	582	565	608	641	630	626	614	613	635
29	595	737	732	533	---	607	635	629	625	615	615	636
30	599	737	728	600	---	608	641	627	627	617	616	634
31	586	---	723	601	---	599	---	629	---	609	616	---
TOTAL	17929	20357	22909	19036	16779	21395	18493	26334	19043	19442	18801	18515
MEAN	578	679	739	614	599	690	616	849	635	627	606	617
MAX	608	753	760	723	628	800	670	2010	643	682	626	636
MIN	551	616	692	533	543	567	522	626	619	604	588	600
AC-FT	35560	40380	45440	37760	33280	42440	36680	52230	37770	38560	37290	36720
a	39920	273	758	436	503	10790	48000	59140	57660	60640	60620	55640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2001, BY WATER YEAR (WY)

MEAN	570	766	808	789	777	873	1291	3141	3970	1532	690	509
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1911 - 2001	
ANNUAL TOTAL	314312		239033			
ANNUAL MEAN	859		655		1310	
HIGHEST ANNUAL MEAN					2936	1984
LOWEST ANNUAL MEAN					261	1967
HIGHEST DAILY MEAN	3150	May 21	2010	May 17	18600	Jun 15 1921
LOWEST DAILY MEAN	546	Sep 25	522	Apr 11	b.00	Sep 11 1915
ANNUAL SEVEN-DAY MINIMUM	556	Sep 24	561	Oct 11	.30	Oct 26 1950
MAXIMUM PEAK FLOW			2090	May 16	c19000	Jun 15 1921
MAXIMUM PEAK STAGE			4.79	May 16	15.80	Jun 15 1921
ANNUAL RUNOFF (AC-FT)	623400		474100		949100	
10 PERCENT EXCEEDS	1150		743		3110	
50 PERCENT EXCEEDS	804		617		620	
90 PERCENT EXCEEDS	599		590		194	

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.

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, 16,870 acre-ft, May 29 to June 2, elevation, 6,448.01 ft; minimum daily mean contents, 784 acre-ft, Oct. 2, mean elevation, 6,373.18 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	6373.34	795	
Oct. 31	6382.71	1,580	+785
Nov. 30	6386.21	1,980	+400
Dec. 31	6390.83	2,620	+640
CAL YR 2000	-	-	-7,526
Jan. 31	6393.77	3,070	+450
Feb. 28	6396.86	3,580	+510
Mar. 31	6405.83	5,240	+1,660
Apr. 30	6417.98	8,050	+2,810
May 31	6448.01	16,870	+8,820
June 30	6447.79	16,800	-70
July 31	6434.81	12,710	-4,090
Aug. 31	6417.27	7,870	-4,840
Sept. 30	6374.09	846	-7,024
WATER YEAR 2001	-	-	+51

09132500 NORTH FORK GUNNISON RIVER NEAR SOMERSET, CO

LOCATION.--Lat 38°55'33", long 107°26'01", in $SE^1/_4SW^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	80	e55	e52	e51	e52	e110	1690	e1100	e240	243	218
2	87	78	e54	e54	e46	e52	e120	1820	e1200	e230	229	213
3	77	77	e54	e52	e44	e50	e140	1680	e1000	e230	219	211
4	75	77	e58	e52	e45	e54	e160	1440	e700	e230	228	220
5	79	81	e60	e48	e47	e50	e180	e1200	e520	e235	216	216
6	76	77	e50	e47	e49	e54	188	e1200	e560	e240	267	214
7	74	72	e54	e46	e50	e60	161	e1000	e560	e250	228	215
8	72	77	e56	e50	e47	e62	148	e940	e560	e265	284	223
9	72	80	e52	e48	e47	e66	133	e920	e550	e250	286	227
10	72	79	e52	e50	e50	e68	141	e960	e540	e240	229	221
11	75	79	e54	e48	e48	e64	142	e1010	e520	e230	213	212
12	80	77	e58	e46	e47	e60	135	e1200	e460	e230	206	210
13	79	78	e54	e46	e47	e58	132	e1300	e430	e240	215	208
14	78	e63	e50	e48	e46	e52	144	e1500	e390	e270	291	217
15	78	e66	e44	e56	e44	e56	138	e1600	e350	e250	291	209
16	77	e71	e46	e62	e46	e56	175	e1500	e290	e220	208	216
17	77	e67	e52	e56	e50	e52	250	e1600	e295	e200	200	241
18	77	e66	e58	e50	e52	e50	368	e1500	e310	e180	206	248
19	76	e64	e52	e48	e48	e60	522	e1600	e330	e175	207	237
20	76	e64	e63	e57	e49	e78	767	e1700	e340	e175	206	228
21	76	e66	e60	e50	e48	e88	804	e1800	e340	e180	258	219
22	76	e68	e56	e46	e49	e100	738	e1700	e330	e190	257	213
23	77	e68	e52	e47	e52	e100	656	e1400	e320	e210	237	133
24	83	e66	e52	e44	e48	e110	627	e1500	e300	e230	206	68
25	81	e60	e46	e43	e49	e110	568	e1500	e270	e240	214	65
26	77	e64	e44	e42	e52	e103	643	e1400	e230	242	218	64
27	76	e60	e47	e43	e52	e100	1020	e1300	e220	231	209	60
28	77	e63	e52	e45	e52	e93	1290	e1100	e250	213	218	56
29	84	e62	e53	e45	---	e88	1420	e1100	e250	213	228	56
30	80	e60	e51	e47	---	e94	1540	e1200	e240	221	226	54
31	79	---	e50	e49	---	e100	---	e1150	---	253	224	---
TOTAL	2418	2110	1639	1517	1355	2240	13560	42510	13755	7003	7167	5392
MEAN	78.0	70.3	52.9	48.9	48.4	72.3	452	1371	458	226	231	180
MAX	95	81	63	62	52	110	1540	1820	1200	270	291	248
MIN	72	60	44	42	44	50	110	920	220	175	200	54
AC-FT	4800	4190	3250	3010	2690	4440	26900	84320	27280	13890	14220	10700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2001, BY WATER YEAR (WY)

MEAN	121	94.0	76.6	65.1	70.5	154	724	1927	1473	452	201	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1934 - 2001	
ANNUAL TOTAL	115349		100666			
ANNUAL MEAN	315		276		461	
HIGHEST ANNUAL MEAN					829	1984
LOWEST ANNUAL MEAN					114	1977
HIGHEST DAILY MEAN	2130	May 8	1820	May 2	7080	May 24 1984
LOWEST DAILY MEAN	e36	Jan 30	e42	Jan 26	17	Nov 10 1950
ANNUAL SEVEN-DAY MINIMUM	45	Jan 28	44	Jan 23	25	Feb 17 1978
MAXIMUM PEAK FLOW			a2000	May 1	9220	May 24 1984
MAXIMUM PEAK STAGE			a4.25	May 1	b8.20	May 24 1984
ANNUAL RUNOFF (AC-FT)	228800		199700		333700	
10 PERCENT EXCEEDS	1020		948		1500	
50 PERCENT EXCEEDS	104		100		136	
90 PERCENT EXCEEDS	51		48		53	

e Estimated.
a Maximum recorded, may have been higher during period of no gage-height record, May 5 to Jul 25.
b 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	2.5	e3.0	e2.6	e2.4	2.4	4.3	18	41	21	10	5.4
2	4.2	2.3	e3.1	e2.4	2.4	2.4	5.2	19	41	20	4.0	4.3
3	4.0	2.2	e3.3	e2.5	2.4	2.3	5.3	19	39	21	3.9	3.6
4	4.1	2.1	e3.9	e2.6	2.4	2.5	5.8	19	35	24	5.8	4.0
5	3.9	2.8	e4.1	e2.7	2.5	2.5	5.9	21	32	23	5.7	3.7
6	3.9	2.0	e4.2	e2.6	e2.5	3.0	5.1	20	27	22	8.2	3.5
7	3.7	1.5	e3.3	e2.3	e2.6	2.9	4.5	20	21	22	6.1	3.8
8	3.6	e2.2	3.3	e2.5	e2.5	3.1	4.1	19	21	23	8.3	3.9
9	3.2	2.5	3.5	e2.7	e2.3	3.2	3.8	20	21	22	11	4.2
10	3.2	2.3	3.4	e2.7	e2.4	3.1	4.3	22	21	15	10	4.0
11	2.5	2.4	3.2	e2.7	2.5	3.1	4.3	24	23	20	9.7	3.3
12	2.4	2.3	3.5	e2.8	2.6	2.7	4.3	26	23	23	10	3.2
13	2.2	e2.5	3.2	e2.7	2.7	2.8	4.2	30	23	23	9.9	3.3
14	2.2	e2.7	3.2	2.7	2.8	2.5	4.4	37	20	22	14	3.5
15	2.2	2.8	3.2	e2.4	2.5	2.4	4.2	41	19	22	12	3.1
16	2.0	e2.8	e2.8	e2.2	e2.4	2.1	5.4	44	21	21	11	2.5
17	2.1	e3.0	e2.9	e2.4	e2.4	2.4	7.4	47	21	20	11	3.2
18	2.1	e3.3	e2.8	e2.2	e2.5	2.1	9.2	47	21	20	9.1	3.0
19	2.0	e3.7	e2.2	2.4	e2.6	2.1	12	47	22	20	8.5	2.6
20	2.0	e3.4	e2.5	2.4	2.6	2.7	13	46	28	19	7.9	2.6
21	2.0	e3.3	e3.0	2.3	2.8	3.7	11	43	28	19	9.4	2.6
22	2.1	3.0	2.9	2.4	2.7	4.3	11	37	27	19	8.6	2.5
23	2.1	2.9	2.9	2.4	2.6	4.5	8.2	34	26	20	8.1	2.3
24	3.3	e2.9	e2.9	2.4	2.8	4.4	7.5	34	25	33	7.2	2.4
25	2.6	3.0	2.9	2.5	2.4	4.9	8.2	35	25	28	6.2	2.1
26	2.2	e2.9	e2.7	2.5	e2.4	4.8	11	34	25	27	5.9	2.1
27	2.2	3.0	e2.2	2.5	2.5	4.6	13	35	24	26	5.7	2.1
28	2.5	3.1	e2.3	2.5	2.4	3.8	14	35	22	25	7.6	2.1
29	2.5	e3.2	e2.5	2.5	---	3.4	16	35	21	23	7.6	4.7
30	2.2	3.2	e2.6	2.5	---	3.4	17	38	21	22	8.0	8.3
31	2.5	---	e2.8	e2.3	---	3.8	---	40	---	21	7.7	---
TOTAL	86.1	81.8	94.3	77.3	70.6	97.9	233.6	986	764	686	258.1	101.9
MEAN	2.78	2.73	3.04	2.49	2.52	3.16	7.79	31.8	25.5	22.1	8.33	3.40
MAX	4.4	3.7	4.2	2.8	2.8	4.9	17	47	41	33	14	8.3
MIN	2.0	1.5	2.2	2.2	2.3	2.1	3.8	18	19	15	3.9	2.1
AC-FT	171	162	187	153	140	194	463	1960	1520	1360	512	202

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2001, BY WATER YEAR (WY)

MEAN	5.89	5.17	4.29	3.51	3.92	7.26	27.3	91.7	72.1	28.5	15.4	8.07
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	3.40
(WY)	2000	2000	2000	2000	2000	2000	1990	1990	1990	1939	1990	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1937 - 2001	
ANNUAL TOTAL	3626.3		3537.6			
ANNUAL MEAN	9.91		9.69		22.8	
HIGHEST ANNUAL MEAN					46.9	1993
LOWEST ANNUAL MEAN					7.97	1990
HIGHEST DAILY MEAN	48	May 24	47	May 17	340	May 28 1993
LOWEST DAILY MEAN	e1.4	Jan 30	1.5	Nov 7	1.0	Nov 14 1936
ANNUAL SEVEN-DAY MINIMUM	1.6	Jan 25	2.0	Oct 16	a1.4	Feb 17 1999
MAXIMUM PEAK FLOW			48	May 18	359	May 28 1993
MAXIMUM PEAK STAGE			b1.31	May 18	c3.24	May 28 1993
ANNUAL RUNOFF (AC-FT)	7190		7020		16540	
10 PERCENT EXCEEDS	26		25		65	
50 PERCENT EXCEEDS	4.1		3.7		7.0	
90 PERCENT EXCEEDS	1.8		2.3		2.8	

e Estimated.
a Also occurred Jan 16, 1990.
b Maximum gage height, 1.56 ft, Dec 19, backwater from ice.
c 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 2000 to current year.

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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	99	69	58	e52	60	136	1990	1060	52	43	11
2	46	92	66	62	e54	59	189	2240	1090	33	20	10
3	18	89	63	66	e52	58	228	1990	1020	17	11	8.1
4	13	88	61	65	e54	59	273	1510	788	12	12	8.6
5	21	103	64	61	55	62	292	1330	567	14	13	8.9
6	23	91	71	55	58	63	253	1270	498	11	43	9.0
7	17	84	56	55	62	65	216	1270	570	8.2	24	11
8	13	85	60	53	64	73	191	1030	638	8.2	29	9.9
9	11	112	65	61	61	90	162	819	610	13	123	12
10	11	105	61	58	58	99	167	889	608	20	55	13
11	12	110	58	e54	e58	102	163	890	513	16	22	13
12	24	99	59	58	e59	86	153	1180	446	17	21	11
13	23	63	70	58	59	78	142	1380	427	7.3	13	10
14	21	71	61	55	61	79	164	1800	342	54	74	12
15	29	97	60	e52	59	68	158	1820	251	65	146	10
16	40	96	50	e54	54	72	195	1890	198	50	33	8.3
17	42	83	43	e50	53	75	260	1960	187	11	13	23
18	40	80	e41	e49	59	68	406	1820	205	20	14	38
19	36	87	e40	e52	68	66	619	2260	212	14	11	29
20	33	85	e45	e50	59	77	907	2260	215	14	12	24
21	32	88	e50	e50	64	101	820	2110	198	13	42	19
22	31	91	e47	e54	62	154	662	1570	188	9.6	95	22
23	31	86	e52	57	65	174	523	1480	157	10	54	21
24	46	75	e50	60	63	170	464	1600	146	7.5	20	20
25	52	84	e52	55	61	177	492	1690	146	15	14	18
26	44	75	52	55	54	205	536	1530	122	18	17	15
27	47	83	48	53	62	189	1060	1080	144	24	13	15
28	69	81	55	53	58	164	1540	1430	111	11	10	10
29	100	74	64	e50	---	143	1680	1310	83	7.8	13	9.0
30	92	82	63	e48	---	127	1780	1070	70	9.0	11	13
31	97	---	62	e50	---	120	---	1070	---	39	11	---
TOTAL	1149	2638	1758	1711	1648	3183	14831	47538	11810	620.6	1032	441.8
MEAN	37.1	87.9	56.7	55.2	58.9	103	494	1533	394	20.0	33.3	14.7
MAX	100	112	71	66	68	205	1780	2260	1090	65	146	38
MIN	11	63	40	48	52	58	136	819	70	7.3	10	8.1
AC-FT	2280	5230	3490	3390	3270	6310	29420	94290	23430	1230	2050	876

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	37.1	87.9	56.7	55.2	58.9	103	768	1463	371	21.9	22.2	14.0
MAX	37.1	87.9	56.7	55.2	58.9	103	1042	1533	394	23.7	33.3	14.7
(WY)	2001	2001	2001	2001	2001	2001	2000	2001	2001	2000	2001	2001
MIN	37.1	87.9	56.7	55.2	58.9	103	494	1392	347	20.0	11.2	13.3
(WY)	2001	2001	2001	2001	2001	2001	2001	2000	2000	2001	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 2000 - 2001	
ANNUAL TOTAL			88360.4			
ANNUAL MEAN			242		242	
HIGHEST ANNUAL MEAN					242	2001
LOWEST ANNUAL MEAN					242	2001
HIGHEST DAILY MEAN	2700	May 8	2260	May 19	2700	May 8 2000
LOWEST DAILY MEAN	4.5	Sep 15	7.3	Jul 13	4.5	Sep 15 2000
ANNUAL SEVEN-DAY MINIMUM	6.0	Sep 13	9.4	Sep 2	6.0	Sep 13 2000
MAXIMUM PEAK FLOW			2630	May 2	2980	May 6 2000
MAXIMUM PEAK STAGE			3.90	May 2	4.10	May 6 2000
ANNUAL RUNOFF (AC-FT)			175300		175400	
10 PERCENT EXCEEDS	1230		897		1210	
50 PERCENT EXCEEDS	64		61		62	
90 PERCENT EXCEEDS	8.1		12		9.6	

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 diversions for 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, 30 ft^3/s, July 7, and 8, 2001.

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 during period of operation, 337 ft^3/s, Aug. 15, gage height, 9.00 ft; minimum daily, 30 ft^3/s, July 7, and 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	---	---	---	---	---	---	---	---	88	97	80
2	111	---	---	---	---	---	---	---	---	59	80	74
3	91	---	---	---	---	---	---	---	---	44	64	68
4	80	---	---	---	---	---	---	---	---	38	60	61
5	83	---	---	---	---	---	---	---	---	40	61	65
6	87	---	---	---	---	---	---	---	---	34	98	64
7	81	---	---	---	---	---	---	---	---	30	93	68
8	81	---	---	---	---	---	---	---	---	30	79	71
9	78	---	---	---	---	---	---	---	---	31	179	73
10	76	---	---	---	---	---	---	---	---	50	154	79
11	78	---	---	---	---	---	---	---	---	46	91	77
12	85	---	---	---	---	---	---	---	---	51	80	73
13	91	---	---	---	---	---	---	---	---	38	67	74
14	88	---	---	---	---	---	---	---	---	98	130	76
15	93	---	---	---	---	---	---	---	---	130	252	77
16	105	---	---	---	---	---	---	---	---	132	123	66
17	109	---	---	---	---	---	---	---	---	59	84	79
18	107	---	---	---	---	---	---	---	---	55	78	105
19	105	---	---	---	---	---	---	---	---	60	73	103
20	101	---	---	---	---	---	---	---	---	55	68	97
21	101	---	---	---	---	---	---	---	---	54	107	88
22	98	---	---	---	---	---	---	---	---	45	218	88
23	101	---	---	---	---	---	---	---	---	37	159	90
24	117	---	---	---	---	---	---	---	---	35	112	84
25	135	---	---	---	---	---	---	---	---	51	91	82
26	119	---	---	---	---	---	---	---	---	63	91	74
27	115	---	---	---	---	---	---	---	---	75	85	74
28	133	---	---	---	---	---	---	---	---	65	71	71
29	150	---	---	---	---	---	---	---	---	54	75	66
30	142	---	---	---	---	---	---	---	---	50	76	66
31	136	---	---	---	---	---	---	---	---	81	76	---
TOTAL	3188	---	---	---	---	---	---	---	---	1778	3172	2313
MEAN	103	---	---	---	---	---	---	---	---	57.4	102	77.1
MAX	150	---	---	---	---	---	---	---	---	132	252	105
MIN	76	---	---	---	---	---	---	---	---	30	60	61
AC-FT	6320	---	---	---	---	---	---	---	---	3530	6290	4590

09143000 SURFACE CREEK NEAR CEDAREDGE, CO

LOCATION.--Lat 38°59'05", long 107°51'13", in NW$^1/_4$NW$^1/_4$ 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 current year (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, 222 ft^3/s, May 14, gage height, 2.52 ft; minimum daily, 2.7 ft^3/s, Apr. 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	---	---	---	---	---	e5.4	99	106	49	26	32
2	13	---	---	---	---	---	e6.8	99	101	48	27	33
3	12	---	---	---	---	---	e5.9	68	96	43	34	37
4	11	---	---	---	---	---	e6.8	48	73	36	34	36
5	13	---	---	---	---	---	e5.7	45	71	36	32	38
6	12	---	---	---	---	---	e4.1	51	70	36	28	37
7	11	---	---	---	---	---	e3.2	56	68	35	28	35
8	11	---	---	---	---	---	e2.7	76	63	35	30	33
9	11	---	---	---	---	---	e3.4	96	62	60	28	33
10	10	---	---	---	---	---	e4.9	106	60	59	24	31
11	9.4	---	---	---	---	---	e4.1	111	58	58	23	31
12	9.7	---	---	---	---	---	e3.6	109	57	56	23	22
13	8.9	---	---	---	---	---	e3.3	103	57	53	24	22
14	8.9	---	---	---	---	---	e4.1	145	57	54	25	32
15	8.8	---	---	---	---	---	e5.8	108	71	56	27	31
16	7.9	---	---	---	---	---	e12	96	67	32	27	31
17	7.8	---	---	---	---	---	20	98	64	31	38	20
18	9.1	---	---	---	---	---	30	108	43	25	38	20
19	9.1	---	---	---	---	---	44	105	43	24	37	19
20	8.9	---	---	---	---	---	40	100	49	22	39	19
21	8.9	---	---	---	---	---	28	91	47	22	40	16
22	8.8	---	---	---	---	---	20	81	54	21	52	16
23	8.1	---	---	---	---	---	17	79	51	24	47	17
24	8.8	---	---	---	---	---	21	76	49	24	23	18
25	23	---	---	---	---	---	44	74	50	28	19	19
26	22	---	---	---	---	---	67	73	52	29	17	22
27	9.8	---	---	---	---	---	81	72	64	25	22	21
28	10	---	---	---	---	---	91	72	61	24	23	18
29	10	---	---	---	---	---	82	76	51	24	30	18
30	12	---	---	---	---	---	86	91	49	40	30	18
31	11	---	---	---	---	---	---	89	---	41	33	---
TOTAL	338.9	---	---	---	---	---	752.8	2701	1864	1150	928	775
MEAN	10.9	---	---	---	---	---	25.1	87.1	62.1	37.1	29.9	25.8
MAX	23	---	---	---	---	---	91	145	106	60	52	38
MIN	7.8	---	---	---	---	---	2.7	45	43	21	17	16
AC-FT	672	---	---	---	---	---	1490	5360	3700	2280	1840	1540

e Estimated.

09143500 SURFACE CREEK AT CEDAREDGE, CO

LOCATION.--Lat 38°54'06", long 107°55'14", in $SW^1/_4SE^1/_4$ 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 current year (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.--No estimated daily discharges. Records good. 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, 202 ft^3/s, May 14, gage height, 2.10 ft; minimum daily, 2.8 ft^3/s, July 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	---	---	---	---	---	7.4	82	60	22	11	15
2	7.8	---	---	---	---	---	9.5	84	54	27	12	15
3	7.4	---	---	---	---	---	8.1	68	51	24	19	14
4	7.4	---	---	---	---	---	9.2	54	45	20	17	12
5	9.4	---	---	---	---	---	9.8	51	46	21	18	10
6	9.4	---	---	---	---	---	6.2	56	45	17	14	9.2
7	8.2	---	---	---	---	---	4.5	58	43	14	14	11
8	7.8	---	---	---	---	---	3.8	68	39	13	17	11
9	7.2	---	---	---	---	---	4.1	74	37	20	17	11
10	7.0	---	---	---	---	---	7.0	75	34	17	13	12
11	6.2	---	---	---	---	---	6.4	73	32	26	14	12
12	6.0	---	---	---	---	---	5.3	69	31	27	13	11
13	6.1	---	---	---	---	---	4.6	69	30	27	11	12
14	6.2	---	---	---	---	---	5.5	100	30	29	12	10
15	6.1	---	---	---	---	---	7.0	65	30	32	13	8.0
16	5.7	---	---	---	---	---	13	62	25	16	11	6.6
17	5.3	---	---	---	---	---	25	76	24	12	19	13
18	4.7	---	---	---	---	---	37	92	24	7.5	19	15
19	4.6	---	---	---	---	---	52	83	26	6.0	18	15
20	4.6	---	---	---	---	---	51	77	28	4.5	19	15
21	4.7	---	---	---	---	---	34	67	25	3.3	20	13
22	5.0	---	---	---	---	---	25	60	28	2.8	16	12
23	4.9	---	---	---	---	---	16	59	27	3.2	11	12
24	6.2	---	---	---	---	---	18	58	26	3.6	12	13
25	8.2	---	---	---	---	---	43	59	25	5.3	11	12
26	5.7	---	---	---	---	---	69	58	25	6.9	8.3	13
27	5.2	---	---	---	---	---	74	56	33	4.7	11	12
28	8.1	---	---	---	---	---	80	52	31	3.6	11	11
29	8.2	---	---	---	---	---	69	51	24	2.9	16	12
30	7.8	---	---	---	---	---	73	60	23	6.9	16	12
31	7.3	---	---	---	---	---	---	57	---	7.6	17	---
TOTAL	207.0	---	---	---	---	---	777.4	2073	1001	432.8	450.3	359.8
MEAN	6.68	---	---	---	---	---	25.9	66.9	33.4	14.0	14.5	12.0
MAX	9.4	---	---	---	---	---	80	100	60	32	20	15
MIN	4.6	---	---	---	---	---	3.8	51	23	2.8	8.3	6.6
AC-FT	411	---	---	---	---	---	1540	4110	1990	858	893	714

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. Water-quality data available, October 1990 to September 1993.

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 poor. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	913	960	937	894	775	686	874	2310	1890	762	880	790
2	912	898	924	892	780	746	900	2520	1890	754	842	778
3	934	869	922	889	791	774	969	2510	1870	708	832	769
4	870	863	913	901	794	768	1020	2290	1710	678	870	742
5	874	873	906	905	789	775	1060	2170	1520	744	859	753
6	889	883	846	787	805	812	1030	2090	1370	747	835	763
7	841	851	909	770	872	793	1010	2090	1370	755	812	765
8	834	833	935	754	e840	940	953	1950	1450	783	823	797
9	857	857	953	673	826	e970	946	1630	1450	807	894	812
10	870	874	954	741	802	e1080	894	1730	1480	836	929	815
11	869	886	953	766	833	e1030	901	1670	1390	867	878	793
12	867	889	928	785	823	e990	808	1900	1290	820	819	796
13	871	852	958	805	732	e950	850	2110	1260	811	789	805
14	864	891	952	782	e820	e920	809	2580	1310	908	882	830
15	851	962	947	766	e780	e950	831	2950	1130	1100	1060	830
16	857	877	924	778	e760	e1000	836	3460	1010	1080	943	812
17	874	935	891	798	e770	1020	917	3900	959	954	869	840
18	879	944	892	795	e780	1010	1040	3820	986	882	824	883
19	870	950	885	835	e780	986	1180	3730	946	844	832	877
20	852	953	871	802	e780	897	1460	3600	935	815	821	842
21	849	951	904	784	e790	912	1590	3260	917	784	887	815
22	847	969	930	790	e800	964	1370	2640	899	759	1250	805
23	875	964	926	799	788	1030	1290	2270	869	754	1050	820
24	919	946	907	787	784	977	1200	2270	854	734	951	786
25	940	952	924	809	774	969	1210	2310	882	754	914	776
26	927	949	908	793	765	e1000	1150	2290	829	787	862	763
27	943	958	883	797	769	e970	1490	1960	885	822	821	757
28	991	974	888	806	771	e940	2000	2090	892	794	797	749
29	1020	957	888	748	---	e920	2180	2130	813	758	792	747
30	1000	951	892	743	---	e890	2230	1970	778	760	796	730
31	1010	---	911	787	---	863	---	1920	---	859	802	---
TOTAL	27769	27471	28361	24761	22173	28532	34998	76120	35834	25220	27215	23840
MEAN	896	916	915	799	792	920	1167	2455	1194	814	878	795
MAX	1020	974	958	905	872	1080	2230	3900	1890	1100	1250	883
MIN	834	833	846	673	732	686	808	1630	778	678	789	730
AC-FT	55080	54490	56250	49110	43980	56590	69420	151000	71080	50020	53980	47290

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2001, BY WATER YEAR (WY)

MEAN	1400	1520	1591	1579	1611	1882	2457	4601	4053	2160	1200	1221
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1976 - 2001	
ANNUAL TOTAL	470030		382294			
ANNUAL MEAN	1284		1047		2127	
HIGHEST ANNUAL MEAN					4670	1984
LOWEST ANNUAL MEAN					601	1990
HIGHEST DAILY MEAN	3840	May 24	3900	May 17	20300	Jun 7 1984
LOWEST DAILY MEAN	833	Nov 8	673	Jan 9	208	Aug 11 1977
ANNUAL SEVEN-DAY MINIMUM	858	Oct 7	735	Jul 1	215	Aug 10 1977
MAXIMUM PEAK FLOW			4070	May 17	a25500	Jun 7 1984
MAXIMUM PEAK STAGE			4.49	May 17	a13.15	Jun 7 1984
ANNUAL RUNOFF (AC-FT)	932300		758300		1541000	
10 PERCENT EXCEEDS	2250		1690		4110	
50 PERCENT EXCEEDS	1060		883		1480	
90 PERCENT EXCEEDS	886		769		551	

e Estimated.
a At site 0.7 mi upstream, at datum 4.52 ft higher.

09146020 UNCOMPAHGRE RIVER NEAR OURAY, CO

LOCATION.--Lat 38°02'36", long 107°40'57", in $SE^1/_4SE^1/_4$ sec.24, T.44 N., R.8 W., Ouray County, Hydrologic Unit 14020006, on right bank at downstream side of foot bridge, 0.4 mi downstream from Bridalveil Creek, and 1.6 mi north of Ouray.

DRAINAGE AREA.--77.0 mi^2

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April to September 2001.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,600 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Slight regulation of low flow by power plant at Ouray. One small diversion above station for irrigation below station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period April to September, 778 ft^3s, June 2, gage height, 4.95 ft; minimum daily, 34 ft^3s, April 8, 11, and 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	281	587	230	112	46
2	---	---	---	---	---	---	---	285	649	230	123	44
3	---	---	---	---	---	---	---	234	627	225	109	47
4	---	---	---	---	---	---	52	187	514	215	94	57
5	---	---	---	---	---	---	48	161	403	203	105	55
6	---	---	---	---	---	---	45	161	428	204	67	53
7	---	---	---	---	---	---	38	172	452	191	99	51
8	---	---	---	---	---	---	34	211	424	180	77	50
9	---	---	---	---	---	---	35	237	457	189	69	48
10	---	---	---	---	---	---	35	239	555	191	67	45
11	---	---	---	---	---	---	34	296	531	167	59	43
12	---	---	---	---	---	---	34	369	456	171	60	45
13	---	---	---	---	---	---	38	450	357	151	61	49
14	---	---	---	---	---	---	41	526	260	147	79	56
15	---	---	---	---	---	---	50	529	209	144	78	49
16	---	---	---	---	---	---	67	533	214	133	79	48
17	---	---	---	---	---	---	90	523	264	117	75	66
18	---	---	---	---	---	---	113	492	316	104	68	67
19	---	---	---	---	---	---	112	518	337	98	69	54
20	---	---	---	---	---	---	95	514	328	95	68	50
21	---	---	---	---	---	---	75	490	318	96	88	47
22	---	---	---	---	---	---	68	414	313	87	100	46
23	---	---	---	---	---	---	71	459	275	83	93	43
24	---	---	---	---	---	---	82	549	272	82	78	44
25	---	---	---	---	---	---	104	554	271	77	70	42
26	---	---	---	---	---	---	125	510	258	82	65	41
27	---	---	---	---	---	---	155	589	243	77	58	40
28	---	---	---	---	---	---	171	620	236	71	54	39
29	---	---	---	---	---	---	183	521	247	67	49	39
30	---	---	---	---	---	---	214	457	243	69	48	38
31	---	---	---	---	---	---	---	529	---	91	47	---
TOTAL	---	---	---	---	---	---	---	12610	11044	4267	2368	1442
MEAN	---	---	---	---	---	---	---	407	368	138	76.4	48.1
MAX	---	---	---	---	---	---	---	620	649	230	123	67
MIN	---	---	---	---	---	---	---	161	209	67	47	38
AC-FT	---	---	---	---	---	---	---	25010	21910	8460	4700	2860

09146020 UNCOMPAHGRE RIVER NEAR OURAY, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
APR													
03...	1500	44	610	7.9	11.6	7.3	E4	E6	285	107	4.56	13.4	.346
MAY													
29...	1545	478	155	7.3	7.6	9.1	<1	<1	67.3	24.1	1.74	1.8	.095
JUL													
10...	1115	180	242	8.2	11.4	8.0	<1	<1	100	36.7	2.06	3.6	.155
AUG													
22...	0900	81	434	7.1	11.2	8.4	<1	E4	188	69.5	3.54	7.3	.231

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, 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)
APR													
03...	1.41	40	255	6.2	.7	11.1	424	.58	50	<.001	.141	.036	.09
MAY													
29...	.37	21	49.0	.6	.2	5.5	96.9	.13	125	<.001	.115	<.002	.10
JUL													
10...	.42	19	82.7	1.2	.3	5.8	145	.20	70	<.001	.088	.009	.12
AUG													
22...	.95	18	181	2.2	.4	8.9	286	.39	62	<.001	.113	.018	.10

DATE	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)
APR				
03...	<.10	.024	<.006	<.007
MAY				
29...	<.10	.163	E.003	<.007
JUL				
10...	<.10	.191	<.006	<.007
AUG				
22...	E.05	.425	<.006	<.007

E Estimated laboratory analysis value.

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)
APR										
03...	.81	3.5	2670	<1.00	408	391	<.01	<2.4	<.2	78
MAY										
29...	.52	5.8	2680	<1.00	284	146	<.01	<2.0	<.2	91
JUL										
10...	.58	2.2	4620	<1.00	458	204	<.01	<2.0	<.2	83
AUG										
22...	1.03	4.0	6520	<1.00	567	372	<.01	<2.0	<.2	151

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					JUN				
30...	0955	405	194	5.1	20...	1000	300	191	6.6

09146200 UNCOMPAHGRE RIVER NEAR RIDGWAY, CO

LOCATION.--Lat 38°11'02", long 107°44'43", in $SW^1/_4NE^1/_4$ 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

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1958 to current year.

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 except for estimated daily discharges, which are poor. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	77	53	e46	e45	41	55	311	626	332	166	88
2	85	73	53	46	e44	41	63	338	663	323	230	88
3	83	73	53	e45	e43	41	59	279	654	312	185	87
4	81	72	52	45	e44	41	67	220	582	304	198	86
5	104	73	52	45	e45	43	69	219	461	292	232	80
6	88	71	52	46	e46	43	65	196	471	289	237	78
7	83	68	51	45	e47	45	61	193	537	283	262	75
8	91	65	51	47	e48	45	57	231	520	271	238	74
9	92	70	52	45	e46	48	54	286	532	303	205	71
10	86	68	52	45	e45	48	57	272	602	343	197	70
11	89	68	51	45	e44	47	58	303	589	315	181	68
12	110	65	52	44	e45	46	57	387	544	294	168	63
13	95	59	53	45	e46	45	55	456	501	267	167	63
14	85	65	51	45	e46	46	60	580	409	279	217	74
15	80	61	50	e45	e46	43	59	575	315	288	184	77
16	79	59	47	e44	e46	44	69	562	279	260	154	73
17	77	59	50	e44	e45	46	94	533	312	224	143	82
18	77	59	49	e43	e44	45	131	498	378	209	131	92
19	75	60	e47	e45	e44	45	145	541	414	198	124	78
20	74	59	46	e46	e45	49	129	517	419	186	121	75
21	73	58	48	e46	e45	55	101	521	408	186	136	71
22	73	58	47	e47	45	59	98	428	434	171	162	71
23	77	56	47	e46	43	59	93	437	415	164	153	68
24	82	54	47	e45	41	58	99	509	405	164	127	64
25	76	54	47	e45	41	60	125	535	418	160	119	62
26	73	54	47	e44	42	66	161	477	396	165	110	57
27	73	55	e46	e45	44	61	203	552	380	158	104	57
28	91	55	45	e46	42	56	230	604	346	146	102	57
29	93	54	47	e46	---	53	235	570	352	135	98	56
30	83	55	46	e45	---	51	258	492	352	137	96	53
31	82	---	46	e43	---	51	---	553	---	164	93	---
TOTAL	2596	1877	1530	1399	1247	1521	3067	13175	13714	7322	5040	2158
MEAN	83.7	62.6	49.4	45.1	44.5	49.1	102	425	457	236	163	71.9
MAX	110	77	53	47	48	66	258	604	663	343	262	92
MIN	73	54	45	43	41	41	54	193	279	135	93	53
AC-FT	5150	3720	3030	2770	2470	3020	6080	26130	27200	14520	10000	4280

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2001, BY WATER YEAR (WY)

MEAN	88.8	67.7	52.1	44.8	45.6	59.6	112	328	590	337	161	108
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1959 - 2001	
ANNUAL TOTAL	46750		54646			
ANNUAL MEAN	128		150		166	
HIGHEST ANNUAL MEAN					270	1984
LOWEST ANNUAL MEAN					72.6	1977
HIGHEST DAILY MEAN	696	May 30	663	Jun 2	1740	Jun 24 1983
LOWEST DAILY MEAN	42	Feb 26	41	Feb 24	26	Jan 13 1963
ANNUAL SEVEN-DAY MINIMUM	44	Feb 23	42	Feb 24	30	Feb 13 1990
MAXIMUM PEAK FLOW			757	Jun 1	a2100	Jun 24 1983
MAXIMUM PEAK STAGE			3.99	Jun 1	5.73	Jun 24 1983
ANNUAL RUNOFF (AC-FT)	92730		108400		120600	
10 PERCENT EXCEEDS	291		414		430	
50 PERCENT EXCEEDS	83		73		80	
90 PERCENT EXCEEDS	47		45		43	

e Estimated.
a From rating curve extended above 1800 ft^3/s.

09146200 UNCOMPAHGRE RIVER NEAR RIDGWAY, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to September 1998, April to September 2001.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1996 to June 1998.

INSTRUMENTATION.--Water temperature sensor and logger, October 1996 to June 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
APR													
04...	1115	69	630	8.4	6.8	9.4	E7	E6	293	101	10.1	21.0	.533
MAY													
29...	1145	541	265	7.6	10.0	8.5	27	59	114	39.7	3.71	5.4	.219
JUL													
10...	1355	327	487	8.1	17.5	7.0	67	62	219	73.8	8.52	12.0	.352
AUG													
22...	1115	145	619	8.4	13.9	8.1	360	270	273	90.5	11.3	17.1	.452

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, 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)
APR													
04...	1.87	92	230	5.9	.5	9.9	436	.59	82	.001	.138	.041	--
MAY													
29...	.84	45	76.0	1.4	.2	6.2	161	.22	235	.001	.121	.009	--
JUL													
10...	1.63	95	139	2.6	.4	9.6	305	.42	270	.001	.092	.022	.088
AUG													
22...	2.01	89	214	3.9	.4	10	403	.55	158	.002	.122	.051	.050

DATE	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)	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)
APR													
04...	.22	E.06	.064	<.006	<.007	.20	2.8	2490	<1.00	216	138	<.01	<2.4
MAY													
29...	.16	E.05	.371	<.006	<.007	.22	4.7	5070	<1.00	503	73.5	<.01	<2.0
JUL													
10...	.35	.11	.270	E.004	<.007	E.09	3.1	3430	<1.00	326	64.8	<.01	<2.0
AUG													
22...	1.4	.10	1.30	E.004	<.007	<.10	2.2	19900	<1.00	461	143	<.01	<2.0

DATE	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
APR		
04...	<.2	<20
MAY		
29...	<.2	31
JUL		
10...	<.2	<20
AUG		
22...	<.2	<20

E Estimated laboratory analysis value.

09146200 UNCOMPAHGRE RIVER NEAR RIDGWAY, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					JAN				
03...	1455	89	664	16.6	04...	1050	43	886	1.3
NOV					FEB				
14...	1450	62	814	5.5	21...	1245	43	885	7.0

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	23	e18	e14	e12	20	25	14	22	17	33	32
2	29	22	e17	e13	e13	19	26	6.6	35	16	42	32
3	28	21	e17	e13	e13	20	27	7.4	39	12	42	33
4	27	19	e17	e12	e13	20	32	8.6	44	9.8	37	33
5	32	20	e16	e12	e13	20	38	23	29	11	37	31
6	32	20	e16	e12	e13	21	32	30	22	14	35	26
7	30	19	e16	e12	e14	22	25	22	29	17	40	17
8	31	23	e16	e13	e14	23	26	14	31	15	49	14
9	32	24	e15	e13	e14	23	23	7.1	27	38	48	13
10	31	23	e15	e13	e13	24	26	4.5	38	87	57	12
11	30	23	e15	e13	e13	22	25	2.0	44	146	56	11
12	30	21	e15	e13	e13	22	23	1.7	47	89	50	11
13	29	25	e16	e13	e13	22	21	2.0	46	67	50	8.5
14	29	e26	e15	e12	14	22	25	3.9	33	83	58	17
15	29	e24	e14	e12	e14	22	25	1.9	19	74	52	20
16	29	e22	e13	e12	e15	22	36	1.6	8.8	65	50	21
17	28	e21	e14	e12	e15	22	51	.49	4.0	60	47	26
18	27	e21	e14	e12	e15	22	66	.52	3.9	54	41	32
19	24	e20	e13	e13	e15	23	70	1.2	4.0	52	35	31
20	22	e21	e13	e13	e16	25	35	5.2	5.9	50	35	34
21	21	e20	e13	e13	e17	26	24	8.2	6.5	47	38	37
22	24	e19	e14	e14	e16	30	31	5.2	8.2	43	46	31
23	29	e19	e14	e14	18	30	27	8.9	9.9	37	50	32
24	30	e18	e14	e14	18	29	42	12	15	36	45	28
25	28	e17	e13	e14	18	31	38	5.5	19	36	42	28
26	25	e17	e13	e13	19	33	22	3.5	15	35	41	29
27	25	e18	e13	e13	19	30	22	4.1	16	34	39	30
28	34	e18	e13	e13	20	28	11	16	10	29	38	32
29	29	e17	e14	e13	---	24	10	22	9.4	26	37	32
30	27	e18	e14	e13	---	24	9.2	14	13	26	36	34
31	26	---	e13	e13	---	23	---	13	---	34	35	---
TOTAL	875	619	453	399	420	744	893.2	270.11	653.6	1359.8	1341	767.5
MEAN	28.2	20.6	14.6	12.9	15.0	24.0	29.8	8.71	21.8	43.9	43.3	25.6
MAX	34	26	18	14	20	33	70	30	47	146	58	37
MIN	21	17	13	12	12	19	9.2	.49	3.9	9.8	33	8.5
AC-FT	1740	1230	899	791	833	1480	1770	536	1300	2700	2660	1520

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2001, BY WATER YEAR (WY)

MEAN	25.6	24.5	20.2	17.9	18.8	25.7	58.8	50.9	61.5	75.5	59.4	39.4
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1922 - 2001	
ANNUAL TOTAL	9523.50		8795.21			
ANNUAL MEAN	26.0		24.1		39.7	
HIGHEST ANNUAL MEAN					86.4	1984
LOWEST ANNUAL MEAN					13.8	1990
HIGHEST DAILY MEAN	143	Apr 13	146	Jul 11	740	May 3 1924
LOWEST DAILY MEAN	.25	Aug 2	.49	May 17	.21	Jun 19 1981
ANNUAL SEVEN-DAY MINIMUM	1.9	Aug 1	1.7	May 13	.38	May 11 1981
MAXIMUM PEAK FLOW			582	Jul 11	a3960	Jul 31 1999
MAXIMUM PEAK STAGE			5.55	Jul 11	b8.42	Jul 31 1999
ANNUAL RUNOFF (AC-FT)	18890		17450		28760	
10 PERCENT EXCEEDS	41		42		92	
50 PERCENT EXCEEDS	20		22		25	
90 PERCENT EXCEEDS	13		11		12	

e Estimated.
a On basis of slope-area measurement of peak flow.
b From high water mark.

09147022 RIDGWAY RESERVOIR NEAR RIDGWAY, CO

LOCATION.--Lat 38°14'14", long 107°45'27", NW$^{1}/_{4}$SW$^{1}/_{4}$ 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, 82,590 acre-ft, July 16, mean elevation, 6,870.76 ft; minimum daily mean contents, 66,080 acre-ft, Oct. 1; mean elevation, 6,854.05 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	6854.01	66,040	
Oct. 31	6856.65	68,510	+2,470
Nov. 30	6858.21	69,990	+1,480
Dec. 31	6859.29	71,030	+1,040
CAL YR 2000	-	-	+3,890
Jan. 31	6859.77	71,490	+460
Feb. 28	6860.35	72,060	+570
Mar. 31	6861.33	73,010	+950
Apr. 30	6855.77	67,680	-5,330
May 31	6864.13	75,770	+8,090
June 30	6869.89	81,670	+5,900
July 31	6868.38	80,090	-1,580
Aug. 31	6867.27	78,950	-1,140
Sept. 30	6860.11	71,820	-7,130
WATER YEAR 2001	-	-	+5,780

09147025 UNCOMPAHGRE RIVER BELOW RIDGWAY RESERVOIR, CO

LOCATION.--Lat 38°14'17", long 107°45'31", in $NE^1/_4SE^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	64	54	52	52	52	50	299	304	343	274	223
2	81	64	54	52	52	52	50	299	304	326	274	223
3	72	64	53	52	52	52	50	299	304	316	274	223
4	72	64	53	52	52	52	50	299	304	316	274	223
5	71	64	52	52	52	52	50	299	304	315	274	223
6	70	64	52	52	52	52	50	299	304	316	274	223
7	70	64	52	52	52	52	50	299	304	316	274	223
8	70	64	52	52	52	52	50	299	304	316	274	223
9	70	64	52	52	52	52	101	299	304	316	241	223
10	69	64	52	52	52	52	231	298	305	315	218	223
11	68	64	52	52	51	52	294	296	358	318	218	223
12	68	64	52	52	50	52	294	296	509	379	218	222
13	68	63	52	52	50	52	294	298	588	413	218	218
14	68	57	52	52	51	52	294	299	583	396	218	218
15	68	54	52	52	50	52	294	299	583	396	218	218
16	68	54	52	52	51	52	294	299	583	395	218	218
17	68	54	52	52	52	52	294	299	583	394	218	218
18	67	54	52	52	52	52	294	299	500	365	218	218
19	66	54	52	52	52	52	294	299	409	344	218	218
20	66	54	52	52	52	52	294	299	361	327	218	218
21	66	54	52	52	52	51	294	299	343	315	218	218
22	66	54	52	52	52	50	294	299	343	315	221	218
23	66	54	52	52	52	50	294	299	343	308	221	218
24	66	54	52	52	52	50	294	299	343	303	220	218
25	65	54	52	52	52	50	294	299	343	300	221	218
26	64	54	52	52	52	50	297	299	343	291	221	218
27	64	54	52	52	52	50	299	299	343	274	222	218
28	64	54	52	52	52	50	299	299	343	274	223	218
29	64	54	52	52	---	50	299	301	343	274	223	218
30	64	54	52	52	---	50	299	304	343	274	223	218
31	64	---	52	52	---	50	---	304	---	274	223	---
TOTAL	2127	1752	1618	1612	1447	1591	6635	9273	11528	10124	7267	6599
MEAN	68.6	58.4	52.2	52.0	51.7	51.3	221	299	384	327	234	220
MAX	94	64	54	52	52	52	299	304	588	413	274	223
MIN	64	54	52	52	50	50	50	296	304	274	218	218
AC-FT	4220	3480	3210	3200	2870	3160	13160	18390	22870	20080	14410	13090

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	123	85.9	73.7	60.1	61.3	89.1	247	340	421	419	337	205
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1989 - 2001	
ANNUAL TOTAL	58497		61573			
ANNUAL MEAN	160		169		206	
HIGHEST ANNUAL MEAN					311	1995
LOWEST ANNUAL MEAN					117	1989
HIGHEST DAILY MEAN	821	Jun 1	588	Jun 13	1110	Jun 25 1999
LOWEST DAILY MEAN	47	Feb 10	50	Feb 12	34	Apr 21 1990
ANNUAL SEVEN-DAY MINIMUM	47	Feb 10	50	Mar 22	34	Apr 21 1990
MAXIMUM PEAK FLOW			590	Jun 12	1160	Jun 13 1990
MAXIMUM PEAK STAGE			2.96	Jun 12	a3.56	Jun 13 1990
ANNUAL RUNOFF (AC-FT)	116000		122100		149100	
10 PERCENT EXCEEDS	388		316		464	
50 PERCENT EXCEEDS	66		70		114	
90 PERCENT EXCEEDS	47		52		49	

a Maximum gage height, 3.63 ft, Jul 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 except for estimated daily discharges, which are poor. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	84	59	61	56	56	67	465	521	320	231	207
2	65	84	59	61	57	56	74	478	527	300	282	206
3	53	83	58	e59	55	57	73	444	503	284	251	204
4	59	80	57	59	55	57	84	403	461	280	252	202
5	65	84	59	60	56	58	88	416	403	278	279	199
6	67	83	60	60	59	58	74	444	415	276	310	192
7	64	83	58	61	60	59	64	445	462	274	289	192
8	64	83	60	61	61	59	61	493	442	273	278	191
9	71	88	60	61	58	61	97	514	445	272	243	191
10	69	88	61	59	58	63	241	481	478	283	216	192
11	67	91	61	61	57	62	321	470	506	275	208	189
12	70	90	61	58	58	61	318	501	609	335	204	184
13	78	85	62	59	58	59	310	537	677	389	210	183
14	84	73	61	59	59	62	313	636	632	386	253	187
15	81	67	59	57	59	58	307	602	605	412	248	184
16	81	62	57	e56	58	59	316	591	600	394	222	183
17	81	61	60	e56	58	61	336	569	609	381	218	196
18	80	62	60	e54	59	58	367	532	555	344	212	196
19	80	62	59	e56	58	59	379	558	471	312	206	194
20	79	63	60	58	58	63	367	541	445	292	206	190
21	80	63	62	58	59	70	338	533	418	272	211	188
22	82	65	59	60	59	77	335	472	403	268	272	184
23	84	65	58	57	58	74	326	470	382	260	279	181
24	86	62	57	59	58	72	324	498	372	252	265	178
25	84	64	e56	56	57	72	354	520	359	251	260	177
26	81	62	e56	56	58	76	383	534	348	249	252	180
27	81	63	e57	56	59	72	402	545	349	241	243	179
28	88	62	59	56	58	68	420	580	336	238	233	178
29	89	60	62	56	---	67	427	536	335	227	225	171
30	87	61	60	57	---	65	442	494	331	228	212	173
31	87	---	60	e54	---	63	---	503	---	233	212	---
TOTAL	2367	2183	1837	1801	1623	1962	8008	15805	13999	9079	7482	5651
MEAN	76.4	72.8	59.3	58.1	58.0	63.3	267	510	467	293	241	188
MAX	89	91	62	61	61	77	442	636	677	412	310	207
MIN	53	60	56	54	55	56	61	403	331	227	204	171
AC-FT	4690	4330	3640	3570	3220	3890	15880	31350	27770	18010	14840	11210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2001, BY WATER YEAR (WY)

MEAN	149	108	89.2	78.5	79.5	115	302	530	635	447	301	199
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1986 - 2001	
ANNUAL TOTAL	64974		71797			
ANNUAL MEAN	178		197		a253	
HIGHEST ANNUAL MEAN					396	1997
LOWEST ANNUAL MEAN					129	1989
HIGHEST DAILY MEAN	1070	May 31	677	Jun 13	1900	Jul 11 1995
LOWEST DAILY MEAN	49	Jan 13	53	Oct 3	b25	Apr 28 1990
ANNUAL SEVEN-DAY MINIMUM	50	Jan 9	56	Jan 29	29	Sep 24 1989
MAXIMUM PEAK FLOW			736	May 14	c2230	Jul 12 1995
MAXIMUM PEAK STAGE			2.84	May 14	4.76	Jul 12 1995
ANNUAL RUNOFF (AC-FT)	128900		142400		183600	
10 PERCENT EXCEEDS	424		470		590	
50 PERCENT EXCEEDS	78		87		129	
90 PERCENT EXCEEDS	57		58		59	

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.--No estimated daily discharges. Records good. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	456	470	239	191	153	159	198	124	272	150	196	370
2	432	401	234	188	157	156	185	152	276	165	212	384
3	352	375	232	179	160	153	161	227	276	151	219	374
4	338	357	229	178	156	154	122	304	240	154	251	339
5	360	364	227	177	159	156	193	438	211	152	257	343
6	361	355	226	177	163	155	184	531	195	157	241	342
7	356	346	223	178	168	154	252	503	189	149	256	366
8	358	339	225	170	181	154	244	467	169	166	255	390
9	356	341	226	170	160	153	231	487	166	173	247	399
10	358	338	229	177	157	160	266	422	196	175	229	422
11	368	338	234	169	162	193	398	410	183	175	222	428
12	371	333	227	171	158	168	418	380	207	174	221	424
13	363	319	232	172	163	172	370	408	336	225	214	451
14	372	308	224	167	174	189	316	550	424	376	315	512
15	366	298	220	160	165	117	280	522	376	606	355	501
16	376	283	215	162	155	127	251	491	339	710	301	499
17	381	271	205	162	157	146	198	475	328	500	283	533
18	385	267	206	157	158	145	189	461	335	451	266	618
19	311	262	198	159	159	136	191	390	236	352	254	640
20	295	264	215	169	158	223	167	430	199	282	260	645
21	301	265	208	157	162	259	146	378	167	229	394	645
22	306	268	210	161	160	216	124	312	149	203	499	510
23	311	263	206	167	156	370	134	265	139	189	539	455
24	327	253	202	161	156	435	98	250	148	179	486	450
25	336	252	208	166	153	433	90	274	156	181	453	396
26	343	246	203	163	151	399	93	263	159	178	428	367
27	330	245	192	161	155	367	92	283	161	180	404	349
28	353	244	197	164	156	303	89	342	160	168	360	331
29	386	241	195	164	---	264	105	330	154	176	314	329
30	391	244	196	161	---	218	110	288	150	181	307	330
31	510	---	198	155	---	220	---	257	---	195	326	---
TOTAL	11209	9150	6681	5213	4472	6654	5895	11414	6696	7502	9564	13142
MEAN	362	305	216	168	160	215	196	368	223	242	309	438
MAX	510	470	239	191	181	435	418	550	424	710	539	645
MIN	295	241	192	155	151	117	89	124	139	149	196	329
AC-FT	22230	18150	13250	10340	8870	13200	11690	22640	13280	14880	18970	26070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

MEAN	407	256	168	139	134	166	310	508	560	322	295	393
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	88753		97592			
ANNUAL MEAN	242		267		305	
HIGHEST ANNUAL MEAN					688	1984
LOWEST ANNUAL MEAN					155	1951
HIGHEST DAILY MEAN	1020	May 9	710	Jul 16	4520	May 15 1984
LOWEST DAILY MEAN	108	Aug 9	89	Apr 28	a20	Dec 26 1962
ANNUAL SEVEN-DAY MINIMUM	122	Aug 8	97	Apr 24	42	Mar 14 1959
MAXIMUM PEAK FLOW			1010	Jul 16	b5800	May 15 1984
MAXIMUM PEAK STAGE			5.33	Jul 16	8.85	May 15 1984
ANNUAL RUNOFF (AC-FT)	176000		193600		221200	
10 PERCENT EXCEEDS	382		431		606	
50 PERCENT EXCEEDS	208		232		207	
90 PERCENT EXCEEDS	137		155		108	

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, October 1990 to September 1993, October 1994 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
25...	0930	339	1310	8.2	9.2	587	163	43.4	82.1	1.47	3.25	203	511
NOV													
20...	1245	257	1650	8.4	3.1	691	184	56.2	103	1.71	3.95	206	665
DEC													
13...	1420	233	1680	8.7	5.0	716	186	61.2	114	1.86	4.11	188	723
20...	0820	230	1710	8.4	0.0	--	--	--	--	--	--	--	--
FEB													
01...	1420	134	1530	8.7	2.5	649	169	55.2	102	1.74	3.48	200	639
13...	1445	164	1680	8.6	6.4	--	--	--	--	--	--	--	700
28...	1045	156	1640	8.5	5.5	658	164	59.9	118	2.01	4.28	209	709
MAR													
22...	0905	233	1400	8.2	9.0	559	135	53.7	109	2.00	4.01	184	580
APR													
19...	0945	182	1160	8.3	13.5	508	141	37.6	73.6	1.42	4.25	172	455
MAY													
23...	1030	282	1430	8.2	13.8	610	167	46.7	93.3	1.64	3.77	197	613
JUN													
07...	1400	182	1490	8.3	20.7	676	192	48.1	92.8	1.55	3.93	206	638
27...	1015	162	1560	8.1	17.3	738	211	51.5	91.4	1.46	3.37	224	650
JUL													
11...	0900	182	1610	8.1	16.4	738	208	53.2	98.9	1.58	3.82	227	670
AUG													
21...	1000	392	1410	8.1	17.3	593	164	44.8	86.8	1.55	4.24	211	589
SEP													
11...	1430	439	1140	8.2	16.8	531	149	38.4	67.6	1.28	2.89	193	468

DATE	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							
25...	8.0	.7	15.4	948	1.3	868	10.2
NOV							
20...	10.1	.6	17.4	1160	1.6	807	13.1
DEC							
13...	13.0	.6	14.4	1230	1.7	773	17.9
20...	--	--	--	--	--	--	17.0
FEB							
01...	11.5	.7	13.4	1110	1.5	403	13.2
13...	--	--	--	--	--	--	18.0
28...	14.0	.6	10.9	1210	1.6	508	16.4
MAR							
22...	11.8	.5	12.2	1020	1.4	639	16.4
APR							
19...	8.6	.5	12.8	836	1.1	411	10.7
MAY							
23...	9.4	.6	15.3	1070	1.5	813	10.8
JUN							
07...	10.4	.7	16.5	1130	1.5	553	11.4
27...	10.2	.9	17.3	1170	1.6	512	9.4
JUL							
11...	10.7	.8	19.2	1200	1.6	590	11.6
AUG							
21...	10.2	.7	16.7	1040	1.4	1100	9.8
SEP							
11...	7.7	.7	16.4	867	1.2	1030	8.7

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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...	1115	332	1270	13.9	31...	1115	298	1320	14.9
NOV					JUL				
15...	1110	301	1710	4.2	25...	1115	193	1560	17.8
JAN					AUG				
03...	1300	172	1820	1.0	21...	1345	394	1430	19.8
FEB									
22...	0825	161	1780	4.5					

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, CO

LOCATION.--Lat 38°59'00", long 108°27'00", in NE$^1/_4$SW$^1/_4$ 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 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1790	2060	1420	1270	1030	1020	1380	3250	2460	1140	1350	1500
2	1750	1780	1390	1250	1040	991	1390	3560	2440	1180	1330	1530
3	1730	1650	1390	1240	1060	1040	1390	3680	2440	1120	1410	1530
4	1620	1610	1380	1250	1060	1030	1400	3450	2300	1080	1470	1470
5	1610	e1600	1370	1260	1060	1020	1540	3210	2120	1080	1410	1440
6	1600	e1620	1330	1220	1070	1050	1620	3300	1930	1100	1390	1440
7	1600	e1550	1330	1140	1110	1020	1640	3170	1820	1090	1300	1490
8	1550	1460	1390	1110	1120	1060	1580	3040	1870	1120	1310	1560
9	1580	1450	1400	1050	1080	1230	1540	2970	1890	1170	1360	1600
10	1600	1480	1420	1090	1070	1250	1450	2960	1890	1340	1560	1620
11	1620	1480	1430	1130	1060	1410	1600	2950	1900	1280	1410	1640
12	1670	1480	1390	1130	1070	1370	1580	2980	1740	1260	1300	1630
13	1680	1450	1410	1160	1030	1110	1600	3180	1770	1250	1260	1660
14	1670	1420	1420	1140	1040	1270	1500	3560	2060	1560	e1360	1770
15	1680	1500	1400	1100	1030	1220	1430	4110	1880	1970	e1570	1760
16	1690	1470	1390	1080	1060	1200	1410	4320	1710	2240	e1510	1690
17	1710	1410	1330	1060	1040	1290	1400	4820	1570	1850	1460	1740
18	1730	1460	1300	1060	1040	1290	1530	4970	1570	1650	1400	1910
19	1690	1430	1270	1120	1060	1260	1820	4610	1480	1500	1360	1950
20	1610	1450	1290	1210	1070	1200	2200	4610	1360	1370	1360	1930
21	1610	1440	1290	1190	1070	1300	2390	4220	1330	1290	1490	1890
22	1630	1460	1320	1160	1100	1270	2120	3600	1280	1210	2060	1770
23	1670	1470	1330	1180	1080	1440	2020	3010	1240	1170	2160	1670
24	1750	1450	1320	1130	1080	1630	1790	2830	1200	1160	1950	1640
25	1800	1430	1330	1090	1060	1640	1700	2860	1230	1140	1800	1540
26	1790	1430	1320	1090	1040	1660	1800	2870	1210	1260	1730	1490
27	1780	1430	1280	1070	1050	1570	2080	2680	1250	1310	1660	1430
28	1830	1440	1270	1080	1070	1570	2630	2620	1300	1250	1530	1410
29	1930	1440	1270	1080	---	1510	3090	2790	1260	1210	1450	1380
30	1910	1420	1270	1000	---	1470	3160	2620	1180	1180	1440	1390
31	2010	---	1280	1040	---	1410	---	2490	---	1250	1450	---
TOTAL	52890	45220	41730	35180	29750	39801	53780	105290	50680	40780	46600	48470
MEAN	1706	1507	1346	1135	1062	1284	1793	3396	1689	1315	1503	1616
MAX	2010	2060	1430	1270	1120	1660	3160	4970	2460	2240	2160	1950
MIN	1550	1410	1270	1000	1030	991	1380	2490	1180	1080	1260	1380
AC-FT	104900	89690	82770	69780	59010	78950	106700	208800	100500	80890	92430	96140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2001, BY WATER YEAR (WY)

MEAN	1479	1458	1356	1269	1270	1460	3098	7437	7009	2546	1401	1385
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1897 - 2001	
ANNUAL TOTAL	674250		590171			
ANNUAL MEAN	1842		1617		2600	
HIGHEST ANNUAL MEAN					5187	1984
LOWEST ANNUAL MEAN					838	1934
HIGHEST DAILY MEAN	5180	May 9	4970	May 18	35200	May 23 1920
LOWEST DAILY MEAN	1090	Mar 8	991	Mar 2	106	Jul 20 1934
ANNUAL SEVEN-DAY MINIMUM	1140	Mar 5	1020	Mar 1	116	Jul 14 1934
MAXIMUM PEAK FLOW			5170	May 17	a35700	May 23 1920
MAXIMUM PEAK STAGE			5.90	May 17	14.95	May 23 1920
ANNUAL RUNOFF (AC-FT)	1337000		1171000		1884000	
10 PERCENT EXCEEDS	3060		2440		6080	
50 PERCENT EXCEEDS	1620		1440		1390	
90 PERCENT EXCEEDS	1280		1080		707	

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 Dec. 14 to Feb. 14, July 16 to Sept. 30, which are fair.
Daily maximum and minimum specific-conductance data previous to water year 1995 are available in the district office.
Daily water temperature data are good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 3,000 microsiemens/cm several days during July and Sept. 1974; minimum, 194 microsiemens/cm June 6, 1979.
WATER TEMPERATURE: Maximum, 30.0°C Aug. 13, 1958; minimum, 0.0°C on many days during winter months
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,410 microsiemens/cm, Aug. 23; minimum, 355 microsiemens/cm, May 2.
WATER TEMPERATURE: Maximum, 25.6°C, July 8; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)
OCT													
25...	1240	1800	995	8.4	11.2	9.6	443	121	34.3	59.7	1.23	3.25	164
DEC													
14...	1330	1440	920	8.7	3.9	11.6	376	95.3	33.6	56.4	1.27	3.24	155
FEB													
13...	1135	1050	825	8.7	3.8	10.6	335	83.2	31.0	53.8	1.28	3.21	145
MAR													
15...	1200	1240	958	8.5	6.0	11.7	353	85.1	34.0	62.8	1.46	3.42	142
APR													
20...	1145	2060	540	8.2	13.1	7.7	206	54.6	17.0	31.0	.939	3.03	114
MAY													
22...	1345	3480	479	8.2	11.8	8.6	187	51.3	14.4	23.8	.757	1.76	96
JUN													
28...	1340	1300	949	8.3	21.6	7.5	425	118	31.9	52.3	1.10	3.41	152
JUL													
27...	1130	1260	1040	8.0	20.3	6.9	456	127	33.6	57.7	1.18	3.92	157
AUG													
23...	1030	2140	1400	8.0	16.9	6.7	665	203	38.5	68.4	1.15	8.04	163

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, 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								
25...	363	7.3	.5	13.3	700	1.0	3400	5.7
DEC								
14...	343	7.8	.4	12.3	645	.9	2510	8.3
FEB								
13...	292	8.2	.3	10.0	568	.8	1610	7.5
MAR								
15...	333	8.7	.3	10.1	622	.8	2080	6.9
APR								
20...	150	6.0	.3	10.7	341	.5	1900	3.3
MAY								
22...	140	3.8	.2	11.6	304	.4	2860	2.6
JUN								
28...	346	8.0	.5	12.4	663	.9	2330	5.7
JUL								
27...	394	8.3	.5	14.4	734	1.0	2500	5.9
AUG								
23...	622	9.8	.7	13.8	1060	1.4	6130	7.5

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1030	1010	1020	1010	1010	1010	957	944	952	821	794	813
2	1040	1010	1020	1010	991	1000	958	928	944	820	798	814
3	1020	1000	1020	1040	1000	1030	945	919	933	818	787	807
4	1010	991	998	1050	1040	1040	941	926	934	803	777	789
5	1020	999	1010	---	---	---	940	923	934	796	772	788
6	1030	1020	1020	---	---	---	945	926	937	794	772	787
7	1020	1020	1020	1080	1070	1080	944	932	939	793	775	787
8	1030	1010	1020	1080	1070	1080	942	929	935	795	780	788
9	1030	1020	1020	1090	1070	1080	936	914	927	796	743	785
10	1020	1010	1010	1080	1080	1080	943	930	935	822	790	806
11	1020	1010	1020	1080	1070	1080	939	924	932	814	800	807
12	1020	1020	1020	1080	1060	1070	941	929	936	811	781	799
13	1020	1020	1020	1080	1060	1070	945	931	938	843	805	826
14	1020	998	1010	1060	1050	1050	941	914	933	843	827	838
15	998	988	994	1050	1010	1020	930	916	923	859	841	851
16	997	986	992	1010	999	1010	918	902	912	859	832	846
17	998	986	992	1010	996	1010	912	885	898	---	---	---
18	991	976	985	1020	970	1000	885	848	865	---	---	---
19	984	974	979	985	960	975	878	855	864	---	---	---
20	988	974	981	961	943	954	869	834	846	---	---	---
21	1000	984	992	953	931	943	848	827	839	---	---	---
22	1010	997	1000	957	934	945	862	839	849	---	---	---
23	1010	1000	1010	986	954	971	846	808	831	---	---	---
24	1010	999	1000	990	977	985	823	806	814	733	620	666
25	1010	998	1000	989	965	974	836	816	825	740	589	698
26	1010	1000	1010	979	958	969	836	814	828	630	548	599
27	1010	1010	1010	977	953	966	842	821	834	612	497	563
28	1010	1010	1010	974	957	967	839	817	829	590	543	569
29	1020	1010	1010	973	949	959	840	814	827	590	490	566
30	1020	1020	1020	956	938	948	830	807	820	548	489	512
31	1020	1010	1020	---	---	---	825	799	816	605	548	581
MONTH	1040	974	1010	---	---	---	958	799	888	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	612	556	582	853	844	849	716	685	694	408	377	390
2	635	575	602	889	843	866	696	666	676	395	355	376
3	639	611	626	894	826	867	675	660	666	398	357	378
4	649	620	635	826	816	821	683	647	664	488	398	445
5	664	638	651	824	806	815	683	623	655	532	488	514
6	697	656	674	817	799	806	636	606	615	607	523	580
7	800	694	742	810	781	794	631	600	612	606	565	595
8	820	792	803	812	803	807	634	621	626	565	556	559
9	831	816	824	822	714	779	638	624	629	580	544	555
10	871	828	848	728	711	720	625	614	619	586	554	568
11	886	861	876	756	720	736	635	625	631	565	534	548
12	874	859	866	851	750	808	636	610	620	563	532	543
13	914	845	879	872	851	863	649	621	634	546	516	526
14	916	888	903	887	815	842	638	624	628	550	503	522
15	950	907	929	923	868	911	649	634	639	512	475	495
16	945	869	915	868	723	762	651	633	644	485	446	473
17	869	835	847	737	718	726	647	626	637	446	437	442
18	865	822	835	772	737	752	630	596	622	466	419	442
19	865	825	838	795	772	787	600	539	575	460	445	455
20	859	827	842	772	748	761	548	482	522	481	448	462
21	852	837	844	891	748	811	512	470	486	502	468	484
22	868	833	848	770	712	746	497	469	478	530	483	497
23	885	860	872	765	718	740	550	497	519	574	529	544
24	895	876	886	827	682	728	568	550	562	601	574	587
25	881	849	870	781	674	719	577	537	565	597	564	580
26	858	844	852	688	650	662	560	498	535	595	566	579
27	844	835	840	669	641	651	530	490	510	626	571	587
28	847	834	840	693	659	670	490	416	442	672	626	650
29	---	---	---	691	653	661	422	381	404	668	601	624
30	---	---	---	725	661	682	405	389	397	633	595	614
31	---	---	---	703	678	689	---	---	---	653	628	638
MONTH	950	556	806	923	641	769	716	381	584	672	355	524

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	665	637	649	969	922	951	1060	985	1010	1090	1060	1070
2	670	634	653	975	943	962	1050	1020	1030	1080	1060	1070
3	672	634	652	1000	959	985	1020	891	1000	1070	1040	1060
4	676	639	656	976	958	967	1030	858	968	1060	1030	1040
5	693	666	679	967	948	958	1020	983	1000	1050	1020	1040
6	742	693	713	953	928	941	1000	957	986	1050	1020	1030
7	755	727	740	959	928	942	965	931	953	1040	1010	1030
8	755	704	729	963	933	946	976	833	960	1030	1010	1020
9	741	676	702	983	929	957	963	833	924	1020	992	1010
10	715	672	691	990	839	957	1090	855	930	1010	946	979
11	715	679	698	969	897	943	1020	900	935	975	955	965
12	730	696	715	955	913	941	978	930	955	980	949	965
13	766	715	745	966	933	950	980	947	967	983	957	973
14	801	765	787	979	903	951	---	---	---	1020	942	983
15	845	801	816	1070	932	968	---	---	---	1010	976	997
16	879	843	861	1060	981	1000	---	---	---	978	953	966
17	903	844	878	1040	969	998	1010	996	1000	965	935	950
18	910	835	878	1000	954	970	1040	1010	1030	956	941	950
19	909	828	873	962	956	959	1050	1020	1040	960	950	955
20	887	841	869	987	956	975	1060	1020	1040	952	932	940
21	914	880	898	1020	987	1010	1050	1020	1040	935	926	930
22	912	867	895	1030	1010	1020	1190	1050	1090	930	922	927
23	902	837	878	1040	1020	1030	1410	1050	1230	952	927	945
24	870	831	851	1060	1020	1040	1170	1060	1100	965	948	958
25	874	843	859	1090	1040	1070	1080	1050	1070	981	963	972
26	929	846	890	1120	978	1090	1080	1050	1070	994	976	984
27	900	873	890	1220	972	1060	1080	1050	1060	1010	990	998
28	963	885	932	1180	1010	1070	1080	1040	1060	1020	999	1010
29	974	936	955	1010	980	1000	1080	1050	1060	1030	1010	1020
30	967	923	949	997	964	985	1090	1060	1080	1050	1020	1030
31	---	---	---	1070	963	991	1100	1050	1080	---	---	---
MONTH	974	634	799	1220	839	987	---	---	---	1090	922	992

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.9	15.0	16.5	9.3	8.1	8.7	4.0	2.8	3.5	1.6	.4	1.0
2	17.4	14.7	16.2	8.8	7.1	8.0	3.4	2.1	2.8	1.5	.2	.9
3	16.8	14.8	16.0	8.7	6.9	7.8	3.0	1.6	2.4	1.1	.0	.6
4	16.4	15.0	15.6	8.8	6.8	7.8	2.9	1.5	2.3	1.0	.0	.4
5	16.2	13.6	14.9	---	---	---	2.8	1.5	2.2	1.2	.0	.5
6	15.9	13.0	14.5	---	---	---	2.9	1.6	2.3	1.5	.2	.8
7	15.2	12.3	13.9	5.3	3.7	4.2	2.8	1.8	2.3	1.6	.3	.9
8	14.0	11.8	13.1	4.4	2.6	3.6	2.4	1.7	2.1	1.0	.0	.5
9	14.4	12.3	13.5	6.1	4.0	4.8	4.0	2.2	3.0	.2	.0	.0
10	14.7	12.8	13.7	6.1	5.1	5.6	4.6	3.7	4.1	.2	.0	.1
11	13.7	12.0	12.9	5.8	5.1	5.4	4.1	2.9	3.5	1.2	.0	.5
12	13.0	11.3	12.4	5.5	3.7	4.6	3.1	2.5	2.8	1.8	.8	1.3
13	13.1	11.3	12.2	4.2	2.4	3.3	2.7	2.4	2.5	2.8	1.2	1.9
14	12.7	10.2	11.5	3.6	1.9	2.7	3.2	2.1	2.7	2.3	1.3	1.7
15	12.4	9.9	11.2	3.2	2.2	2.7	3.2	2.3	2.7	1.3	.2	.7
16	12.3	9.7	11.0	4.3	2.6	3.4	2.4	1.3	1.9	.5	.0	.2
17	12.3	9.6	11.0	2.8	1.7	2.3	1.6	.6	1.1	.0	.0	.0
18	12.3	9.6	11.0	1.9	.4	1.2	.7	.0	.3	.0	.0	.0
19	12.4	9.8	11.1	2.2	.5	1.3	.0	.0	.0	.0	.0	.0
20	12.5	10.1	11.3	2.5	.8	1.7	.3	.0	.1	.0	.0	.0
21	11.6	9.9	11.0	2.7	1.1	2.0	.3	.0	.1	.0	.0	.0
22	11.9	10.6	11.3	3.3	1.8	2.6	.8	.0	.3	.0	.0	.0
23	11.8	10.8	11.4	4.4	2.5	3.5	1.3	.1	.7	.0	.0	.0
24	11.3	10.3	10.9	4.5	3.0	3.8	1.2	.5	.8	.3	.0	.1
25	11.4	10.1	10.8	4.0	2.8	3.5	1.7	.6	1.1	1.8	.3	1.0
26	11.9	9.8	10.8	4.3	3.1	3.7	1.9	.6	1.3	2.6	1.2	1.8
27	11.4	9.9	10.7	4.3	3.3	3.8	1.8	.6	1.2	2.1	1.8	1.9
28	11.6	10.6	11.0	4.6	3.1	3.9	1.2	.0	.7	2.1	1.6	1.9
29	11.9	10.3	11.0	4.6	3.0	3.9	1.0	.0	.5	2.7	1.4	1.9
30	11.3	10.1	10.6	4.7	3.3	4.0	1.0	.0	.4	2.4	1.2	1.7
31	10.6	9.3	9.9	---	---	---	1.5	.2	.9	1.6	.0	.8
MONTH	17.9	9.3	12.4	---	---	---	4.6	.0	1.7	2.8	.0	.7

09152500 GUNNISON RIVER NEAR GRAND JUNCTION, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.7	.0	.6	6.2	4.9	5.6	12.1	8.9	10.5	14.4	12.2	13.1
2	1.8	.1	.8	7.3	4.6	5.9	13.0	10.2	11.5	13.4	10.9	12.3
3	1.5	.5	.9	7.5	5.5	6.3	12.8	10.6	11.8	11.1	9.2	10.4
4	2.8	.5	1.6	7.6	5.2	6.4	12.1	10.0	11.1	9.7	8.3	9.0
5	3.4	1.4	2.4	7.3	6.5	7.0	11.5	9.9	10.7	11.2	9.3	10.2
6	4.2	2.5	3.3	8.3	6.4	7.3	10.5	9.0	9.7	12.3	10.0	11.0
7	5.7	3.8	4.6	8.3	7.1	7.7	9.8	7.7	8.7	13.7	11.3	12.4
8	5.1	2.9	4.4	9.8	7.1	8.4	10.2	7.2	8.5	14.8	12.1	13.3
9	2.9	.7	1.5	9.2	8.1	8.7	10.6	7.7	9.2	15.3	13.2	14.1
10	2.6	.3	1.3	10.1	8.2	9.1	9.8	8.0	8.7	15.6	13.5	14.1
11	3.5	1.6	2.4	8.9	7.3	7.9	9.8	7.2	8.5	16.1	13.6	14.6
12	3.9	2.7	3.3	8.1	6.3	7.2	9.7	7.6	8.6	16.4	13.9	15.0
13	4.9	2.3	3.7	9.6	6.4	8.0	10.4	7.2	8.8	16.2	14.6	15.2
14	4.8	3.9	4.5	8.8	6.7	7.7	11.2	8.1	9.7	16.6	14.3	15.3
15	5.3	4.1	4.7	7.6	4.9	6.4	12.6	8.9	10.7	15.9	14.5	15.3
16	5.0	3.3	4.2	6.7	5.1	5.7	13.9	10.0	12.0	14.9	13.9	14.3
17	5.0	2.8	3.9	6.4	5.0	5.7	15.0	11.1	13.1	13.9	12.9	13.4
18	4.6	3.6	4.1	8.8	5.2	7.0	15.3	12.3	13.9	13.7	11.4	12.6
19	6.4	4.0	5.0	9.9	6.7	8.3	15.9	12.9	14.3	15.2	13.6	14.4
20	6.7	4.2	5.5	10.3	7.5	9.0	14.0	12.3	13.0	14.8	13.1	14.0
21	7.0	5.8	6.4	11.8	8.9	10.4	12.4	10.4	11.5	13.9	12.3	13.2
22	7.2	5.8	6.4	12.0	10.2	11.1	10.4	8.6	9.6	14.3	12.2	13.2
23	6.4	5.3	5.9	12.0	10.2	11.1	10.9	7.6	9.1	16.0	13.1	14.4
24	6.6	4.4	5.3	11.6	8.9	10.3	13.4	8.9	11.0	17.2	14.7	15.9
25	5.6	4.0	4.8	12.0	9.0	10.6	15.1	10.8	12.9	17.9	15.6	16.5
26	4.8	3.9	4.4	10.8	9.2	10.0	16.1	12.2	14.1	17.6	15.9	16.5
27	5.3	4.0	4.6	10.4	8.1	9.3	15.9	13.1	14.5	18.2	15.7	16.9
28	5.8	4.5	5.2	10.6	7.7	9.1	14.4	13.1	13.7	17.9	15.5	16.6
29	---	---	---	9.6	7.8	8.8	13.6	12.3	12.9	17.2	15.6	16.3
30	---	---	---	11.2	7.8	9.5	13.7	11.7	12.6	18.2	15.6	16.8
31	---	---	---	11.6	8.1	10.0	---	---	---	18.9	15.9	17.2
MONTH	7.2	.0	3.8	12.0	4.6	8.2	16.1	7.2	11.2	18.9	8.3	14.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.5	16.3	17.8	24.3	21.8	22.9	22.1	20.4	21.4	20.6	18.0	19.4
2	18.9	16.6	17.8	22.8	20.4	21.7	22.9	19.9	21.3	20.7	17.2	19.0
3	18.6	16.8	17.6	24.3	20.6	22.4	23.4	20.6	22.0	21.4	17.8	19.5
4	17.7	16.0	16.8	25.3	21.6	23.4	23.8	20.7	22.2	20.6	18.1	19.5
5	18.1	14.3	16.2	25.0	21.8	23.4	24.6	21.3	22.8	20.2	17.2	18.8
6	19.6	15.2	17.4	24.9	22.1	23.6	24.4	21.1	22.9	19.3	17.1	18.4
7	21.2	16.8	19.0	24.8	22.5	23.7	23.5	21.6	22.6	17.6	14.8	16.3
8	22.0	18.0	19.8	25.6	23.0	24.2	23.4	21.2	22.4	16.7	13.9	15.3
9	21.4	17.9	19.7	24.6	22.3	23.5	24.8	21.4	22.9	16.8	13.2	14.9
10	21.9	17.9	19.9	23.6	16.6	21.8	23.2	20.5	21.9	17.0	13.5	15.3
11	21.7	18.0	19.9	23.2	20.4	21.9	23.1	19.9	21.5	18.0	14.2	16.0
12	20.4	17.5	18.9	23.3	20.9	22.1	22.8	19.9	21.4	18.2	15.2	16.8
13	18.3	13.4	15.5	22.3	20.9	21.5	21.9	20.4	21.3	17.9	15.9	16.9
14	15.6	12.0	13.7	21.3	19.3	19.9	---	---	---	19.1	16.1	17.5
15	18.1	13.1	15.5	20.3	17.6	18.9	---	---	---	19.2	16.5	17.8
16	20.3	15.4	17.7	20.9	17.6	19.2	---	---	---	18.7	16.1	17.6
17	21.4	17.1	19.1	21.2	17.9	19.5	22.1	18.6	20.3	18.3	16.3	17.3
18	21.9	17.7	19.9	22.3	18.6	20.3	22.1	19.0	20.6	18.6	16.0	17.2
19	22.4	18.1	20.3	21.9	19.0	20.6	22.0	19.2	20.7	18.1	15.5	16.8
20	22.5	19.0	20.8	22.6	19.0	20.7	21.7	19.6	20.5	18.2	15.2	16.7
21	23.1	19.3	21.3	24.2	20.2	22.1	21.6	18.8	20.3	18.1	15.2	16.7
22	23.4	19.8	21.5	24.4	21.0	22.8	20.8	17.8	19.6	18.3	15.1	16.7
23	23.0	20.0	21.5	23.5	21.6	22.5	19.0	16.5	17.7	18.2	15.1	16.7
24	22.7	20.1	21.4	22.2	20.4	21.1	19.9	17.0	18.5	18.2	15.1	16.7
25	22.7	19.9	21.2	22.7	19.6	21.1	21.5	17.6	19.5	17.9	14.8	16.4
26	21.8	20.1	20.9	21.9	20.5	21.2	21.8	18.4	20.1	17.8	14.8	16.4
27	22.0	19.8	21.0	23.4	20.0	21.5	22.1	18.5	20.3	17.9	14.7	16.4
28	23.7	19.3	21.4	24.0	20.4	22.2	20.8	18.6	19.9	17.7	15.0	16.5
29	24.7	20.9	22.8	24.0	20.7	22.5	20.0	17.7	18.9	17.5	15.4	16.6
30	25.1	21.6	23.4	23.5	20.7	22.0	19.9	17.5	18.8	18.2	15.3	16.7
31	---	---	---	22.8	20.0	21.3	20.3	17.9	19.1	---	---	---
MONTH	25.1	12.0	19.3	25.6	16.6	21.8	---	---	---	21.4	13.2	17.1

09152520 CALLOW CREEK AT WHITEWATER, CO

LOCATION.--Lat 38°59'21", long 108°26'53", in NE$^1/_4$NE$^1/_4$ 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.

PERIOD OF RECORD.--July 2000 to current year. Water-quality data available, August to September 2000. Water-quality data subsequent to September 2000 are available in district office.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,680 ft above sea level, from tropgraphic map.

REMARKS.--Records good except for estimated daily discharges, which are 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	.06	e.00	.00	.00	.00	.00	.08	.00	.01	.04	.09
2	.02	.00	.00	.00	.00	.00	.00	.06	.00	.01	.02	.11
3	.01	.00	.00	.00	.00	.00	.00	.05	.00	.00	.01	.11
4	.04	.00	.00	.00	e.00	.00	.00	.00	.00	.01	.02	.10
5	.01	.00	.00	.00	e.00	.00	.00	.01	.02	.00	.03	.08
6	.06	.00	.00	.00	e.00	.00	.00	.14	.01	.00	.02	.07
7	.19	.00	.00	.00	.00	.00	.00	.05	.02	.01	.02	.08
8	.02	.00	.00	.00	.00	.00	.00	.01	.03	.00	.05	.07
9	.02	.00	e.00	.00	.00	.00	.00	.03	.00	.00	.20	.07
10	.08	.00	e.00	.00	.00	.00	.01	.04	.02	.00	.14	.07
11	.06	.00	.00	.00	.00	.03	.04	.06	.02	.00	.13	.06
12	.03	.00	.00	.00	.00	.00	.01	.06	.01	.00	.06	.05
13	.04	.00	.00	e.00	.00	.00	.00	.06	.01	.00	.04	.63
14	.03	.00	.00	.00	.01	.00	.00	.07	.07	2.4	.07	.13
15	.04	.55	.00	.00	.00	.00	.00	.02	.04	1.8	.09	.05
16	.03	.71	.00	.00	.00	.00	.00	.10	.02	.25	.10	.05
17	.05	.14	.00	.00	.00	.00	.00	.26	.01	.19	.07	.07
18	.14	.00	.00	.00	.00	.00	.00	.38	.00	.11	.07	.09
19	.12	.49	.00	.00	.00	.00	.00	.10	.00	.12	.03	.16
20	.11	2.0	.00	.00	.00	.02	.00	.03	.00	.09	.11	.10
21	.19	2.2	.00	.00	.00	.14	.00	.04	.00	.11	.28	.04
22	.13	1.9	.00	.00	.00	.07	.00	.05	.00	.14	.12	.04
23	.27	1.6	.00	.00	.01	.05	.00	.03	.00	.31	.14	.04
24	.61	1.5	.00	.00	.01	.01	.00	.01	.00	.28	.12	.06
25	.40	1.6	.00	.00	.00	.11	.00	.00	.00	.16	.14	.05
26	.34	2.0	.00	.00	.00	.20	.00	.00	.00	.12	.11	.05
27	.27	.99	.00	.00	.00	.04	.00	.00	.00	.20	.11	.04
28	.09	.00	.00	.00	.00	.00	.02	.00	.00	.10	.10	.04
29	.03	.00	.00	.00	---	.00	.03	.00	.01	.05	.06	.04
30	.16	.00	.00	.00	---	.00	.06	.00	.01	.05	.06	.04
31	4.3	---	.00	.00	---	.00	---	.00	---	.22	.08	---
TOTAL	7.91	15.74	0.00	0.00	0.03	0.67	0.17	1.74	0.30	6.74	2.64	2.68
MEAN	.26	.52	.000	.000	.001	.022	.006	.056	.010	.22	.085	.089
MAX	4.3	2.2	.00	.00	.01	.20	.06	.38	.07	2.4	.28	.63
MIN	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.04
AC-FT	16	31	.00	.00	.06	1.3	.3	3.5	.6	13	5.2	5.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	.26	.52	.000	.000	.001	.022	.006	.056	.010	.22	.047	.056
MAX	.26	.52	.000	.000	.001	.022	.006	.056	.010	.22	.085	.089
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001
MIN	.26	.52	.000	.000	.001	.022	.006	.056	.010	.22	.009	.022
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 2000 - 2001	
ANNUAL TOTAL			38.62			
ANNUAL MEAN			.11			
HIGHEST ANNUAL MEAN					.11	2001
LOWEST ANNUAL MEAN					.11	2001
HIGHEST DAILY MEAN	4.3	Oct 31	4.3	Oct 31	4.3	Oct 31 2000
LOWEST DAILY MEAN	.00	Jul 22	.00	Nov 2	a.00	Jul 22 2000
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 22	.00	Nov 2	.00	Jul 22 2000
MAXIMUM PEAK FLOW			b111	Jul 14	b111	Jul 14 2001
MAXIMUM PEAK STAGE			3.87	Jul 14	3.87	Jul 14 2001
ANNUAL RUNOFF (AC-FT)			77		77	
10 PERCENT EXCEEDS	.27		.15		.14	
50 PERCENT EXCEEDS	.00		.00		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated.
a No flow many days each year.
b From rating curve extended above 2.15 ft^3/s.

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 poor. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3280	4130	3020	2830	2430	2610	2960	6320	9920	3600	2530	3510
2	3200	3970	3020	2890	2470	2520	2940	6660	9910	3470	2650	3670
3	3090	3870	2850	2800	2420	2570	2710	7660	10400	3340	2800	3610
4	2910	3770	2890	2680	2520	2550	2940	7730	10200	3090	3340	3500
5	2900	3620	2820	2680	2550	2520	3100	6960	9260	2900	3240	3390
6	3140	3880	2860	2720	2570	2530	3360	6660	7900	2810	3170	3330
7	3240	3850	2830	2650	2570	2560	3410	6200	7240	2730	3040	3240
8	3200	3530	2900	2620	2760	2530	3500	5820	7520	2750	3470	3280
9	3160	3180	2900	2440	2690	2760	3470	5390	7750	2810	4010	3460
10	3150	3250	2910	2330	2550	2780	3190	5400	7680	2960	4200	3690
11	3170	3230	3060	2560	2480	3000	3080	5970	7720	3700	3830	3760
12	3340	3170	3040	2670	2490	3130	3090	6470	7440	3330	3450	3730
13	3390	3150	2950	2780	2530	2950	3120	7590	7050	3000	3200	3730
14	3410	3060	2920	2770	2560	2630	3120	8900	6710	3080	e3600	3960
15	3420	2940	2990	2670	2610	2670	2830	10800	6250	4220	e3600	3890
16	3520	2940	3010	2570	2590	2630	2690	11300	5400	4940	e3500	3670
17	3470	3020	2940	2340	2580	2670	2530	12200	4880	4740	e3400	3670
18	3480	2950	2690	2250	2490	2650	2510	13000	4560	4060	e3400	3780
19	3370	2810	2650	2350	2500	2670	2770	12600	4550	3460	e3350	4000
20	3310	2930	2700	2370	2550	2650	3360	12800	4400	2940	e3320	4010
21	3230	3100	2630	2490	2620	2660	4180	12500	4380	2770	e3700	3890
22	3280	2970	2840	2510	2640	2760	4290	11500	4290	2540	e4600	3700
23	3330	3160	2890	2560	2680	2840	3870	9680	4320	2250	e4300	3440
24	3620	3180	2920	2650	2730	3240	3520	8990	4110	2170	4430	3310
25	3770	3080	3050	2650	2600	3320	3030	9460	4020	2110	4150	3290
26	3810	3030	2950	2700	2550	3380	2860	10100	4170	2100	3940	3080
27	3760	3060	2930	2660	2560	3380	3180	10200	4260	2560	3730	2950
28	3710	3050	2700	2630	2590	3360	4040	9890	4710	2610	3510	2890
29	3730	3090	2650	2640	---	3260	5370	10600	4420	2600	3270	2890
30	3770	3060	2650	2580	---	3120	6140	10400	3880	2460	3160	2820
31	4040	---	2710	2470	---	2960	---	9790	---	2350	3260	---
TOTAL	105200	98030	88870	80510	71880	87860	101160	279540	189300	94450	109150	105140
MEAN	3394	3268	2867	2597	2567	2834	3372	9017	6310	3047	3521	3505
MAX	4040	4130	3060	2890	2760	3380	6140	13000	10400	4940	4600	4010
MIN	2900	2810	2630	2250	2420	2520	2510	5390	3880	2100	2530	2820
AC-FT	208700	194400	176300	159700	142600	174300	200700	554500	375500	187300	216500	208500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

MEAN	4032	4049	3623	3396	3462	3911	5917	14230	17230	7844	3967	3714
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1951 - 2001	
ANNUAL TOTAL	1651800		1411090			
ANNUAL MEAN	4513		3866		6313	
HIGHEST ANNUAL MEAN					13470	1984
LOWEST ANNUAL MEAN					2559	1977
HIGHEST DAILY MEAN	17000	May 31	13000	May 18	68300	May 27 1984
LOWEST DAILY MEAN	2560	Jan 31	2100	Jul 26	960	Sep 7 1956
ANNUAL SEVEN-DAY MINIMUM	2700	Jul 22	2330	Jul 22	1110	Sep 2 1956
MAXIMUM PEAK FLOW			13200	May 18	a69800	May 27 1984
MAXIMUM PEAK STAGE			7.33	May 18	b16.12	May 27 1984
ANNUAL RUNOFF (AC-FT)	3276000		2799000		4573000	
10 PERCENT EXCEEDS	8320		6680		13800	
50 PERCENT EXCEEDS	3330		3160		4010	
90 PERCENT EXCEEDS	2830		2550		2290	

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. 1-30, Dec 18 to Feb 6, which are fair, and the period Aug 4-8, which is 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: 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/cm Aug. 13, 1981; minimum, 277 microsiemens/cm June 11, 1985.
WATER TEMPERATURE: Maximum, 27.4°C July 8, 2001; minimum, -0.3°C on several days in Dec. 1996 and Jan. 1997.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,330 microsiemens/cm, Jan. 20; minimum, 440 microsiemens/cm, May 18.
WATER TEMPERATURE: Maximum, 27.4°C, July 8; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
OCT													
30...	1020	3820	1190	8.3	11.3	9.3	385	102	31.4	88.6	1.97	3.75	172
NOV													
28...	1300	3070	1240	8.6	3.6	13.0	383	99.3	32.8	105	2.34	3.79	177
DEC													
18...	1140	2760	1230	8.6	1.0	13.9	375	97.9	31.8	111	2.50	3.51	166
JAN													
11...	1110	2400	1280	8.3	1.0	12.9	364	95.0	30.7	114	2.60	3.96	207
FEB													
06...	1020	2590	1250	8.4	2.4	11.8	348	90.5	29.6	118	2.74	3.91	184
MAR													
08...	1100	2550	1220	8.2	8.0	9.8	323	84.0	27.4	112	2.72	3.90	183
APR													
03...	1110	2750	1050	8.2	12.5	8.9	300	77.9	25.7	91.9	2.31	3.63	167
MAY													
08...	1130	5910	751	8.0	15.0	8.3	246	66.1	19.7	52.4	1.45	2.64	132
JUN													
14...	1100	6930	663	8.3	14.5	8.7	231	64.4	16.9	44.5	1.28	2.39	98
JUL													
09...	1330	2920	1100	8.2	26.0	7.8	376	101	29.8	86.0	1.93	3.76	157
AUG													
14...	1245	3740	1190	8.2	23.1	7.4	423	116	32.4	89.0	1.88	4.09	176
SEP													
10...	1500	3780	1130	8.5	17.3	9.8	398	108	31.5	85.6	1.87	3.38	--

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKALINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, 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 CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT													
30...	6	160	151	321	83.4	.4	8.5	784	733	1.1	8090	.009	.586
NOV													
28...	6	160	155	307	108	.4	8.0	808	760	1.1	6700	.011	.606
DEC													
18...	10	166	152	297	117	.4	8.4	792	762	1.1	5910	.013	.674
JAN													
11...	--	174	170	282	131	.4	8.2	814	770	1.1	5270	.021	.739
FEB													
06...	3	165	156	269	132	.4	5.3	790	744	1.1	5520	.011	.473
MAR													
08...	--	155	150	257	130	.3	5.7	756	712	1.0	5210	.010	.374
APR													
03...	--	148	137	233	96.8	.3	7.9	670	621	.9	4970	.012	.419
MAY													
08...	--	122	108	182	42.9	.2	9.9	496	443	.7	7910	.014	.513
JUN													
14...	--	108	88	156	41.9	.3	6.6	420	382	.6	7860	.006	.327
JUL													
09...	--	145	129	296	82.4	.3	7.4	764	687	1.0	6020	.027	.596
AUG													
14...	--	162	144	332	85.7	.4	12.5	814	763	1.1	8220	.021	1.10
SEP													
10...	--	147	--	320	80.4	.4	8.7	780	727	1.1	7960	.018	.527

DATE	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC DIS-SOLVED (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 DIS-SOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)	SELENIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT										
30...	<.041	--	.46	.20	.085	.008	<.018	<10	6.8	5.5
NOV										
28...	<.041	--	.24	.16	.019	<.006	<.018	<10	19.1	5.2
DEC										
18...	<.041	--	.23	.16	.014	E.004	<.018	<10	25.2	5.3
JAN										
11...	<.041	--	.24	.18	.015	E.003	<.018	10	38.0	4.8
FEB										
06...	<.041	--	.37	.18	.019	E.005	<.018	<10	41.2	5.2
MAR										
08...	.077	.175	.68	.25	.101	.010	<.018	M	29.9	4.2
APR										
03...	E.037	--	.47	.29	.086	.014	<.018	M	15.0	4.3
MAY										
08...	<.041	--	.90	.32	.235	.032	.040	M	4.4	3.7
JUN										
14...	<.040	--	.39	.20	.082	.018	<.020	M	E2.8	2.9
JUL										
09...	E.031	--	.54	.26	.128	.020	<.020	<10	<3.0	5.1
AUG										
14...	E.037	--	1.1	.23	.425	.035	.024	<10	<3.0	5.2
SEP										
10...	<.040	--	.36	.21	.068	.009	<.020	<10	4.9	5.4

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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							
30...	1020	3820	11.3	63	646	--	3039
30...	1100	3740	11.3	69	694	--	3009
NOV							
28...	1230	3070	3.6	14	117	--	3009
28...	1300	3070	3.6	8	63	--	3039
DEC							
18...	1110	2760	1.0	9	66	--	3009
18...	1140	2760	1.0	8	61	--	3039
JAN							
11...	1040	2300	1.0	27	169	--	3009
11...	1110	2400	1.0	8	54	--	3039
FEB							
06...	1000	2590	2.4	7	48	--	3009
06...	1020	2590	2.4	4	25	--	3039
MAR							
08...	1040	2550	8.0	149	1030	--	3009
08...	1100	2550	8.0	192	1320	--	3039
APR							
03...	1040	2790	12.5	91	684	--	3009
03...	1110	2750	12.5	74	549	--	3039
MAY							
08...	1100	5930	15.0	344	5510	92	3009
08...	1130	5910	15.0	256	4080	--	3039
JUN							
14...	1030	6930	14.5	78	1460	79	3009
14...	1100	6930	14.5	59	1100	--	3039
JUL							
09...	1300	2920	26.0	120	945	--	3009
09...	1330	2920	26.0	95	751	--	3039
AUG							
14...	1100	3780	23.1	524	5350	--	3009
14...	1245	3740	23.1	593	5990	--	3039
SEP							
10...	1425	3800	17.3	43	439	--	3009
10...	1500	3780	17.3	51	525	--	3039

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1150	1090	1120	1220	1190	1200	1200	1190	1200	1230	1190	1210
2	1170	1140	1160	1210	1190	1200	1200	1190	1200	1220	1200	1210
3	1180	1150	1170	1210	1190	1200	1230	1200	1210	1220	1160	1190
4	1190	1180	1180	1210	1200	1200	1210	1170	1190	1190	1150	1170
5	1220	1190	1200	1200	1200	1200	1270	1210	1230	1190	1160	1180
6	---	---	---	1200	1180	1190	1300	1230	1260	1200	1170	1180
7	---	---	---	1180	1170	1170	1300	1260	1290	1230	1180	1200
8	---	---	---	1180	1170	1180	1300	1280	1290	1240	1200	1220
9	1240	1220	1230	1210	1180	1200	1310	1250	1290	1270	1210	1250
10	1240	1230	1230	1250	1210	1230	1260	1240	1250	1280	1250	1270
11	1240	1220	1220	1280	1250	1270	1280	1250	1260	1280	---	---
12	1220	1220	1220	1280	1270	1280	1260	1250	1250	1270	---	---
13	1220	1210	1220	1280	1260	1270	1260	1230	1250	1250	1230	1240
14	1220	1210	1220	1280	1270	1280	1240	1210	1220	1230	1150	1180
15	1210	1200	1210	1280	1270	1270	1240	1210	1220	1200	1150	1180
16	1200	1190	1200	1270	1260	1270	1250	1220	1240	1200	---	---
17	1200	1190	1200	1300	1260	1270	1230	1200	1220	1220	---	---
18	1200	1190	1190	1310	1300	1300	1230	1200	1220	1240	---	---
19	1210	1190	1200	1310	1270	1290	1230	1190	1210	1280	---	---
20	1220	1200	1210	1280	1250	1260	1270	---	---	1330	1240	1270
21	1220	1210	1220	1280	1260	1270	1270	---	---	1280	1240	1250
22	1240	1220	1240	1280	1260	1280	1280	---	---	1290	1250	1280
23	1240	1230	1240	1270	1240	1250	1280	---	---	1310	1230	1280
24	1240	1220	1230	1250	1230	1240	1250	1180	1210	1270	1180	1230
25	1230	1220	1230	1240	1220	1230	1200	1180	1190	1250	1210	1230
26	1220	1210	1220	1230	1210	1220	1190	1150	1170	1260	1190	1220
27	1230	1200	1210	1230	1210	1220	1170	1130	1150	1220	1180	1200
28	1210	1200	1210	1240	1210	1230	1180	1160	1170	1210	1190	1200
29	1210	1200	1200	1220	1200	1210	1170	1150	1160	1210	1180	1200
30	1220	1190	1200	1230	1200	1210	1200	1170	1180	1220	1200	1210
31	1220	1200	1210	---	---	---	1230	1200	1210	1220	1200	1210
MONTH	---	---	---	1310	1170	1240	1310	---	---	1330	---	---

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 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1220	1200	1210	1190	1160	1180	1090	986	1030	680	548	644
2	1220	1200	1210	1200	1180	1190	1030	1020	1020	638	603	623
3	1220	1210	1210	1210	1190	1200	1090	1010	1040	603	561	576
4	1220	1190	1210	1210	1200	1210	1060	1030	1040	568	535	551
5	1240	1200	1230	1210	1180	1190	1090	1030	1050	613	565	587
6	1230	1190	1210	1200	1180	1180	1030	1000	1020	654	612	630
7	1210	1180	1200	1200	1190	1190	1000	970	989	723	654	694
8	1190	1170	1180	1200	1190	1190	974	952	964	752	723	744
9	1180	1160	1170	1220	1170	1190	990	971	983	756	744	749
10	1190	1170	1180	1190	1150	1170	988	969	977	771	756	761
11	1220	1190	1210	1160	1100	1120	992	983	988	773	745	762
12	1210	1170	1190	1150	1090	1110	1000	991	996	745	700	714
13	1190	1170	1180	1150	1080	1110	1020	995	1010	700	628	661
14	1210	1180	1200	1180	1140	1160	1040	1010	1030	628	556	594
15	1200	1160	1180	1180	1150	1160	1040	1010	1020	556	470	511
16	1170	1160	1170	1210	1150	1190	1020	1010	1020	480	463	472
17	1180	1170	1170	1210	1170	1190	1060	1020	1040	479	455	468
18	1170	1140	1160	1170	1080	1120	1060	1050	1060	455	440	449
19	1150	1140	1140	1120	1090	1100	1060	1040	1050	460	442	453
20	1160	1140	1150	1160	1120	1150	1050	934	993	462	455	458
21	1160	1150	1160	1150	1130	1140	934	842	885	467	456	461
22	1170	1150	1160	1160	1120	1130	842	781	799	476	459	469
23	1160	1140	1150	1170	1120	1140	782	773	777	521	476	498
24	1190	1150	1170	1120	1090	1100	816	780	793	552	521	538
25	1180	1150	1170	1110	1040	1080	884	816	853	553	534	547
26	1170	1140	1160	1060	1020	1030	913	884	901	534	512	519
27	1180	1160	1170	1060	993	1010	923	896	908	512	501	503
28	1190	1170	1180	1000	989	998	922	862	897	512	493	501
29	---	---	---	1010	987	996	862	752	791	515	500	510
30	---	---	---	1000	976	989	753	679	710	500	485	493
31	---	---	---	987	974	980	---	---	---	509	491	499
MONTH	1240	1140	1180	1220	974	1130	1090	679	954	773	440	569

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	512	501	508	959	919	943	1240	1200	1210	1180	1150	1170
2	519	503	511	986	954	972	1230	1210	1220	1150	1120	1140
3	515	498	505	1010	980	998	1220	1180	1210	1130	1120	1120
4	505	489	497	1040	1010	1020	1180	1110	1150	1130	1110	1120
5	525	496	506	1060	1030	1050	1110	1050	1080	1140	1120	1130
6	572	525	547	1090	1060	1080	1060	999	1030	1150	1120	1140
7	614	572	594	1100	1070	1090	999	970	980	1140	1130	1130
8	619	608	614	1100	1080	1090	976	947	967	1140	1130	1130
9	608	585	593	1130	1050	1100	---	---	---	1130	1110	1120
10	587	575	579	1140	1130	1130	---	---	---	1110	1090	1100
11	580	569	576	1150	1010	1070	---	---	---	1090	1070	1080
12	591	578	584	1050	989	1030	---	---	---	1080	1060	1070
13	607	584	599	1060	1030	1040	---	---	---	1080	1070	1080
14	---	607	---	1130	1040	1060	---	---	---	1130	1070	1100
15	---	---	---	1240	984	1130	---	---	---	1110	1080	1090
16	---	---	---	1210	1070	1110	---	---	---	1110	1080	1100
17	---	---	---	1100	955	1000	---	---	---	1250	1100	1130
18	---	---	---	988	925	949	---	---	---	1170	1110	1130
19	---	---	---	1020	884	960	---	---	---	1130	1110	1120
20	---	---	---	1090	1010	1050	---	---	---	1130	1110	1120
21	---	---	---	1130	1090	1110	---	---	---	1130	1100	1110
22	885	860	878	1160	1120	1140	---	---	---	1120	1100	1110
23	876	860	869	1160	1140	1150	---	---	---	1110	1090	1100
24	886	862	873	1180	1120	1160	1280	1130	1210	1130	1100	1120
25	895	867	884	1160	1120	1140	1210	1130	1160	1150	1130	1140
26	925	887	909	1160	1130	1150	1140	1130	1130	1160	1140	1150
27	925	902	916	1190	1130	1150	1140	1130	1140	1190	1150	1160
28	913	877	899	1180	1140	1160	1160	1140	1150	1170	1160	1170
29	895	873	884	1220	1160	1200	1170	1140	1160	1180	1170	1180
30	926	895	914	1200	1100	1150	---	---	---	1180	1160	1170
31	---	---	---	1210	1150	1180	1180	1170	1170	---	---	---
MONTH	---	---	---	1240	884	1080	---	---	---	1250	1060	1120

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.7	16.0	16.9	9.8	8.9	9.3	3.5	2.5	2.9	1.1	.0	.5
2	17.7	15.9	16.9	9.1	8.2	8.6	3.1	2.2	2.6	1.1	.0	.5
3	17.7	16.2	17.0	8.3	7.0	7.7	2.6	1.7	2.2	1.0	.0	.4
4	17.6	16.2	16.9	7.8	6.8	7.3	2.4	1.3	1.8	.8	.0	.3
5	17.4	15.7	16.5	8.1	7.4	7.7	2.3	1.2	1.8	.8	.0	.3
6	16.4	14.5	15.5	7.5	6.4	7.2	2.3	1.2	1.7	1.0	.0	.4
7	15.8	13.8	14.8	6.4	4.6	5.5	2.5	1.3	1.9	.9	.0	.3
8	15.2	13.5	14.4	4.6	3.5	4.0	2.2	1.4	1.9	.6	.0	.2
9	15.3	13.6	14.4	5.0	3.6	4.2	3.1	2.1	2.6	.2	.0	.0
10	14.8	13.8	14.2	4.6	4.3	4.4	3.7	2.6	3.1	.6	.0	.2
11	14.0	12.9	13.4	4.7	4.2	4.5	3.2	2.3	2.7	---	---	---
12	13.7	12.1	12.9	4.2	3.3	3.7	3.0	2.6	2.8	---	---	---
13	12.9	11.7	12.4	3.6	2.5	3.1	2.8	2.2	2.5	2.3	.4	1.4
14	13.0	11.4	12.2	2.7	1.7	2.2	2.7	2.1	2.4	1.9	1.0	1.5
15	12.6	10.9	11.8	2.8	1.3	2.0	2.6	1.9	2.2	1.0	.0	.5
16	12.4	10.8	11.6	2.6	1.2	1.9	2.2	1.4	1.8	.8	.0	.3
17	12.4	10.7	11.6	2.2	.9	1.6	1.7	.8	1.3	.4	.0	.1
18	12.4	10.8	11.5	1.6	.4	1.0	.8	.0	.3	.0	.0	.0
19	12.4	10.8	11.5	1.0	.0	.5	.1	.0	.0	.0	.0	.0
20	12.5	10.8	11.6	1.0	.0	.4	.2	.0	.0	.7	.0	.2
21	12.1	10.9	11.5	1.2	.1	.7	.0	.0	.0	.5	.0	.2
22	12.4	11.1	11.7	1.9	.7	1.2	.0	.0	.0	.4	.0	.1
23	12.1	11.5	11.8	2.7	1.3	1.9	.5	.0	.1	1.0	.0	.3
24	11.7	11.3	11.5	2.9	1.7	2.3	.7	.0	.3	1.0	.0	.4
25	11.9	10.8	11.3	3.8	2.4	3.0	1.5	.2	.9	1.5	.3	.9
26	11.6	10.2	10.9	3.9	2.8	3.3	.9	.0	.4	1.5	.7	1.0
27	11.3	10.6	10.9	4.1	3.2	3.5	.8	.0	.2	2.0	1.0	1.4
28	11.6	10.9	11.1	3.7	2.8	3.2	1.0	.0	.4	2.0	1.3	1.7
29	11.3	10.3	10.8	3.7	2.6	3.1	.8	.0	.3	2.6	1.3	1.9
30	11.5	10.7	11.0	3.7	2.7	3.2	1.0	.0	.4	2.1	.8	1.5
31	10.9	9.8	10.2	---	---	---	1.1	.0	.4	1.7	.5	1.1
MONTH	17.7	9.8	12.9	9.8	.0	3.7	3.7	.0	1.4	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.7	.0	.8	6.5	4.8	5.5	13.6	11.0	12.2	16.2	15.1	15.7
2	2.0	.6	1.2	7.2	5.0	6.0	13.7	12.3	13.0	16.1	13.6	14.9
3	2.4	.7	1.5	7.9	6.0	6.8	13.5	12.2	12.8	13.6	12.1	12.5
4	2.7	.8	1.7	8.1	5.7	6.8	14.4	12.6	13.3	12.4	11.3	11.8
5	3.4	1.4	2.3	7.6	6.2	6.9	13.8	12.0	12.6	12.6	11.1	11.9
6	3.7	2.0	2.8	8.1	6.2	7.1	12.4	11.4	11.9	13.6	11.9	12.7
7	5.0	3.1	3.8	8.5	7.4	7.9	11.6	9.9	10.5	14.9	12.7	13.7
8	5.5	4.3	4.7	9.3	6.7	8.0	11.1	9.6	10.4	16.3	14.1	15.2
9	4.4	2.1	2.9	9.6	7.8	8.7	11.6	9.3	10.4	17.1	15.3	16.2
10	2.4	1.0	1.7	9.9	8.3	9.1	11.1	10.1	10.5	17.6	16.2	16.9
11	2.7	1.1	1.8	9.5	8.6	9.0	11.3	8.6	9.9	17.9	16.2	17.1
12	2.6	1.6	2.1	9.4	7.7	8.5	10.7	9.7	10.1	18.1	16.5	17.3
13	4.2	1.9	2.8	10.3	7.9	9.0	11.5	9.0	10.1	18.0	16.8	17.3
14	4.6	3.4	4.0	9.4	7.7	8.6	12.7	10.3	11.4	18.0	16.2	17.1
15	5.8	4.0	4.7	8.9	6.6	7.7	13.8	10.9	12.2	17.8	16.1	17.0
16	5.1	3.6	4.4	7.9	7.0	7.4	15.1	11.8	13.3	17.0	15.3	16.1
17	5.5	3.4	4.4	8.2	6.4	7.3	16.2	13.2	14.6	16.2	14.7	15.3
18	5.1	4.2	4.6	9.2	6.5	7.7	16.4	14.3	15.4	15.4	13.6	14.5
19	6.3	4.1	5.0	10.5	7.6	8.9	17.1	14.7	15.8	15.7	13.7	14.7
20	6.7	4.6	5.7	11.5	8.7	10.0	16.5	14.4	15.1	16.2	14.4	15.3
21	7.8	5.8	6.6	12.7	10.1	11.4	14.4	13.0	13.6	15.3	13.7	14.5
22	7.9	6.2	6.9	13.8	11.5	12.4	13.0	11.8	12.6	15.3	12.9	14.2
23	7.3	5.9	6.5	14.0	11.7	12.8	13.4	10.7	12.0	16.5	13.7	15.1
24	6.4	5.0	5.7	14.3	12.1	13.1	14.8	11.7	13.1	17.7	15.0	16.4
25	7.1	5.6	6.2	13.6	12.0	12.8	16.2	12.9	14.4	17.8	16.1	17.2
26	6.6	4.7	5.3	12.5	11.6	12.0	17.6	14.4	15.8	17.9	16.1	17.2
27	6.2	4.7	5.2	13.1	11.0	11.9	18.4	15.6	16.9	17.7	15.8	16.7
28	5.5	4.8	5.1	12.2	10.7	11.5	18.8	16.2	17.3	17.1	15.9	16.6
29	---	---	---	12.3	10.6	11.3	17.6	15.8	16.5	17.6	15.6	16.7
30	---	---	---	12.6	10.4	11.4	16.4	14.7	15.7	17.7	15.5	16.7
31	---	---	---	12.7	10.1	11.4	---	---	---	18.2	16.0	17.1
MONTH	7.9	.0	3.9	14.3	4.8	9.3	18.8	8.6	13.1	18.2	11.1	15.5

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.6	16.3	17.6	24.8	23.3	24.0	24.8	21.9	23.3	22.0	20.0	21.0
2	18.2	16.5	17.5	23.3	21.7	22.5	25.1	22.2	23.6	22.3	20.3	21.2
3	18.0	16.2	17.1	25.1	21.8	23.3	25.6	23.1	24.2	22.1	20.0	21.0
4	17.3	15.6	16.5	26.4	23.6	24.9	25.3	22.7	24.0	21.4	20.1	20.7
5	16.9	14.8	15.9	26.6	23.7	25.0	25.9	23.8	24.7	21.5	19.4	20.5
6	18.2	15.5	16.8	26.8	24.1	25.3	25.8	23.7	24.7	21.0	19.3	20.2
7	19.7	17.0	18.3	26.6	24.3	25.4	24.6	23.2	24.0	19.3	17.5	18.3
8	20.3	18.0	19.3	27.4	24.2	25.6	23.8	22.7	23.1	18.8	16.7	17.7
9	20.9	18.7	19.9	27.2	23.7	25.4	24.4	21.8	23.1	17.7	15.4	16.6
10	20.7	19.0	20.0	26.0	23.9	24.9	24.0	22.9	23.4	18.0	15.4	16.6
11	20.1	18.6	19.4	25.3	22.1	23.9	23.9	22.4	23.2	18.5	16.1	17.2
12	19.9	17.9	18.7	25.2	22.7	23.9	24.9	22.3	23.5	18.8	16.8	17.8
13	18.3	15.8	16.8	24.5	22.6	23.4	24.1	22.0	22.9	19.4	17.8	18.5
14	16.5	13.9	14.8	22.6	21.5	22.1	---	---	---	19.6	17.8	18.6
15	---	---	---	22.7	20.2	21.5	---	---	---	19.8	17.8	18.8
16	---	---	---	22.1	20.3	21.3	---	---	---	20.1	18.0	19.0
17	---	---	---	21.8	20.2	21.1	---	---	---	20.4	18.3	19.2
18	---	---	---	22.5	20.5	21.5	---	---	---	19.4	17.5	18.4
19	---	---	---	23.4	20.9	22.1	---	---	---	19.2	17.4	18.3
20	---	---	---	24.2	21.7	22.9	---	---	---	19.2	17.1	18.1
21	---	---	---	24.2	22.1	23.1	---	---	---	19.0	16.9	18.0
22	23.0	21.4	22.0	24.5	21.8	23.2	---	---	---	19.1	17.0	18.0
23	23.1	21.0	22.0	23.9	22.1	23.1	21.1	---	---	19.1	16.8	17.9
24	23.2	21.2	22.1	23.3	22.1	22.6	20.7	19.4	20.1	18.8	16.8	17.8
25	22.5	21.7	22.2	24.1	21.7	22.8	22.2	19.5	20.7	18.7	16.7	17.7
26	22.0	20.6	21.1	24.2	22.5	23.3	22.6	20.4	21.5	18.7	16.6	17.6
27	22.4	19.7	20.9	24.4	21.5	22.9	22.9	20.7	21.8	18.7	16.5	17.6
28	23.4	20.9	22.1	24.6	22.0	23.3	23.1	21.1	22.1	18.3	16.5	17.4
29	24.3	22.0	23.1	24.9	22.4	23.6	22.6	21.0	21.7	18.6	16.5	17.5
30	25.2	22.5	23.8	24.7	22.6	23.7	22.1	20.3	21.2	18.8	16.6	17.7
31	---	---	---	24.0	22.0	23.1	22.2	20.0	21.0	---	---	---
MONTH	---	---	---	27.4	20.2	23.4	---	---	---	22.3	15.4	18.5

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 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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Greatest flood since at least 1885 occurred Oct. 5, 1911.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	35	e25	e21	e21	e21	e60	524	667	108	107	43
2	26	32	e24	e21	e21	e21	e67	581	670	106	121	42
3	24	34	e23	e21	e21	e21	e76	459	645	103	91	41
4	24	30	e23	e21	e21	e21	e82	323	576	112	118	40
5	29	34	e23	e21	e21	e21	e97	269	465	106	109	36
6	30	32	e22	e21	e21	e22	e106	233	458	92	90	34
7	26	27	e22	e21	e21	e22	e94	234	490	87	111	31
8	28	e28	e22	e21	e22	e22	e84	284	483	83	151	30
9	32	e28	e22	e21	e23	e27	e80	344	465	92	161	28
10	31	e28	e22	e21	e23	e29	e72	403	450	97	180	27
11	41	e28	e22	e21	e24	e31	e74	515	402	101	157	27
12	55	e30	e22	e21	e24	e31	e69	616	360	100	121	27
13	42	e27	e22	e21	e24	e31	e61	698	319	95	111	27
14	32	e25	e22	e21	e24	e31	e73	841	272	104	124	31
15	29	e23	e21	e21	e24	e31	e78	840	229	105	102	27
16	27	e23	e20	e21	e24	e31	e83	833	215	88	87	27
17	25	e24	e19	e21	e24	e31	e131	811	218	76	81	39
18	26	e25	e18	e21	e22	e31	e159	781	217	69	69	38
19	26	e25	e17	e21	e22	e32	e204	793	207	67	65	29
20	24	e26	e17	e21	e21	e29	e282	789	198	64	66	27
21	25	e27	e17	e21	e21	e35	e264	732	185	61	76	25
22	26	e28	e18	e21	e21	e40	e204	642	175	58	76	25
23	45	e28	e20	e21	e20	e48	e183	661	168	55	85	24
24	52	e28	e21	e21	e21	e54	e168	733	149	61	68	22
25	42	e28	e21	e21	e21	e62	e177	741	148	59	59	21
26	36	e28	e21	e21	e21	e64	e224	751	145	60	54	22
27	40	e26	e21	e21	e21	e68	270	785	134	56	49	20
28	43	e26	e21	e21	e21	e62	354	765	119	50	47	20
29	41	e26	e21	e21	---	e60	375	683	119	47	48	21
30	38	e25	e21	e21	---	e53	434	632	113	50	45	20
31	37	---	e21	e21	---	e53	---	648	---	83	45	---
TOTAL	1031	834	651	651	615	1135	4685	18944	9461	2495	2874	871
MEAN	33.3	27.8	21.0	21.0	22.0	36.6	156	611	315	80.5	92.7	29.0
MAX	55	35	25	21	24	68	434	841	670	112	180	43
MIN	24	23	17	21	20	21	60	233	113	47	45	20
AC-FT	2040	1650	1290	1290	1220	2250	9290	37580	18770	4950	5700	1730

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2001, BY WATER YEAR (WY)

MEAN	43.9	29.3	21.7	18.7	18.5	31.4	129	458	551	170	83.1	62.0
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1952 - 2001	
ANNUAL TOTAL	34049		44247			
ANNUAL MEAN	93.0		121		135	
HIGHEST ANNUAL MEAN					230	1957
LOWEST ANNUAL MEAN					40.1	1977
HIGHEST DAILY MEAN	730	May 24	841	May 14	1810	Jun 10 1952
LOWEST DAILY MEAN	e14	Jan 4	e17	Dec 19	4.8	Nov 29 1989
ANNUAL SEVEN-DAY MINIMUM	15	Jan 23	18	Dec 16	6.3	Dec 11 1989
MAXIMUM PEAK FLOW			923	May 15	a2170	May 24 1984
MAXIMUM PEAK STAGE			4.93	May 15	b5.95	May 24 1984
ANNUAL RUNOFF (AC-FT)	67540		87760		97750	
10 PERCENT EXCEEDS	320		402		403	
50 PERCENT EXCEEDS	31		35		40	
90 PERCENT EXCEEDS	15		21		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 good 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	97	e61	e42	e34	e48	185	1780	1400	232	201	146
2	58	91	e62	e42	e39	e45	247	2040	1400	239	236	138
3	54	87	e57	e42	e40	e45	273	1780	1310	225	217	132
4	54	87	e55	e43	e40	e45	325	1280	1190	231	241	128
5	60	97	e60	e43	e42	e49	331	1090	970	235	230	127
6	67	85	e55	e43	e43	e51	305	928	894	211	212	127
7	63	71	e55	e43	e43	e52	252	872	934	192	216	121
8	61	72	e58	e43	e43	e58	227	986	922	181	342	117
9	65	e72	e58	e44	e44	e68	195	1290	885	175	443	114
10	73	e73	e55	e43	e44	e73	231	1450	884	174	445	106
11	78	e74	e51	e43	e44	e70	210	1670	802	196	429	100
12	98	e71	e53	e43	e44	e71	206	2070	721	173	329	96
13	92	e54	e52	e43	e43	e70	174	2240	634	194	300	97
14	79	e56	e50	e43	e42	71	211	2760	556	186	316	99
15	71	e56	e47	e42	e42	72	237	2720	478	195	299	102
16	66	e56	e40	e41	e42	72	310	2730	435	175	237	96
17	64	e58	e35	e40	e43	80	460	2540	428	151	232	108
18	64	e59	e37	e38	e44	63	672	2300	427	135	205	121
19	63	e51	e32	e38	e44	72	895	2370	406	124	184	109
20	62	e54	e44	e39	e44	85	931	2280	391	121	184	99
21	60	e57	e44	e40	e44	102	804	2260	371	112	188	93
22	69	e64	e45	e40	e43	126	632	1780	358	104	197	92
23	87	e62	e46	e40	e43	155	508	1730	339	98	232	91
24	152	e56	e45	e40	e42	159	548	1840	314	96	196	89
25	124	e61	e44	e39	e40	168	677	1890	306	97	172	84
26	99	e57	e43	e38	e44	186	943	1860	298	92	159	85
27	93	e60	e42	e39	e46	197	1120	1910	312	118	151	84
28	114	e60	e43	e39	e49	174	1300	1900	259	123	146	84
29	113	e60	e42	e39	---	156	1410	1690	250	110	150	83
30	101	e63	e43	e38	---	143	1550	1400	259	104	139	83
31	106	---	e43	e37	---	151	---	1400	---	135	155	---
TOTAL	2477	2021	1497	1267	1195	2977	16369	56836	19133	4934	7383	3151
MEAN	79.9	67.4	48.3	40.9	42.7	96.0	546	1833	638	159	238	105
MAX	152	97	62	44	49	197	1550	2760	1400	239	445	146
MIN	54	51	32	37	34	45	174	872	250	92	139	83
AC-FT	4910	4010	2970	2510	2370	5900	32470	112700	37950	9790	14640	6250

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 2001, BY WATER YEAR (WY)

MEAN	134	84.4	59.1	52.5	56.6	130	748	1754	1368	409	240	182
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1896 - 2001	
ANNUAL TOTAL	112993		119240			
ANNUAL MEAN	309		327		436	
HIGHEST ANNUAL MEAN					790	1942
LOWEST ANNUAL MEAN					87.0	1977
HIGHEST DAILY MEAN	2410	May 5	2760	May 14	6950	May 5 1922
LOWEST DAILY MEAN	e32	Dec 19	e32	Dec 19	8.0	Aug 16 1896
ANNUAL SEVEN-DAY MINIMUM	40	Dec 16	38	Jan 26	12	Aug 10 1896
MAXIMUM PEAK FLOW			3190	May 16	a10000	Oct 5 1911
MAXIMUM PEAK STAGE			5.26	May 16	10.20	Oct 5 1911
ANNUAL RUNOFF (AC-FT)	224100		236500		315900	
10 PERCENT EXCEEDS	1040		1030		1400	
50 PERCENT EXCEEDS	101		99		122	
90 PERCENT EXCEEDS	50		43		41	

e Estimated.
a Site and datum then in use, from rating curve extended above 2800 ft^3/s.

09166950 LOST CANYON CREEK NEAR DOLORES, CO

LOCATION.--Lat 37°26'46", long 108°28'07", in $SE^1/_4SE^1/_4$ 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 good 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.65	e.69	e.44	2.7	43	159	.49	.15	.13	.00
2	.00	.00	.60	e.65	e.42	3.8	59	161	.37	.18	.11	.00
3	.00	.00	.63	e.62	e.58	2.9	57	112	.32	.13	.18	.00
4	.00	.00	.57	e.59	e.72	3.5	18	50	.25	.11	.15	.00
5	.00	.00	.57	e.65	e.77	2.3	16	33	.21	.07	.10	.00
6	.00	.00	.55	e.67	e.95	2.4	15	21	.15	.02	.09	.00
7	.00	.00	.55	e.66	e1.1	2.5	12	15	.12	.00	.11	.00
8	.00	.00	.59	e.65	e1.5	2.8	10	7.8	.12	.00	.05	.00
9	.00	.00	.73	e.61	e2.0	3.6	9.4	30	.12	.00	.04	.00
10	.00	.00	.88	e.55	e2.6	3.2	15	48	.11	.00	.07	.00
11	.00	.00	.90	e.51	e2.4	3.7	13	41	.21	.00	.07	.00
12	.00	.00	.93	e.48	e2.1	2.9	12	93	.24	.00	.00	.00
13	.00	.00	.89	e.47	e1.9	4.7	9.4	157	.33	.00	.05	.00
14	.00	.00	.88	e.47	e1.8	4.3	12	134	.40	.00	.23	.00
15	.00	.00	.95	e.44	e1.5	5.8	14	78	.30	.00	.09	.00
16	.00	.00	.90	e.40	e1.6	4.2	17	110	.16	.00	.00	.00
17	.00	.00	e.86	e.52	e1.6	3.3	44	98	.12	.00	.01	.00
18	.00	.00	e.71	e.53	e1.6	4.5	100	73	.08	.00	.00	.00
19	.00	.00	e.56	e.50	e1.6	3.7	148	63	.06	.00	.00	.00
20	.00	.00	e.59	e.43	e1.5	3.8	145	67	.06	.00	.00	.00
21	.00	.00	e.65	e.47	e1.6	4.6	116	39	.05	.00	.00	.00
22	.00	.00	e.78	e.64	e1.7	5.5	54	22	.05	.00	.00	.00
23	.02	.00	e.79	e.70	e1.8	6.6	24	40	.12	.00	.00	.00
24	.00	.24	e.79	e.70	e2.0	7.3	34	11	.24	.00	.00	.00
25	.00	.61	e.79	e.67	e2.1	12	61	6.9	.31	.01	.00	.00
26	.00	.59	e.79	e.64	2.6	18	110	5.6	.31	.04	.00	.00
27	.00	.56	e.78	e.59	2.3	38	112	2.2	.31	.02	.00	.00
28	.00	.59	e.77	e.57	2.4	35	122	1.4	.16	.00	.00	.00
29	.00	.58	e.74	e.54	---	33	151	1.1	.14	.00	.00	.00
30	.00	.63	e.71	e.49	---	28	149	.80	.16	.00	.00	.00
31	.00	---	e.70	e.46	---	31	---	.66	---	.00	.00	---
TOTAL	0.02	3.80	22.78	17.56	45.18	289.6	1701.8	1681.46	6.07	0.73	1.48	0.00
MEAN	.001	.13	.73	.57	1.61	9.34	56.7	54.2	.20	.024	.048	.000
MAX	.02	.63	.95	.70	2.6	38	151	161	.49	.18	.23	.00
MIN	.00	.00	.55	.40	.42	2.3	9.4	.66	.05	.00	.00	.00
AC-FT	.04	7.5	45	35	90	574	3380	3340	12	1.4	2.9	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

MEAN	2.34	4.43	2.17	1.57	2.37	34.2	115	109	9.94	.25	.65	1.11
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1984 - 2001	
ANNUAL TOTAL	2201.49		3770.48			
ANNUAL MEAN	6.01		10.3		23.3	
HIGHEST ANNUAL MEAN					49.9	1993
LOWEST ANNUAL MEAN					.43	1990
HIGHEST DAILY MEAN	130	Apr 14	161	May 2	555	Apr 2 1986
LOWEST DAILY MEAN	.00	Jun 6	a.00	Oct 1	a.00	Jul 11 1984
ANNUAL SEVEN-DAY MINIMUM	.00	Jun 6	.00	Oct 1	.00	Aug 30 1984
MAXIMUM PEAK FLOW			262	May 2	744	Apr 2 1986
MAXIMUM PEAK STAGE			4.98	May 2	7.23	Apr 2 1986
ANNUAL RUNOFF (AC-FT)	4370		7480		16870	
10 PERCENT EXCEEDS	10		33		82	
50 PERCENT EXCEEDS	.54		.47		1.0	
90 PERCENT EXCEEDS	.00		.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, October 2000 to June 2001 (seasonal records only).

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 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, 3,740 ft^3/s, May 7, 1998, gage height, 10.18 ft; minimum daily, 16 ft^3/s, Nov. 17, 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 (seasonal only).--Maximum discharge, 735 ft^3/s, Apr. 17, gage height, 6.01 ft; minimum daily, 16 ft^3/s, Nov. 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	87	30	e39	e41	46	227	118	61	---	---	---
2	38	76	29	e39	e42	43	330	114	58	---	---	---
3	34	40	28	e39	e47	39	428	129	54	---	---	---
4	31	23	28	e39	e51	39	441	129	59	---	---	---
5	104	23	30	e39	e57	36	369	118	66	---	---	---
6	80	25	41	e39	73	38	256	115	63	---	---	---
7	48	25	38	e39	79	40	182	107	62	---	---	---
8	48	22	35	39	72	42	162	89	60	---	---	---
9	45	23	34	e40	64	44	123	80	58	---	---	---
10	46	25	36	e45	e55	65	114	87	56	---	---	---
11	71	28	37	e50	52	67	196	90	56	---	---	---
12	99	32	36	53	41	63	171	93	55	---	---	---
13	70	25	34	47	39	48	171	103	56	---	---	---
14	50	19	32	34	e34	42	128	107	59	---	---	---
15	46	30	32	45	30	41	186	113	60	---	---	---
16	45	30	27	52	32	41	468	112	58	---	---	---
17	45	16	22	57	33	45	578	111	57	---	---	---
18	46	25	26	44	37	44	474	109	56	---	---	---
19	47	26	24	e44	40	39	411	101	56	---	---	---
20	48	25	25	e46	40	43	302	110	55	---	---	---
21	50	35	35	50	47	38	232	109	56	---	---	---
22	52	33	e36	e48	45	47	159	99	56	---	---	---
23	66	38	36	e49	50	63	153	85	55	---	---	---
24	251	29	37	e49	52	70	148	81	56	---	---	---
25	113	29	e37	e49	48	66	138	80	57	---	---	---
26	63	28	38	51	46	99	129	80	57	---	---	---
27	45	32	33	60	44	144	125	77	63	---	---	---
28	46	31	38	64	43	144	125	74	63	---	---	---
29	59	30	34	56	---	134	123	71	59	---	---	---
30	54	31	36	44	---	109	122	68	57	---	---	---
31	61	---	39	42	---	113	---	63	---	---	---	---
TOTAL	1941	941	1023	1431	1334	1932	7171	3022	1744	---	---	---
MEAN	62.6	31.4	33.0	46.2	47.6	62.3	239	97.5	58.1	---	---	---
MAX	251	87	41	64	79	144	578	129	66	---	---	---
MIN	31	16	22	34	30	36	114	63	54	---	---	---
AC-FT	3850	1870	2030	2840	2650	3830	14220	5990	3460	---	---	---

e Estimated.

09169500 DOLORES RIVER AT BEDROCK, CO

LOCATION.--Lat 38°18'37", long 108°53'05", in NW$^1/_4$SW$^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	53	e36	e43	e46	e48	130	134	e63	45	47	134
2	36	77	e36	e43	e48	e47	208	129	e60	44	58	74
3	27	57	e36	e43	e53	e45	332	124	e57	45	56	e59
4	47	47	e36	e43	e61	e43	364	124	e53	46	66	e54
5	255	37	e37	e43	e70	e41	392	126	49	44	155	e53
6	95	32	44	e44	79	e43	343	127	67	50	94	e51
7	97	32	49	e43	70	e45	247	125	66	50	183	e45
8	50	33	66	e44	66	e49	206	125	62	47	90	e42
9	48	33	54	e46	63	e52	179	120	59	54	210	e42
10	43	28	56	e52	46	e73	148	101	54	54	172	e43
11	42	36	49	e57	48	e75	154	89	50	52	89	e44
12	73	37	49	e59	39	e70	182	90	49	53	84	e44
13	93	40	48	e53	28	e57	149	90	49	55	82	e43
14	69	38	47	e41	42	e55	143	e96	54	71	271	e51
15	46	32	42	e50	e38	53	124	e100	57	74	158	e45
16	42	26	e38	e56	e37	50	258	e106	57	66	87	e43
17	40	e28	e30	e61	e38	59	522	e108	54	68	84	e53
18	39	e29	e33	e51	e41	58	505	e107	51	58	82	e47
19	38	e31	e31	e50	e43	56	451	e108	49	53	79	e49
20	38	e32	e34	e52	e43	53	396	e104	48	53	76	e49
21	38	e40	e40	e53	e50	49	299	e100	47	54	72	e45
22	42	e39	e40	e53	e50	51	240	e100	46	51	72	e45
23	57	e42	e41	e55	e55	51	180	e103	47	50	102	e45
24	134	e39	e42	e55	e56	62	173	e94	48	51	184	e44
25	232	e34	e42	e56	e53	63	161	e80	55	55	76	e44
26	118	e37	e43	e57	e50	71	153	e78	50	54	65	e43
27	70	e39	e41	e63	e49	107	141	e75	52	52	62	e42
28	55	e38	e43	e67	e47	168	139	e74	55	51	59	e40
29	52	e37	e40	e60	---	176	138	e73	60	50	56	e40
30	52	e37	e42	e51	---	162	134	e68	51	48	54	e38
31	53	---	e43	e46	---	133	---	e66	---	46	60	---
TOTAL	2157	1140	1308	1590	1409	2165	7191	3144	1619	1644	3085	1491
MEAN	69.6	38.0	42.2	51.3	50.3	69.8	240	101	54.0	53.0	99.5	49.7
MAX	255	77	66	67	79	176	522	134	67	74	271	134
MIN	27	26	30	41	28	41	124	66	46	44	47	38
AC-FT	4280	2260	2590	3150	2790	4290	14260	6240	3210	3260	6120	2960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2001, BY WATER YEAR (WY)

MEAN	90.0	86.1	69.6	69.2	78.5	241	917	1322	692	149	103	99.7
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1985 - 2001	
ANNUAL TOTAL	54995		27943			
ANNUAL MEAN	150		76.6		a327	
HIGHEST ANNUAL MEAN					724	1993
LOWEST ANNUAL MEAN					53.5	1990
HIGHEST DAILY MEAN	e1170	May 1	522	Apr 17	4690	May 5 1986
LOWEST DAILY MEAN	25	Sep 25	26	Nov 16	b4.0	Jun 21 1990
ANNUAL SEVEN-DAY MINIMUM	30	Sep 23	31	Nov 14	8.6	Jun 15 1990
MAXIMUM PEAK FLOW			720	Apr 17	c5230	May 5 1986
MAXIMUM PEAK STAGE			3.17	Apr 17	9.12	May 5 1986
ANNUAL RUNOFF (AC-FT)	109100		55420		236800	
10 PERCENT EXCEEDS	542		142		1070	
50 PERCENT EXCEEDS	58		53		76	
90 PERCENT EXCEEDS	36		38		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.

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 except Oct. 28 to Nov. 2, Mar. 27 to Apr. 3 and Aug. 26-28 which are poor. Water temperature record is good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 6,970 microsiemens/cm Aug. 14, 1987; minimum, 140 microsiemens/cm 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, 2,800 microsiemens/cm, Sept. 4; minimum, 293 microsiemens/cm, Aug. 15.
WATER TEMPERATURE: Maximum, 29.7°C, July 9; minimum, -0.1°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
NOV													
02...	1200	87	685	8.4	7.3	192	57.5	11.9	71.3	2.24	3.52	124	65.7
DEC													
13...	1415	49	805	8.3	2.1	177	49.9	12.6	94.8	3.10	3.77	139	44.8
FEB													
15...	1500	44	791	8.4	2.8	149	40.1	11.9	103	3.66	4.07	116	48.0
MAR													
14...	1500	56	1010	8.4	10.1	242	61.8	21.3	109	3.06	4.50	142	149
APR													
26...	0915	154	657	8.3	13.3	213	55.1	18.4	53.2	1.58	3.28	110	149
JUN													
04...	1415	53	1000	8.5	19.6	247	60.3	23.4	111	3.07	4.40	122	176
JUL													
03...	0815	45	641	8.4	21.5	140	37.8	11.0	65.8	2.42	4.12	111	38.2
30...	1300	48	633	8.4	24.7	135	36.6	10.6	69.5	2.60	4.21	105	36.3
AUG													
30...	0800	53	755	8.3	19.3	222	67.2	13.1	71.7	2.10	4.43	114	119

DATE	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)
NOV						
02...	108	.2	3.9	396	.5	93
DEC						
13...	137	E.1	4.8	431	.6	57
FEB						
15...	151	E.1	3.8	431	.6	51
MAR						
14...	143	.2	2.4	577	.8	87
APR						
26...	46.3	E.1	7.0	398	.5	165
JUN						
04...	128	.2	4.2	581	.8	83
JUL						
03...	101	E.1	1.8	326	.4	40
30...	106	E.1	1.4	328	.4	43
AUG						
30...	97.3	E.1	5.4	446	.6	64

E Estimated laboratory analysis value.

09169500 DOLORES RIVER AT BEDROCK, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	807	757	774	981	784	877	851	791	818	1020	897	945
2	759	717	735	784	612	702	871	794	833	991	901	931
3	742	701	720	1280	612	1000	916	759	829	1020	888	939
4	743	696	734	1050	790	870	890	772	836	1020	881	937
5	771	636	691	1070	782	819	946	776	845	991	896	936
6	784	708	752	1540	1070	1460	1010	776	880	1020	870	932
7	708	622	636	1530	1120	1340	1040	797	915	939	856	891
8	677	631	652	1120	881	985	1030	828	920	945	859	898
9	908	677	731	887	814	849	903	782	828	947	885	920
10	964	900	941	869	829	853	861	806	829	946	870	901
11	900	824	849	853	821	841	851	779	805	908	841	882
12	845	795	815	867	789	832	836	783	806	841	789	817
13	833	703	764	795	784	789	822	787	806	913	805	844
14	703	647	665	793	723	754	855	811	830	832	771	803
15	672	638	650	782	718	750	833	816	823	884	776	825
16	730	672	689	880	775	822	850	793	832	962	798	908
17	1120	730	810	905	777	851	978	793	882	962	835	899
18	1570	1120	1440	825	673	760	961	804	864	950	838	886
19	1550	1290	1440	875	698	812	1140	880	977	1120	935	1020
20	1290	1020	1140	987	810	887	1180	1040	1120	987	868	896
21	1020	889	940	1030	850	929	1100	922	1040	942	890	912
22	889	817	850	902	822	861	1030	922	989	968	800	898
23	817	768	795	923	818	867	1040	935	976	1010	859	941
24	777	727	755	843	763	808	1060	966	1000	935	761	845
25	750	580	641	923	774	831	1150	905	982	814	774	803
26	1240	583	840	875	733	793	960	886	918	959	801	863
27	1540	1240	1410	857	733	824	889	831	867	839	786	809
28	1630	1540	1600	851	789	809	952	889	920	887	768	834
29	1620	1450	1520	829	779	806	998	880	935	810	764	777
30	1450	1280	1360	835	766	799	985	908	938	878	777	827
31	1280	981	1140	---	---	---	1020	883	944	887	778	838
MONTH	1630	580	919	1540	612	873	1180	759	896	1120	761	882

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1090	804	979	1370	1070	1250	521	466	502	944	871	910
2	1280	910	1080	1270	1020	1100	466	430	449	959	894	924
3	949	822	905	1040	920	970	500	387	417	1040	917	967
4	910	819	880	952	906	927	525	338	389	1000	910	940
5	941	817	890	966	940	957	408	354	380	941	883	911
6	944	814	878	963	917	931	410	363	389	907	865	890
7	863	799	837	1120	931	1020	407	382	396	879	857	870
8	845	769	806	1100	978	1020	480	397	438	933	860	885
9	833	694	765	981	900	950	558	479	498	978	933	962
10	837	742	783	900	839	883	644	558	618	1020	977	994
11	1010	754	893	865	825	855	667	617	646	1030	1000	1020
12	937	760	842	950	840	901	657	601	631	1050	1010	1030
13	836	747	792	1090	929	1000	694	565	611	1070	1030	1050
14	866	762	817	1100	1020	1050	585	552	566	1070	942	1010
15	891	698	816	1160	994	1050	677	579	634	954	886	915
16	845	768	817	1240	1120	1150	676	605	643	891	805	858
17	897	726	819	1250	1140	1200	673	361	473	845	793	813
18	924	826	874	1200	1090	1160	410	361	394	835	769	800
19	914	802	855	1090	1030	1040	418	369	398	818	759	785
20	884	789	848	1030	1000	1020	444	373	411	819	783	802
21	860	782	839	1000	949	977	470	411	438	808	750	783
22	864	799	838	1080	970	1040	514	470	487	777	750	765
23	870	797	837	1080	1040	1050	563	514	535	821	775	792
24	901	806	841	1170	1080	1120	609	563	583	841	785	819
25	892	783	816	1160	1000	1050	694	609	652	867	840	848
26	1310	800	1060	1180	984	1050	696	654	672	856	822	839
27	1130	986	1070	1530	1170	1320	760	685	730	897	841	877
28	1420	1050	1270	1620	965	1160	849	760	806	944	865	907
29	---	---	---	976	630	736	862	807	835	934	867	903
30	---	---	---	630	561	579	921	845	869	942	879	914
31	---	---	---	561	497	514	---	---	---	921	865	896
MONTH	1420	694	884	1620	497	1000	921	338	550	1070	750	893

09169500 DOLORES RIVER AT BEDROCK, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	938	864	913	723	619	665	671	560	621	666	505	594
2	964	903	941	722	610	665	679	590	638	589	511	540
3	996	921	964	725	633	689	795	611	693	2450	587	1410
4	1020	898	965	714	605	659	941	606	699	2800	1880	2490
5	1030	886	957	716	604	661	905	454	653	1880	1040	1380
6	1050	961	1010	717	603	663	622	463	522	1040	744	873
7	1020	952	993	708	601	659	637	433	520	761	734	751
8	1000	941	977	689	586	627	570	444	515	742	709	726
9	1000	943	973	704	600	647	1480	570	1110	732	706	719
10	950	901	931	740	590	686	1400	1020	1200	723	682	703
11	951	841	904	798	594	671	1030	828	929	710	691	702
12	962	823	896	853	589	717	828	689	724	711	659	692
13	920	789	859	698	625	663	769	693	737	702	653	688
14	863	754	816	855	608	691	938	551	791	1350	636	772
15	842	771	821	844	699	739	561	293	427	1340	691	788
16	777	719	753	860	649	739	725	545	630	701	670	689
17	760	662	717	795	581	687	906	557	794	700	647	674
18	752	638	701	625	575	611	1370	642	763	722	611	661
19	775	627	704	654	553	608	1750	1370	1610	710	625	645
20	765	668	723	659	552	612	1420	809	1030	654	613	639
21	753	635	702	663	553	618	810	685	767	656	608	635
22	758	625	698	659	576	623	983	729	877	665	633	651
23	747	628	693	663	563	618	979	607	808	664	642	657
24	759	655	704	659	559	616	607	455	489	655	623	643
25	747	649	707	685	608	650	1650	488	673	661	629	651
26	1540	703	929	660	600	636	2250	1650	2050	667	633	653
27	734	649	687	647	576	619	1830	1280	1540	682	640	667
28	724	685	707	649	582	618	1280	816	1020	685	656	673
29	706	637	683	657	561	616	837	788	809	688	656	676
30	706	614	668	668	553	621	788	698	764	690	634	671
31	---	---	---	669	564	622	712	663	696	---	---	---
MONTH	1540	614	823	860	552	652	2250	293	842	2800	505	790
YEAR	2800	293	834									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.4	15.6	17.6	8.2	6.6	7.4	2.0	.0	.9	.5	-.1	.1
2	19.2	15.2	17.2	8.7	6.0	7.2	1.8	.0	.8	.5	-.1	.1
3	19.3	15.3	17.4	8.4	5.8	7.1	1.6	.0	.7	.5	-.1	.0
4	17.8	15.0	16.8	8.6	5.3	7.1	1.0	-.1	.4	.5	-.1	.1
5	15.9	11.8	13.8	8.4	6.8	7.5	1.1	-.1	.3	.4	-.1	.1
6	17.0	13.1	14.9	7.0	5.0	6.2	1.3	-.1	.4	.5	-.1	.0
7	16.4	12.9	14.6	5.1	2.8	4.0	.7	-.1	.2	.5	-.1	.0
8	15.9	13.6	14.6	3.4	.8	2.4	.9	-.1	.3	.4	-.1	.0
9	16.2	13.0	14.6	5.0	1.9	3.3	3.4	.7	1.9	.1	-.1	.0
10	14.7	12.5	13.3	3.7	2.5	3.1	2.8	1.3	2.1	.5	-.1	.1
11	13.8	11.7	12.6	4.0	2.3	3.1	3.0	.8	2.0	.5	-.1	.1
12	14.3	11.0	12.5	3.2	1.5	2.3	1.5	.7	1.1	.4	-.1	.1
13	13.3	10.0	11.5	2.5	.0	1.1	2.3	.6	1.4	.5	-.1	.1
14	13.2	8.9	10.9	1.9	.0	.8	1.8	.6	1.2	.4	-.1	.0
15	12.3	8.7	10.6	2.4	.1	1.2	1.7	.0	.8	.4	-.1	.1
16	12.4	8.7	10.6	2.4	.6	1.4	1.2	.0	.4	.4	-.1	.1
17	12.5	8.7	10.6	1.3	-.1	.4	1.1	-.1	.2	.3	-.1	.0
18	12.6	8.8	10.7	.9	-.1	.2	.7	-.1	.1	.3	-.1	.0
19	12.6	9.2	10.9	1.1	-.1	.3	.8	.0	.2	.4	-.1	.0
20	12.6	8.9	10.8	1.2	.0	.3	.7	-.1	.1	.5	-.1	.1
21	11.9	8.9	10.7	1.0	.0	.3	.6	-.1	.1	.3	-.1	.0
22	12.7	10.9	11.8	.9	-.1	.4	.6	-.1	.1	.2	-.1	.0
23	12.2	11.1	11.6	2.5	.0	1.1	.6	-.1	.1	.5	-.1	.1
24	11.1	10.0	10.6	1.4	.0	.6	.4	-.1	.1	.6	-.1	.1
25	11.3	9.4	10.2	2.2	-.1	.8	.4	-.1	.1	.7	-.1	.1
26	10.9	8.6	9.6	2.1	.0	.9	.6	-.1	.1	.3	-.1	.1
27	10.5	8.7	9.7	2.6	.0	1.3	.7	-.1	.1	.1	.0	.0
28	11.1	9.6	10.2	2.2	.0	1.3	.6	-.1	.1	.2	.0	.1
29	10.0	8.6	9.3	2.0	.0	1.0	.6	-.1	.1	.5	-.1	.1
30	9.9	8.2	9.0	1.8	.0	.9	.5	-.1	.1	.2	-.1	.0
31	8.9	7.5	8.3	---	---	---	.5	-.1	.0	.3	-.1	.0
MONTH	19.4	7.5	12.2	8.7	-.1	2.5	3.4	-.1	.5	.7	-.1	.1

09169500 DOLORES RIVER AT BEDROCK, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.4	-.1	.0	6.2	3.6	4.8	14.1	9.4	11.7	19.6	14.7	17.1
2	.4	-.1	.0	7.2	3.5	5.3	13.1	11.2	11.9	18.0	14.5	16.3
3	.5	-.1	.1	7.3	4.2	5.7	11.9	10.1	11.0	14.5	12.0	13.1
4	.5	-.1	.1	8.6	4.2	6.3	11.7	9.8	10.7	14.6	10.4	12.3
5	.6	-.1	.1	8.3	5.5	6.8	11.0	9.3	10.0	15.8	12.3	13.9
6	.6	-.1	.1	9.7	6.0	7.9	10.4	9.0	9.7	15.7	12.1	14.0
7	1.4	.0	.5	10.3	7.6	8.8	9.3	7.6	8.1	18.3	13.1	15.5
8	1.0	.0	.4	12.2	7.0	9.5	7.9	7.1	7.6	20.0	14.4	17.0
9	1.1	-.1	.3	10.6	7.9	9.4	10.9	6.3	8.5	20.6	15.9	18.1
10	2.0	-.1	.7	10.9	8.1	9.3	9.9	8.0	8.7	21.0	15.6	18.1
11	1.6	-.1	.7	8.8	6.9	7.7	10.5	6.9	8.6	22.4	16.8	19.3
12	2.5	.0	1.2	9.7	6.2	7.9	10.2	7.7	8.9	22.7	16.8	19.6
13	2.2	.0	1.3	11.2	5.9	8.4	11.8	6.4	8.9	22.0	18.2	20.0
14	2.6	.2	1.5	10.0	6.7	8.2	13.2	8.4	10.7	22.0	17.8	19.9
15	3.1	.0	1.4	9.6	4.7	7.1	14.9	9.4	12.1	21.3	17.7	19.6
16	2.5	-.1	1.1	7.6	5.6	6.5	15.5	10.5	13.1	21.1	17.4	19.2
17	3.3	-.1	1.6	7.9	4.8	6.1	15.4	11.5	13.4	20.5	17.9	19.1
18	2.6	.2	1.6	9.9	4.7	7.4	15.2	11.3	13.2	21.4	16.8	19.0
19	5.5	.9	3.1	12.0	6.4	9.1	15.4	12.2	13.8	19.9	18.3	19.2
20	4.1	.8	2.7	13.1	7.6	10.4	14.0	12.1	13.1	21.7	16.4	18.8
21	7.1	2.6	4.7	14.2	9.2	11.7	13.1	11.0	11.7	18.9	15.6	17.2
22	5.8	3.9	4.7	14.6	11.1	12.7	11.1	9.8	10.5	20.3	14.6	17.2
23	4.6	3.6	4.1	14.6	10.7	12.7	13.5	8.5	10.9	21.9	16.1	18.8
24	6.4	2.7	4.3	14.9	10.4	12.7	15.4	10.1	12.8	22.8	17.3	19.8
25	5.1	3.5	4.2	14.4	10.9	12.7	17.2	11.8	14.5	23.0	18.1	20.3
26	3.9	2.4	3.2	13.1	10.4	11.7	17.9	13.2	15.8	23.1	18.2	20.4
27	5.7	3.1	4.3	14.0	10.0	11.7	17.6	14.2	16.0	23.4	18.1	20.5
28	5.5	4.3	4.8	12.7	9.3	10.8	17.5	14.7	16.1	22.8	19.3	20.8
29	---	---	---	11.0	9.0	10.0	18.2	14.6	16.4	22.3	17.2	19.7
30	---	---	---	12.6	7.8	10.1	18.8	14.2	16.4	23.8	17.8	20.5
31	---	---	---	13.1	8.4	10.7	---	---	---	24.2	18.0	20.9
MONTH	7.1	-.1	1.9	14.9	3.5	9.0	18.8	6.3	11.8	24.2	10.4	18.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.6	18.4	21.3	26.6	23.4	24.8	25.7	21.5	23.4	22.2	19.4	20.9
2	22.8	18.6	20.6	26.3	20.6	23.6	27.3	21.6	24.3	23.8	18.9	21.2
3	22.1	17.4	19.5	27.6	21.4	24.5	25.7	23.0	24.4	24.7	18.7	21.4
4	21.1	16.5	18.6	29.0	22.8	25.7	26.7	22.4	24.5	23.5	20.3	21.8
5	21.3	15.2	18.5	29.2	22.7	25.8	26.9	22.3	24.6	23.3	19.0	21.0
6	23.7	16.7	20.1	28.9	22.8	25.8	28.1	24.0	25.8	21.3	18.3	19.8
7	24.5	18.9	21.8	28.3	23.5	25.7	25.8	23.2	24.1	20.8	15.5	17.9
8	23.6	19.8	21.8	29.1	23.4	26.1	25.7	22.1	23.7	18.9	14.0	16.4
9	25.0	19.0	21.9	29.7	24.0	26.6	25.2	20.5	23.2	18.9	12.8	15.7
10	25.0	19.3	22.1	28.2	23.1	25.3	24.4	21.4	22.6	19.9	13.6	16.6
11	24.8	19.2	21.9	27.5	22.3	25.0	25.8	20.3	22.8	21.4	15.3	18.1
12	22.1	18.6	20.4	27.5	23.1	25.4	27.0	21.7	24.0	21.7	16.4	19.1
13	19.2	14.9	16.9	25.4	23.0	24.2	24.1	21.7	22.8	21.4	18.3	19.8
14	20.0	12.8	16.1	23.8	21.7	22.6	23.3	19.4	21.5	22.2	17.0	19.4
15	21.9	14.7	18.2	24.8	20.5	22.5	24.5	18.9	21.7	21.2	16.7	18.9
16	23.6	16.7	20.1	25.2	20.0	22.5	24.3	20.5	22.2	21.6	16.9	19.2
17	24.1	18.1	21.1	24.7	19.8	22.2	25.2	20.4	22.5	21.6	17.5	19.4
18	25.0	18.7	21.9	25.3	20.5	22.9	25.2	20.6	22.8	21.4	16.4	18.8
19	25.5	19.2	22.4	26.0	20.7	23.2	25.0	21.2	23.1	21.1	16.0	18.4
20	25.4	19.8	22.8	26.6	21.2	23.9	24.2	21.1	22.4	21.2	15.7	18.4
21	26.3	20.2	23.2	26.8	21.5	24.2	23.2	20.3	21.8	20.8	15.8	18.5
22	26.3	20.6	23.5	26.7	20.9	23.9	23.3	19.9	21.2	20.9	16.2	18.6
23	24.9	20.4	22.7	24.4	21.5	23.1	23.9	18.3	20.8	21.1	15.7	18.3
24	24.5	20.3	22.2	24.2	21.5	22.7	23.5	19.4	21.4	20.9	15.7	18.2
25	26.3	20.6	23.3	25.8	20.4	23.1	25.2	19.8	22.2	20.7	15.6	18.2
26	24.2	20.8	22.0	25.2	21.8	23.4	25.3	19.9	22.4	21.0	15.7	18.3
27	23.3	18.9	21.2	26.7	20.1	23.2	23.7	20.7	22.2	20.7	15.6	18.2
28	26.0	19.5	22.8	27.3	20.9	24.0	24.4	21.1	22.6	19.7	15.5	17.6
29	27.8	21.7	24.8	27.6	21.7	24.7	23.5	20.0	21.7	19.8	15.4	17.4
30	28.8	22.0	25.5	26.5	22.3	24.5	22.4	19.3	20.8	20.1	15.0	17.4
31	---	---	---	26.1	21.8	23.9	23.4	18.8	20.9	---	---	---
MONTH	28.8	12.8	21.3	29.7	19.8	24.2	28.1	18.3	22.7	24.7	12.8	18.8
YEAR	29.7	-.1	12.0									

09170800 WEST PARADOX CREEK ABOVE BEDROCK, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 38°19'54", long 108°53'59", in $NE^{1}/_{4}NW^{1}/_{4}$ 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
DEC													
13...	1345	1020	8.5	4.4	531	105	65.5	27.7	.523	2.82	224	324	23.9
FEB													
15...	1630	1040	8.4	5.9	523	104	63.7	26.0	.494	2.93	225	329	22.1
MAR													
14...	1415	1200	8.4	9.2	624	123	77.0	31.6	.550	2.99	236	405	27.8

DATE	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				
13...	.3	12.0	695	.9
FEB				
15...	.3	12.3	695	.9
MAR				
14...	.4	11.9	821	1.1

09171100 DOLORES RIVER NEAR BEDROCK, CO

LOCATION.--Lat 38°21'25", long 108°49'58", in NE$^1/_4$SE$^1/_4$ 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 discharges above 320 ft^3/s, 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	71	e48	e48	e54	66	121	128	59	46	47	105
2	55	84	e47	e48	e56	64	187	123	56	45	52	68
3	48	75	e46	e48	e61	64	317	125	52	45	61	55
4	46	67	e46	e48	e71	61	352	135	49	46	59	51
5	263	59	e46	e48	e82	59	410	133	46	45	118	50
6	90	54	e46	e49	e87	58	354	122	55	47	77	49
7	112	53	47	e48	e83	55	254	115	56	48	148	43
8	70	55	60	43	e78	57	201	111	54	47	85	40
9	61	53	56	e53	e72	60	176	95	53	49	158	40
10	65	50	55	e56	e67	63	149	86	50	52	152	41
11	59	53	56	e60	e63	69	137	85	47	50	83	42
12	76	56	56	e62	e59	72	180	88	45	50	80	41
13	93	58	56	e57	e57	68	144	91	46	51	65	41
14	86	56	55	e50	e70	62	141	98	48	62	213	49
15	65	55	53	e57	e65	59	118	101	50	72	173	42
16	60	47	49	e62	61	57	216	106	50	68	99	41
17	58	e42	e43	e65	55	62	542	105	48	69	85	51
18	57	e43	38	e59	57	61	601	106	47	62	67	44
19	57	44	e43	e57	57	61	517	104	47	52	64	46
20	57	46	e44	e59	60	59	452	98	46	51	60	47
21	57	48	e45	e60	62	57	334	97	46	51	59	43
22	59	54	e45	e61	63	57	271	102	45	49	66	42
23	66	58	e46	e62	66	56	206	95	45	48	72	42
24	120	e56	e47	e62	67	66	193	83	47	49	113	42
25	237	e53	e47	e64	72	71	179	76	51	50	68	42
26	122	e50	e48	e67	65	78	158	74	47	52	59	40
27	84	e49	e46	e70	65	92	140	72	48	52	56	39
28	71	e49	e48	e73	65	154	134	72	50	48	54	38
29	67	e49	e46	e67	---	166	133	67	54	47	53	38
30	68	e48	e48	e60	---	158	129	65	50	47	53	36
31	79	---	e48	e54	---	134	---	62	---	46	55	---
TOTAL	2560	1635	1504	1777	1840	2326	7446	3020	1487	1596	2654	1388
MEAN	82.6	54.5	48.5	57.3	65.7	75.0	248	97.4	49.6	51.5	85.6	46.3
MAX	263	84	60	73	87	166	601	135	59	72	213	105
MIN	46	42	38	43	54	55	118	62	45	45	47	36
AC-FT	5080	3240	2980	3520	3650	4610	14770	5990	2950	3170	5260	2750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2001, BY WATER YEAR (WY)

MEAN	96.8	94.2	74.9	76.7	89.3	252	935	1329	700	154	106	109
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	46.3
(WY)	1992	1991	1991	1991	1991	1990	1990	1990	1990	1990	1990	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1985 - 2001	
ANNUAL TOTAL	59263		29233			
ANNUAL MEAN	162		80.1		a335	
HIGHEST ANNUAL MEAN					711	1993
LOWEST ANNUAL MEAN					55.3	1990
HIGHEST DAILY MEAN	1220	Apr 30	601	Apr 18	4550	May 6 1986
LOWEST DAILY MEAN	38	Dec 18	36	Sep 30	b7.1	Jun 21 1990
ANNUAL SEVEN-DAY MINIMUM	43	Dec 17	39	Sep 24	10	Jun 16 1990
MAXIMUM PEAK FLOW			852	Apr 18	c5260	May 6 1986
MAXIMUM PEAK STAGE			d4.67	Apr 18	10.82	May 6 1986
ANNUAL RUNOFF (AC-FT)	117500		57980		242900	
10 PERCENT EXCEEDS	558		134		1080	
50 PERCENT EXCEEDS	64		59		82	
90 PERCENT EXCEEDS	49		46		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.
d Maximum gage height, 6.86 ft, Jan 2, backwater from ice.

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 Apr. 3-10, 17-24, Sep. 4-11 which are fair and Dec. 26 to Feb. 15 and July 31 to Aug. 15 which are poor. Daily water temperature record is good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 57,700 microsiemens/cm, June 22, 1990 (may have been higher June 19-22, 1990 when probe was out of water); minimum recorded, 256 microsiemens/cm, June 23, 1995 (may have been lower during period of missing record Apr. 3-20, 1993).
WATER TEMPERATURE: Maximum, 33.4°C, July 4, 2001; 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, 19,800 microsiemens/cm, Dec. 18; minimum, 404 microsiemens/cm, Aug. 15.
WATER TEMPERATURE: Maximum, 33.4°C, July 4; minimum, -0.6°C, Dec. 18.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
NOV													
02...	0845	92	1530	8.4	5.2	232	65.4	16.6	219	6.25	11.1	131	97.8
DEC													
13...	1600	54	2650	8.3	3.9	255	62.3	24.2	480	13.1	20.8	148	100
FEB													
15...	1715	70	5780	8.3	9.1	387	80.7	45.0	1100	24.3	52.1	146	190
MAR													
14...	1700	58	2160	8.4	10.3	318	74.2	32.2	304	7.41	14.7	151	217
APR													
26...	1245	162	857	8.3	18.0	220	56.1	19.3	86.8	2.55	4.96	112	156
JUN													
04...	1615	50	2010	8.5	24.2	274	64.1	27.7	296	7.79	14.3	129	196
JUL													
03...	1030	47	1400	8.4	23.1	167	42.0	15.1	213	7.17	10.8	113	53.9
30...	1530	47	1090	8.5	28.5	146	37.4	12.8	149	5.37	9.09	109	45.5
AUG													
30...	1030	51	1570	8.3	18.7	255	74.9	16.5	209	5.71	11.0	116	149

DATE	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)
NOV						
02...	347	.2	4.6	840	1.1	210
DEC						
13...	715	E.1	5.1	1500	2.0	217
FEB						
15...	1720	.2	5.2	3280	4.5	618
MAR						
14...	464	.2	2.9	1200	1.6	188
APR						
26...	104	E.2	7.0	502	.7	219
JUN						
04...	437	.2	4.3	1120	1.5	150
JUL						
03...	326	.2	1.8	730	1.0	93
30...	238	E.1	1.3	559	.8	71
AUG						
30...	325	E.2	5.5	860	1.2	119

E Estimated laboratory analysis value.

09171100 DOLORES RIVER NEAR BEDROCK, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2120	1890	2060	1840	1710	1760	3060	2190	2610	2760	1460	2230
2	1950	1710	1810	1720	1400	1550	3140	2290	2630	2750	1460	2290
3	2150	1940	2030	2470	1590	1840	2930	2490	2680	2920	1470	2270
4	2400	2110	2180	2510	2360	2440	3400	2430	2870	3080	1550	2270
5	2400	591	1080	2980	2370	2700	5530	2020	2950	3090	1430	2180
6	1000	603	825	3610	2980	3270	5170	1970	2980	2580	1360	2110
7	912	778	833	3570	3200	3420	4080	2150	3100	2600	1410	2160
8	1210	912	1040	3200	2830	2970	3770	1900	2560	2430	1320	2010
9	1480	1210	1340	2990	2740	2870	2900	2140	2560	3120	1380	2350
10	1730	1410	1560	3140	2900	2990	3240	2270	2670	2300	1440	1770
11	1790	1730	1760	3280	2440	2820	2880	2380	2570	2400	1530	1980
12	1780	1350	1670	2500	2360	2450	2720	2540	2640	2790	1830	2110
13	1370	1110	1310	2370	2080	2270	2700	2570	2630	2790	1720	1950
14	1210	1080	1120	2920	2220	2450	2700	2420	2590	2360	1740	1950
15	1420	1210	1310	2840	2140	2470	2980	2650	2770	3400	2040	2530
16	1540	1410	1470	3960	2530	3200	3140	2480	2910	3400	2150	2680
17	1690	1530	1600	3470	2030	2550	11300	2340	3620	3380	2200	2540
18	2220	1690	1930	11300	1790	2730	19800	2630	4720	3560	2040	2670
19	2280	2220	2260	9880	1960	3210	8600	2720	4040	2320	1550	2040
20	2250	2100	2160	9010	1980	3880	4980	2480	3850	2240	1830	1970
21	2120	2040	2080	8060	1770	3040	3480	1970	2930	2330	1910	2110
22	2070	1940	2020	3120	2300	2750	2900	1800	2430	3760	2130	2700
23	1940	1740	1830	3060	2030	2430	3600	1650	2570	2490	2190	2330
24	1740	1100	1330	3580	1730	2170	2130	1660	1920	2260	1870	2090
25	1100	726	867	2690	1770	2070	2220	1890	2080	2800	2090	2320
26	1070	726	821	3290	2080	2720	2110	1610	1850	2480	1810	2060
27	1630	1070	1350	3030	1980	2500	2480	1730	1960	2920	1890	2430
28	2040	1630	1850	3130	2220	2610	3160	1660	2440	2860	2080	2250
29	2160	2040	2120	3340	1970	2510	2540	1580	2160	2690	2080	2410
30	2220	2160	2200	2790	2180	2430	3040	1520	2350	3140	1990	2500
31	2220	1840	2030	---	---	---	2870	1580	2290	7060	2240	3170
MONTH	2400	591	1610	11300	1400	2640	19800	1520	2740	7060	1320	2270

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3480	2150	2750	2830	2190	2430	803	763	783	1160	1100	1140
2	2460	2020	2240	2480	2320	2390	792	686	732	1180	1140	1160
3	2550	2070	2300	2320	2070	2170	686	465	605	1200	1150	1160
4	2720	2300	2460	2240	1980	2070	575	464	501	1180	1100	1140
5	3630	2390	2720	2340	1990	2180	511	484	491	1130	1110	1130
6	2880	2340	2600	2370	2120	2240	525	494	508	1170	1100	1140
7	3060	2190	2500	2450	2340	2400	548	525	541	1190	1150	1170
8	2190	2040	2090	2470	2230	2370	635	545	590	1250	1180	1200
9	5470	1970	2490	2230	2060	2140	739	635	687	1410	1250	1340
10	3300	2040	2470	2120	1890	1990	904	739	836	1470	1400	1430
11	4970	2290	3000	1950	1620	1820	878	800	862	1500	1360	1440
12	3740	2450	2760	1690	1580	1630	800	744	763	1360	1310	1340
13	4310	2460	3110	1920	1660	1760	870	778	828	1380	1290	1340
14	3940	2160	2690	2150	1870	2000	809	758	780	1340	1220	1270
15	5540	2030	2860	2220	2030	2110	966	808	893	1240	1150	1180
16	4920	1790	2650	2590	2210	2360	938	744	823	1170	1040	1090
17	5410	1770	3020	2540	2110	2280	762	481	593	1090	986	1030
18	3520	1860	2830	2230	2020	2130	481	454	465	1040	983	1020
19	3810	2330	2950	2180	1960	2070	480	444	461	1040	1020	1030
20	3790	2250	2730	2190	2010	2080	492	451	470	1100	1040	1070
21	3010	2320	2560	2240	2160	2200	520	483	497	1100	1080	1090
22	2910	2460	2650	2430	2110	2230	566	520	543	1080	1030	1050
23	2640	2430	2560	2360	2170	2300	644	566	605	1160	1030	1080
24	2600	2170	2420	2170	1800	1950	706	644	680	1350	1150	1220
25	2620	1950	2180	1930	1720	1800	837	686	762	1430	1340	1390
26	2940	2150	2460	1760	1500	1620	887	825	859	1440	1380	1400
27	3050	2560	2750	1810	1560	1670	984	865	926	1450	1390	1420
28	2790	2300	2500	1730	1110	1430	1070	974	1020	1520	1430	1450
29	---	---	---	1140	828	981	1110	1020	1070	1540	1490	1510
30	---	---	---	828	742	768	1140	1050	1110	1580	1510	1540
31	---	---	---	764	757	761	---	---	---	1660	1580	1620
MONTH	5540	1770	2620	2830	742	1950	1140	444	709	1660	983	1240

09171100 DOLORES RIVER NEAR BEDROCK, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	1820	1640	1710	1420	1350	1400	1270	1010	1100	1310	732	914
2	2010	1790	1870	1460	1400	1420	1140	918	1030	1020	744	881
3	2150	1970	2030	1440	1380	1410	1640	912	1060	1790	1020	1130
4	2180	2030	2130	1500	1340	1400	1120	897	959	2730	1790	2480
5	2240	2140	2190	1430	1320	1380	929	697	837	2720	1870	2270
6	2230	1700	1890	1400	1240	1320	704	618	649	1870	1530	1670
7	1840	1680	1760	1290	1210	1250	671	506	614	1650	1520	1560
8	1900	1730	1800	1290	1210	1260	725	543	611	1670	1610	1640
9	2000	1810	1880	1280	1150	1220	1810	669	1090	1670	1600	1630
10	2070	1860	1970	1280	1110	1180	1390	726	1000	1660	1570	1620
11	2180	1970	2070	1270	1150	1200	916	778	816	1730	1580	1640
12	2340	2090	2200	1350	1180	1260	778	688	723	1740	1600	1680
13	2310	2020	2140	1370	1150	1250	736	700	712	1700	1550	1630
14	2040	1820	1930	1180	1050	1120	714	577	638	1550	1050	1340
15	1930	1740	1840	1730	1060	1230	728	404	517	1950	1350	1580
16	1880	1660	1770	1270	1100	1150	916	728	853	1540	1380	1440
17	1930	1690	1790	1200	1050	1150	1250	795	1010	1780	1100	1310
18	1940	1740	1860	1150	1050	1110	1310	1240	1280	1310	1170	1260
19	2020	1830	1920	1200	1070	1130	2050	1260	1750	1260	1150	1190
20	2010	1870	1970	1200	1080	1150	2080	1830	1960	1170	1050	1120
21	1970	1850	1930	1170	1040	1120	1830	1480	1710	1220	1120	1160
22	2010	1890	1960	1190	1090	1150	1580	1260	1480	1250	1160	1200
23	1980	1860	1910	1180	1080	1130	1610	947	1420	1250	1140	1190
24	2300	1840	1910	1160	1070	1120	947	675	738	1240	1120	1190
25	1930	1380	1720	1180	1080	1140	1000	788	911	1250	1150	1200
26	2320	1570	1780	1500	1080	1180	2560	1000	1880	1300	1200	1240
27	2140	1460	1580	1170	1050	1120	2570	2340	2450	1310	1210	1260
28	1490	1390	1450	1190	1090	1140	2340	1610	1860	1300	1240	1270
29	1410	1250	1320	1200	1080	1160	1610	1540	1570	1290	1220	1260
30	1430	1250	1320	1190	1080	1160	1620	1540	1580	1430	1220	1290
31	---	---	---	1200	1110	1160	1540	1310	1460	---	---	---
MONTH	2340	1250	1850	1730	1040	1210	2570	404	1170	2730	732	1410
YEAR	19800	404	1780									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.1	13.8	17.7	9.8	6.3	7.5	3.7	-.2	1.0	-.1	-.2	-.2
2	22.3	13.1	17.2	9.8	5.0	6.9	3.9	-.2	1.1	-.1	-.2	-.2
3	21.0	13.5	17.1	10.8	5.1	7.4	3.4	-.2	.8	-.1	-.2	-.2
4	19.6	14.3	16.5	11.2	4.4	7.5	1.9	-.2	.4	-.1	-.2	-.2
5	16.9	12.1	14.3	10.1	5.8	7.9	2.2	-.2	.4	-.1	-.2	-.2
6	19.7	11.5	15.0	8.4	3.7	6.0	2.4	-.2	.5	-.1	-.2	-.1
7	19.2	11.7	15.0	6.9	1.1	3.5	.6	-.2	.0	-.1	-.2	-.1
8	17.7	12.2	14.5	6.3	.1	3.0	2.6	-.2	.9	-.1	-.2	-.1
9	19.4	12.0	15.1	7.4	1.3	3.7	5.0	1.0	2.5	-.1	-.2	-.2
10	15.7	12.2	13.5	5.3	2.4	3.7	3.7	1.6	2.4	.0	-.2	-.1
11	15.1	10.8	12.5	5.8	1.6	3.3	4.5	-.2	2.0	.0	-.2	-.1
12	16.5	9.5	12.4	5.7	.6	2.6	2.2	.4	1.2	-.1	-.1	-.1
13	15.9	9.3	11.9	4.6	-.2	1.3	3.8	.4	1.8	.6	-.2	.1
14	15.8	7.8	11.3	4.1	-.2	1.2	3.2	.1	1.3	.3	-.2	-.1
15	15.7	7.3	11.0	5.0	.4	2.0	2.9	-.2	.8	-.1	-.2	-.1
16	15.5	6.8	10.7	5.7	-.2	1.6	2.5	-.2	.5	.1	-.2	-.1
17	15.9	6.7	10.8	2.2	-.2	.3	1.2	-.3	.1	-.1	-.2	-.1
18	16.2	6.8	11.0	2.0	-.3	.3	-.1	-.6	-.2	-.1	-.5	-.2
19	16.1	7.6	11.3	1.4	-.2	.2	-.1	-.3	-.2	-.1	-.2	-.1
20	16.0	7.1	11.1	1.8	-.2	.2	-.1	-.2	-.2	-.1	-.2	-.1
21	14.4	7.0	10.6	1.3	-.2	.2	-.1	-.2	-.2	-.1	-.2	-.1
22	14.3	10.6	12.2	2.8	-.2	.8	-.1	-.2	-.1	-.1	-.2	-.2
23	12.4	10.4	11.3	5.3	.0	2.0	-.1	-.2	-.1	1.4	-.2	.1
24	11.7	9.6	10.5	4.2	-.2	1.2	-.1	-.1	-.1	2.3	-.2	.5
25	12.8	9.0	10.4	5.0	-.2	1.6	-.1	-.1	-.1	4.8	-.1	1.4
26	13.2	8.0	10.0	5.0	-.2	1.7	-.1	-.1	-.1	2.2	-.1	.6
27	11.8	8.2	9.9	5.4	.0	2.2	-.1	-.2	-.1	.4	-.1	.1
28	12.4	9.1	10.4	5.3	-.2	2.0	-.1	-.2	-.2	3.3	-.1	1.1
29	11.3	8.1	9.3	4.7	-.2	1.6	-.1	-.2	-.1	5.5	-.2	1.5
30	11.1	7.8	9.2	4.0	-.2	1.3	-.1	-.2	-.2	2.2	-.2	.4
31	10.0	7.1	8.5	---	---	---	-.1	-.2	-.2	-.1	-.2	-.1
MONTH	22.3	6.7	12.3	11.2	-.3	2.8	5.0	-.6	.5	5.5	-.5	.1

09171100 DOLORES RIVER NEAR BEDROCK, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	-.1	-.3	-.2	8.9	3.3	5.1	16.2	8.1	11.8	21.7	13.4	17.3
2	.0	-.3	-.2	10.2	1.7	5.3	13.7	10.8	12.0	17.2	13.2	15.4
3	.4	-.2	-.1	11.5	3.7	6.5	13.0	9.8	11.0	14.0	11.5	12.8
4	2.6	-.2	.5	11.6	2.7	6.6	13.0	9.9	11.0	17.0	10.4	12.9
5	4.8	-.2	1.2	10.8	4.5	7.1	10.8	9.3	10.1	18.8	12.0	14.6
6	4.1	-.1	1.4	13.1	5.2	8.7	11.1	9.0	9.8	18.8	11.5	14.8
7	6.1	.5	2.8	12.5	6.8	9.0	9.5	7.2	8.4	21.3	11.2	15.7
8	3.3	-.1	1.7	16.1	5.6	10.2	9.4	6.5	7.7	23.4	12.7	17.5
9	2.9	-.2	.7	12.7	6.7	9.6	13.2	5.1	8.7	22.4	13.9	18.2
10	5.4	-.2	1.6	13.1	7.5	9.7	10.3	7.3	8.6	22.1	14.3	17.8
11	4.7	-.2	1.7	10.2	6.1	7.9	12.4	6.2	8.8	25.3	14.2	19.2
12	6.7	.4	2.7	12.3	5.9	8.3	11.5	7.9	9.4	25.9	14.2	19.6
13	5.7	-.1	2.6	14.7	4.9	9.1	14.3	5.5	9.4	23.2	16.3	19.5
14	5.1	1.1	2.6	11.2	5.1	7.7	15.3	7.8	10.9	25.2	16.8	20.4
15	9.2	.2	3.4	13.4	2.7	7.4	17.3	8.1	12.2	23.6	16.3	19.8
16	7.3	-.2	2.6	9.4	4.6	6.7	16.9	9.5	13.1	23.9	16.1	19.4
17	8.8	-.2	3.2	10.6	4.4	6.9	16.3	11.5	13.9	23.1	16.4	18.9
18	6.7	1.2	3.2	14.0	3.3	7.9	15.8	11.4	13.7	24.1	15.1	19.3
19	9.9	1.7	4.8	16.0	4.7	9.7	16.2	12.3	14.0	21.9	17.1	19.2
20	8.0	2.1	4.5	17.0	5.9	11.0	14.7	12.1	13.3	24.5	15.0	19.1
21	8.2	3.1	5.1	18.5	7.6	12.5	12.6	10.8	11.7	22.4	13.5	17.4
22	7.6	3.4	5.0	16.2	10.4	12.8	11.9	9.9	10.7	23.5	12.6	17.6
23	5.6	3.2	4.3	17.7	9.4	13.1	15.7	8.5	11.7	25.0	14.0	19.1
24	7.8	2.1	4.4	17.9	8.8	12.9	17.4	9.5	13.2	25.9	14.9	20.1
25	6.4	2.9	4.4	17.6	9.3	12.9	19.2	11.2	14.9	25.8	15.9	20.4
26	5.3	1.4	3.2	15.5	9.4	11.8	21.5	12.4	16.3	25.8	16.1	20.6
27	7.8	2.6	4.6	16.3	8.8	11.9	19.7	13.2	16.2	25.3	16.0	20.3
28	6.7	3.7	4.7	13.8	8.5	10.6	20.0	13.8	16.7	24.1	17.4	20.5
29	---	---	---	12.7	8.7	10.2	20.2	13.2	16.5	25.4	15.2	20.1
30	---	---	---	14.4	7.0	10.4	21.3	13.0	16.7	26.5	15.7	20.6
31	---	---	---	16.0	7.4	11.2	---	---	---	27.2	15.5	20.9
MONTH	9.9	-.3	2.7	18.5	1.7	9.4	21.5	5.1	12.1	27.2	10.4	18.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	28.7	15.9	21.7	28.1	21.1	24.0	28.5	20.3	23.8	24.6	17.9	21.0
2	24.2	15.9	20.0	30.0	18.5	24.0	31.5	20.3	25.1	25.8	17.2	21.3
3	23.5	15.9	19.3	31.3	19.2	24.9	28.7	21.4	24.2	27.8	16.9	21.7
4	24.3	16.0	19.4	33.4	20.7	25.9	31.4	21.3	25.2	26.3	19.0	21.7
5	25.5	12.9	18.7	33.0	20.3	25.4	29.0	21.7	25.0	25.1	17.1	20.9
6	27.5	14.3	20.7	31.5	20.2	25.4	31.7	22.4	25.6	23.2	16.2	19.2
7	28.7	16.7	22.1	30.4	22.3	25.9	24.8	22.6	23.7	24.1	13.0	17.9
8	27.3	17.6	21.5	32.9	21.3	26.4	29.3	21.6	24.5	21.6	11.9	16.4
9	27.8	16.9	22.0	32.9	22.4	26.5	28.3	21.7	24.2	23.1	10.5	16.2
10	27.7	16.8	22.1	31.4	21.7	25.0	26.1	21.4	23.3	23.5	11.0	16.8
11	27.2	16.5	21.5	30.9	20.6	25.2	28.4	19.1	23.2	25.0	13.2	18.4
12	23.5	15.6	19.4	30.6	21.5	25.3	28.8	20.4	24.1	24.2	13.9	19.0
13	18.0	13.7	15.5	26.0	21.3	23.5	23.3	21.2	22.2	23.9	17.2	19.7
14	24.8	11.1	17.4	24.7	20.3	22.2	25.0	20.2	22.2	24.5	15.4	19.6
15	25.7	12.4	18.8	26.5	19.4	21.7	26.9	20.3	22.8	24.0	14.4	18.8
16	27.4	14.2	20.5	27.7	18.6	22.6	26.7	18.6	22.0	24.7	14.8	19.0
17	27.2	15.1	20.9	27.6	17.6	22.2	27.9	18.4	22.7	23.8	16.2	19.5
18	27.8	16.0	21.8	28.2	19.3	23.2	29.2	18.5	23.3	24.9	14.8	19.2
19	28.2	16.2	22.1	26.7	18.8	23.0	28.3	19.3	23.1	23.3	14.1	18.4
20	29.5	16.8	22.9	29.9	19.2	24.0	26.5	20.0	22.6	24.5	13.5	18.5
21	29.3	17.1	23.0	29.9	19.4	24.1	26.0	19.4	22.2	24.7	13.6	18.5
22	29.9	17.7	23.5	30.9	18.5	24.1	26.3	18.8	21.0	23.3	13.7	18.3
23	28.8	18.1	22.5	26.5	18.8	22.6	27.1	16.4	21.3	24.4	13.1	18.3
24	26.9	19.2	22.7	26.9	20.3	23.0	25.9	18.8	22.0	24.2	13.0	18.2
25	28.8	19.2	23.8	31.1	18.9	23.8	28.2	18.1	22.6	24.0	13.1	18.1
26	24.1	19.7	21.3	26.9	20.4	22.9	28.6	17.5	22.7	23.3	13.2	18.0
27	26.2	17.0	21.6	30.3	18.6	23.8	29.1	17.8	22.9	24.3	12.9	18.1
28	30.7	17.4	23.8	31.7	18.6	24.6	27.7	18.2	22.0	22.5	13.1	17.4
29	32.2	19.2	25.1	30.2	19.0	24.4	26.8	18.0	21.5	23.4	13.3	17.6
30	32.6	20.2	25.9	28.5	19.7	23.6	24.8	17.2	20.5	23.8	12.8	17.6
31	---	---	---	28.0	21.0	24.3	26.0	17.7	21.4	---	---	---
MONTH	32.6	11.1	21.4	33.4	17.6	24.1	31.7	16.4	23.0	27.8	10.5	18.8
YEAR	33.4	-.6	12.2									

09172500 SAN MIGUEL RIVER NEAR PLACERVILLE, CO

LOCATION.--Lat 38°02'33", long 108°07'54", in NW$^1/_4$NE$^1/_4$ 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 fair 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	91	89	e60	e60	64	88	715	839	415	372	145
2	97	90	86	e60	e59	61	113	734	912	410	360	142
3	99	88	83	e61	e60	63	128	673	767	440	273	137
4	100	85	e82	e60	e60	54	154	601	677	406	290	136
5	114	89	e81	e61	e60	58	156	595	584	381	275	134
6	106	80	e80	e60	e59	63	139	583	638	408	311	123
7	100	67	e79	e60	e59	66	115	587	782	382	333	112
8	102	63	e80	e60	e60	64	111	563	763	362	447	112
9	111	84	e78	e61	e60	65	99	553	748	352	346	110
10	104	79	74	e61	e59	64	107	495	810	366	338	108
11	108	80	76	e60	e60	59	97	560	767	379	311	104
12	128	74	83	e60	e60	58	92	508	696	402	249	102
13	110	73	82	e60	e61	61	87	513	625	368	229	108
14	100	e74	80	e60	e61	59	93	755	521	378	264	113
15	97	e79	66	e61	e62	55	101	831	410	423	244	103
16	96	e80	e65	e60	e63	56	138	872	381	354	217	100
17	93	e82	e67	e60	e61	55	203	875	457	359	195	113
18	89	e82	e61	e59	e60	49	291	838	522	341	177	113
19	93	e84	e62	e60	e60	52	361	847	532	325	160	103
20	91	e87	e62	e59	e60	63	307	877	530	314	165	102
21	88	e88	e61	e59	e60	70	244	927	518	302	191	99
22	86	e87	e61	e59	e60	79	222	795	542	332	200	98
23	98	e89	e61	e59	e60	82	207	816	512	331	223	97
24	122	e90	e60	e59	e59	96	243	853	478	337	178	93
25	102	e91	e61	e59	56	112	258	924	494	330	168	90
26	92	e93	e60	e59	57	130	273	866	500	319	152	91
27	93	e93	e60	e59	68	101	283	907	474	318	148	88
28	115	e91	e60	e59	68	95	350	855	418	285	156	76
29	106	e94	e60	e59	---	89	387	826	436	270	153	74
30	96	e91	e60	e60	---	91	449	697	451	272	152	73
31	99	---	e60	e60	---	84	---	783	---	348	150	---
TOTAL	3142	2518	2180	1854	1692	2218	5896	22824	17784	11009	7427	3199
MEAN	101	83.9	70.3	59.8	60.4	71.5	197	736	593	355	240	107
MAX	128	94	89	61	68	130	449	927	912	440	447	145
MIN	86	63	60	59	56	49	87	495	381	270	148	73
AC-FT	6230	4990	4320	3680	3360	4400	11690	45270	35270	21840	14730	6350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2001, BY WATER YEAR (WY)

MEAN	114	84.4	69.2	63.7	63.3	77.3	236	574	793	449	218	143
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1911 - 2001	
ANNUAL TOTAL	75556		81743			
ANNUAL MEAN	206		224		240	
HIGHEST ANNUAL MEAN					414	1983
LOWEST ANNUAL MEAN					88.8	1977
HIGHEST DAILY MEAN	1070	May 29	927	May 21	2740	Jun 21 1983
LOWEST DAILY MEAN	e60	Dec 24	49	Mar 18	26	Jan 5 1960
ANNUAL SEVEN-DAY MINIMUM	60	Dec 24	55	Mar 13	31	Dec 25 1976
MAXIMUM PEAK FLOW			1860	Aug 8	a3830	Jun 24 1983
MAXIMUM PEAK STAGE			5.22	Aug 8	b6.20	Jun 24 1983
ANNUAL RUNOFF (AC-FT)	149900		162100		173700	
10 PERCENT EXCEEDS	555		585		655	
50 PERCENT EXCEEDS	98		100		106	
90 PERCENT EXCEEDS	75		60		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$^1/_4$NE$^1/_4$ 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.--Records good except for estimated daily discharges, which are poor. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	110	60	e66	60	79	151	513	733	271	91	38
2	28	104	63	53	62	74	221	581	776	279	140	37
3	23	98	78	63	63	77	246	546	714	281	147	34
4	22	98	63	e66	e63	67	350	474	618	269	257	29
5	37	100	77	e66	e63	65	386	520	501	238	238	30
6	35	101	86	e66	61	73	348	571	507	243	183	22
7	31	87	82	e66	e58	76	263	520	620	250	205	16
8	29	68	e81	e64	e57	71	238	451	615	279	216	7.7
9	77	85	e81	47	e57	30	190	448	594	226	340	5.4
10	114	92	77	e64	e56	16	255	444	701	315	236	3.8
11	113	94	76	e63	e60	17	224	482	697	338	252	2.7
12	129	93	85	e63	e46	19	207	546	650	352	160	2.4
13	134	72	89	e62	e44	18	177	555	561	311	123	2.3
14	114	68	85	e60	e49	22	206	761	462	297	149	8.8
15	108	95	75	59	e48	32	227	798	351	383	155	9.4
16	103	88	69	58	e44	76	348	811	294	302	112	5.3
17	100	67	63	58	e52	83	534	788	336	200	108	3.3
18	100	e81	36	59	e57	68	744	770	397	131	91	7.0
19	100	e84	61	60	e57	67	882	782	430	118	e77	14
20	97	e84	e71	61	e62	76	754	857	439	96	e77	9.8
21	96	e86	73	e61	e62	86	513	796	414	84	e80	9.4
22	96	e86	e73	e62	e61	102	412	669	428	69	e80	7.2
23	108	e86	e73	e61	e58	113	326	647	411	61	110	5.4
24	137	e87	73	e61	e57	122	406	702	365	52	99	3.6
25	124	e87	e72	e61	e54	137	445	764	380	58	87	e2.5
26	111	e87	e71	e61	e60	174	433	712	366	54	e68	e2.4
27	103	e86	e70	e61	81	182	435	735	363	51	e53	e2.4
28	114	83	e67	e62	85	152	454	789	297	35	e43	6.4
29	131	65	e67	e61	---	138	492	789	299	28	e82	4.8
30	113	66	e66	61	---	126	483	639	304	23	43	8.9
31	115	---	e67	60	---	129	---	684	---	41	42	---
TOTAL	2777	2588	2230	1896	1637	2567	11350	20144	14623	5735	4144	340.9
MEAN	89.6	86.3	71.9	61.2	58.5	82.8	378	650	487	185	134	11.4
MAX	137	110	89	66	85	182	882	857	776	383	340	38
MIN	22	65	36	47	44	16	151	444	294	23	42	2.3
AC-FT	5510	5130	4420	3760	3250	5090	22510	39960	29000	11380	8220	676

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

MEAN	143	104	92.1	89.1	85.8	200	641	923	823	411	210	103
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	89.6	86.3	71.9	61.2	58.5	82.8	333	622	379	57.0	11.0	11.4
(WY)	2001	2001	2001	2001	2001	2001	1999	1996	2000	2000	1996	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1995 - 2001	
ANNUAL TOTAL	72880.3		70031.9			
ANNUAL MEAN	199		192		291	
HIGHEST ANNUAL MEAN					499	1997
LOWEST ANNUAL MEAN					178	1996
HIGHEST DAILY MEAN	1140	Apr 10	882	Apr 19	a2370	Jun 17 1995
LOWEST DAILY MEAN	3.5	Aug 3	2.3	Sep 13	2.3	Sep 13 2001
ANNUAL SEVEN-DAY MINIMUM	4.8	Jul 31	3.9	Sep 23	3.6	Aug 14 1996
MAXIMUM PEAK FLOW			1210	Apr 19	3290	Apr 24 1998
MAXIMUM PEAK STAGE			4.30	Apr 19	b6.30	Apr 24 1998
ANNUAL RUNOFF (AC-FT)	144600		138900		210900	
10 PERCENT EXCEEDS	671		546		914	
50 PERCENT EXCEEDS	90		86		126	
90 PERCENT EXCEEDS	15		29		48	

e Estimated.
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$^1/_4$NE$^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	136	e88	e71	67	100	193	740	785	317	105	77
2	81	116	71	62	74	92	265	829	823	320	164	74
3	76	112	e86	68	e77	93	308	814	785	315	179	72
4	70	111	82	e70	e77	90	411	693	675	308	320	62
5	96	111	65	e71	e78	83	461	697	579	284	279	60
6	91	115	94	e71	e80	86	430	762	553	276	241	53
7	81	102	95	e72	e84	95	356	690	640	275	221	49
8	77	86	e95	e71	e88	99	305	621	656	325	252	40
9	87	85	e95	70	e91	78	261	625	641	258	412	37
10	149	110	e94	e71	92	59	296	646	710	332	287	35
11	129	108	94	e71	106	61	298	685	721	411	341	34
12	136	108	95	e71	95	60	269	748	677	378	221	33
13	148	94	108	e71	84	51	243	775	604	344	180	33
14	129	79	104	e70	e92	47	253	957	544	323	206	36
15	116	97	100	67	e92	53	283	1030	433	393	208	47
16	115	97	74	e67	83	91	417	988	360	336	176	42
17	113	92	76	e67	93	114	622	958	373	251	145	45
18	108	87	48	66	e94	105	845	945	433	181	128	40
19	105	e89	46	e66	e94	95	1070	910	460	141	104	48
20	105	e91	e76	e67	96	97	990	1040	466	140	92	41
21	107	e93	e76	e67	e95	111	698	932	450	113	108	44
22	105	e96	77	e67	e94	126	543	804	454	109	149	41
23	134	e98	e76	e67	e92	147	460	751	449	98	193	36
24	219	e99	e76	e68	e90	161	510	789	411	86	146	33
25	161	e100	e76	e67	e85	175	576	851	414	90	117	34
26	129	e101	e75	e68	82	211	601	821	406	95	99	33
27	116	e101	e73	e69	97	234	624	822	413	85	83	33
28	120	101	70	e69	108	210	666	863	353	83	69	33
29	144	99	e72	e68	---	191	723	872	341	62	77	32
30	127	91	72	e69	---	173	718	731	343	47	92	29
31	157	---	e72	e68	---	171	---	732	---	48	82	---
TOTAL	3624	3005	2501	2127	2480	3559	14695	25121	15952	6824	5476	1306
MEAN	117	100	80.7	68.6	88.6	115	490	810	532	220	177	43.5
MAX	219	136	108	72	108	234	1070	1040	823	411	412	77
MIN	70	79	46	62	67	47	193	621	341	47	69	29
AC-FT	7190	5960	4960	4220	4920	7060	29150	49830	31640	13540	10860	2590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2001, BY WATER YEAR (WY)

MEAN	141	119	96.4	89.8	107	197	852	1193	1001	434	198	130
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1954 - 2001	
ANNUAL TOTAL	94185		86670			
ANNUAL MEAN	257		237		381	
HIGHEST ANNUAL MEAN					758	1984
LOWEST ANNUAL MEAN					89.3	1977
HIGHEST DAILY MEAN	1630	May 9	1070	Apr 19	5440	May 16 1984
LOWEST DAILY MEAN	16	Aug 11	29	Sep 30	9.4	Aug 10 1977
ANNUAL SEVEN-DAY MINIMUM	17	Aug 8	32	Sep 24	14	Aug 8 1977
MAXIMUM PEAK FLOW			1490	Apr 19	a8050	May 10 1983
MAXIMUM PEAK STAGE			5.27	Apr 19	10.14	May 10 1983
ANNUAL RUNOFF (AC-FT)	186800		171900		275800	
10 PERCENT EXCEEDS	881		695		1060	
50 PERCENT EXCEEDS	111		105		136	
90 PERCENT EXCEEDS	52		62		59	

e Estimated.
a From rating curve extended above 4100 ft^3/s.

404417108524900 GREEN RIVER ABOVE GATES OF LODORE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°44'17", long 108°52'49", in NE$^1/_4$ SE$^1/_4$ 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 2000 TO SEPTEMBER 2001

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)	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)
MAY											
15...	1500	2980	12.3	546	4390	26	--	--	--	--	--
16...	0900	3340	9.6	1130	10200	20	--	--	--	--	--
24...	1145	4300	11.5	149	1730	--	32	54	92	100	--
25...	1000	3660	11.6	481	4750	--	9	12	25	76	93
28...	0937	2270	11.2	78	478	--	35	42	82	100	100

BEDLOAD SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	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)	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)
MAY													
15...	1501	2980	12.3	642	2070	0	1	10	64	89	95	98	100
16...	0901	3340	9.6	636	1620	0	1	15	71	92	96	98	99
24...	1146	4300	11.5	640	852	0	0	6	69	91	97	99	100
25...	1001	3660	11.6	637	1160	0	0	5	62	86	94	98	100
28...	0938	2270	11.2	632	744	0	0	4	66	90	96	98	100

DATE	SED. BEDLOAD SIEVE DIAM. % FINER THAN 16.0 MM (80234)
MAY	
15...	--
16...	100
24...	100
25...	100
28...	--

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 RECORDS.--WDR CO-00-2: Drainage area.

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 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	45	e45	e45	e45	e44	95	110	89	69	85	44
2	43	43	e40	e45	e45	e44	137	114	90	68	75	42
3	43	44	e43	e45	e45	e43	184	110	89	69	71	39
4	45	49	e40	e46	e45	e42	150	111	79	66	80	36
5	42	45	e43	e46	e45	e42	123	158	80	61	74	37
6	41	44	e45	e46	e44	e43	123	146	69	71	67	42
7	41	46	e45	e44	e44	e43	101	115	60	77	66	42
8	41	48	e45	e43	e45	e42	97	105	61	82	67	60
9	44	43	e45	e44	e41	e42	86	111	63	88	78	54
10	44	52	e45	e45	e45	e43	84	113	65	91	84	46
11	42	39	e45	e46	e46	e43	81	119	62	101	80	43
12	41	e44	e45	e46	e46	e42	78	120	58	117	69	41
13	42	e35	e45	e48	e45	e42	78	123	66	125	63	40
14	43	e45	e45	e46	e45	e42	76	117	78	142	71	44
15	43	e45	e45	e45	e45	40	72	121	76	132	70	41
16	43	e45	e45	e45	e45	e43	80	128	72	113	64	41
17	42	e45	e44	e46	e45	e45	92	128	68	101	60	48
18	42	e45	e44	e45	e46	47	104	136	68	94	59	49
19	41	e45	e43	e46	e46	42	105	125	68	92	57	44
20	41	e45	e45	e45	e46	47	114	116	60	87	59	42
21	41	e42	e44	e45	e45	56	97	103	61	88	58	39
22	40	e42	e45	e45	e46	86	96	81	58	86	61	39
23	39	e43	e45	e46	e46	89	89	70	57	92	64	36
24	42	e43	e45	e45	e44	78	101	68	63	100	56	34
25	48	e42	e45	e46	e43	90	110	71	75	99	50	33
26	45	e40	e44	e45	e43	106	99	74	76	112	41	33
27	46	e40	e44	e42	e44	97	103	67	92	116	39	32
28	46	e40	e45	e45	45	80	113	84	87	93	38	35
29	52	e41	e45	e46	---	68	112	76	76	83	39	36
30	47	e45	e45	e45	---	62	106	75	70	80	38	35
31	44	---	e46	e44	---	66	---	81	---	86	40	---
TOTAL	1339	1310	1375	1401	1255	1739	3086	3276	2136	2881	1923	1227
MEAN	43.2	43.7	44.4	45.2	44.8	56.1	103	106	71.2	92.9	62.0	40.9
MAX	52	52	46	48	46	106	184	158	92	142	85	60
MIN	39	35	40	42	41	40	72	67	57	61	38	32
AC-FT	2660	2600	2730	2780	2490	3450	6120	6500	4240	5710	3810	2430

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	53.0	53.7	43.9	42.1	42.9	63.5	118	130	123	108	77.7	54.5
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1989 - 2001	
ANNUAL TOTAL	24560		22948			
ANNUAL MEAN	67.1		62.9		75.9	
HIGHEST ANNUAL MEAN					135	1997
LOWEST ANNUAL MEAN					44.6	1994
HIGHEST DAILY MEAN	176	Apr 6	184	Apr 3	582	Jun 9 1997
LOWEST DAILY MEAN	31	Sep 16	32	Sep 27	14	Jan 24 1990
ANNUAL SEVEN-DAY MINIMUM	34	Sep 15	34	Sep 24	15	Jan 22 1990
MAXIMUM PEAK FLOW			256	Apr 3	765	Mar 26 1998
MAXIMUM PEAK STAGE			a4.50	Apr 3	b5.96	Mar 26 1998
ANNUAL RUNOFF (AC-FT)	48710		45520		54970	
10 PERCENT EXCEEDS	122		106		138	
50 PERCENT EXCEEDS	50		46		57	
90 PERCENT EXCEEDS	43		41		33	

e Estimated.
a Maximum gage height 6.61 ft, Nov 15, 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.

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-00-2: 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.--Records good except Oct. 1-9, and Oct. 13 to Dec. 27, which are fair, and estimated daily discharges, which are poor. Flow regulated since Dec. 20, 1988, by Stagecoach Reservoir (capacity 33,275 acre-ft), 0.3 mi upstream. 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 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	57	22	82	63	76	52	74	80	57	91	73
2	69	55	23	84	63	77	66	75	72	62	88	75
3	69	54	22	85	55	61	65	74	72	62	86	78
4	69	52	22	84	51	59	56	76	80	64	79	78
5	71	52	22	81	63	76	65	63	80	64	78	78
6	67	54	21	67	68	77	65	66	80	63	84	78
7	67	53	21	68	55	76	51	81	80	57	84	77
8	61	52	21	76	62	70	51	81	76	57	83	73
9	63	52	21	76	62	63	65	80	64	74	83	72
10	e62	50	20	68	51	50	64	80	65	74	83	76
11	e61	54	20	64	51	50	64	80	71	76	76	73
12	e61	50	20	64	61	63	64	67	71	76	73	73
13	60	48	19	38	63	63	58	67	71	81	82	73
14	56	47	19	38	63	61	51	81	68	91	82	71
15	56	46	19	67	58	64	51	88	71	75	81	64
16	59	46	18	73	71	64	63	94	66	77	82	64
17	58	43	18	73	56	51	63	93	66	94	82	70
18	59	42	19	73	59	51	61	93	72	94	76	70
19	59	41	18	70	75	65	68	90	72	93	76	70
20	58	43	18	49	75	65	75	90	71	93	83	70
21	54	42	18	49	75	65	60	93	69	93	83	70
22	55	37	19	68	75	65	60	93	71	92	78	65
23	57	42	18	69	75	65	74	89	66	92	78	65
24	56	41	18	61	59	52	74	83	66	89	78	70
25	56	39	18	48	59	52	74	83	71	76	73	71
26	56	39	18	61	75	66	74	72	65	86	73	70
27	50	40	25	50	75	65	74	72	63	109	79	70
28	52	29	64	50	74	65	62	80	67	111	79	65
29	53	23	79	62	---	65	60	76	61	105	79	48
30	56	23	79	63	---	66	74	78	59	99	80	48
31	55	---	78	62	---	52	---	80	---	97	79	---
TOTAL	1853	1346	837	2023	1792	1960	1904	2492	2106	2533	2491	2098
MEAN	59.8	44.9	27.0	65.3	64.0	63.2	63.5	80.4	70.2	81.7	80.4	69.9
MAX	71	57	79	85	75	77	75	94	80	111	91	78
MIN	50	23	18	38	51	50	51	63	59	57	73	48
AC-FT	3680	2670	1660	4010	3550	3890	3780	4940	4180	5020	4940	4160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	65.4	62.3	60.5	63.5	62.9	63.5	73.5	115	119	93.0	84.0	74.9
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	27.0	37.2	30.0	18.0	32.3	12.4	12.8	22.3	34.4	31.8
(WY)	1991	1991	2001	1989	1989	1989	1989	1989	1989	1989	1989	1990

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1989 - 2001	
ANNUAL TOTAL	24992		23435			
ANNUAL MEAN	68.3		64.2		a78.2	
HIGHEST ANNUAL MEAN					134	1997
LOWEST ANNUAL MEAN					32.1	1989
HIGHEST DAILY MEAN	98	Mar 3	111	Jul 28	b611	Jun 9 1997
LOWEST DAILY MEAN	18	Dec 16	18	Dec 16	c9.4	Jun 1 1989
ANNUAL SEVEN-DAY MINIMUM	18	Dec 19	18	Dec 19	10	May 29 1989
MAXIMUM PEAK FLOW			119	Jul 27	d641	Jun 11 1997
MAXIMUM PEAK STAGE			f2.37	Jul 27	g3.82	Jun 11 1997
ANNUAL RUNOFF (AC-FT)	49570		46480		56640	
10 PERCENT EXCEEDS	88		83		121	
50 PERCENT EXCEEDS	70		66		68	
90 PERCENT EXCEEDS	42		41		40	

e Estimated.
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, 2.52 ft, Oct 5, backwater from vegetation.
g 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 $SE^1/_4SE^1/_4$ 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.

PERIOD OF RECORD.--October 1966 to September 1972, May 1982 to current year.

REVISED RECORDS.--WDR CO-00-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry, and concrete control. Elevation of gage is 7,150 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	1.4	3.8	1.9	2.0	1.7	11	143	502	24	7.8	3.9
2	5.0	4.2	3.4	1.9	2.5	2.0	11	140	504	21	7.4	3.5
3	4.4	5.7	3.3	2.6	1.8	1.8	14	109	437	18	7.4	3.3
4	3.8	4.1	3.3	1.8	1.8	1.7	19	88	312	15	7.1	3.0
5	2.8	4.1	3.3	2.3	1.6	1.7	21	75	259	13	6.1	4.3
6	3.1	4.6	3.3	2.0	2.6	1.8	24	64	311	11	6.0	3.9
7	2.7	4.2	3.0	2.0	1.7	2.4	20	65	363	12	6.1	4.3
8	3.3	3.8	2.6	3.6	1.5	3.3	18	88	366	12	8.9	8.1
9	2.7	4.3	3.3	3.4	2.3	3.9	16	134	325	6.9	11	7.3
10	2.6	3.4	3.2	2.0	1.7	4.1	16	207	310	6.4	18	8.9
11	3.2	3.6	3.8	3.1	1.8	3.6	16	256	288	9.4	10	9.1
12	3.2	3.9	3.5	2.7	1.6	3.3	15	286	228	12	8.3	6.2
13	3.0	3.8	3.9	2.2	1.8	3.4	13	340	186	7.7	7.3	6.6
14	3.6	3.7	3.2	2.4	1.7	3.3	13	377	135	8.6	11	9.4
15	3.7	4.3	3.2	2.2	2.4	3.5	13	433	116	12	14	6.1
16	4.5	4.2	4.7	2.8	2.1	3.5	16	525	114	14	11	5.7
17	3.9	3.7	3.5	2.3	1.6	3.1	24	498	115	7.0	6.5	11
18	4.2	3.5	3.5	2.3	1.5	3.1	36	436	114	4.1	5.7	12
19	3.0	4.2	4.5	2.2	1.5	4.2	42	497	111	3.6	4.9	8.5
20	3.1	3.1	3.9	2.2	1.9	3.1	44	461	99	2.6	5.2	3.0
21	3.2	3.0	3.6	2.1	1.9	3.7	37	330	88	4.3	5.8	1.7
22	3.2	3.1	2.3	2.1	2.1	6.5	31	252	79	4.2	5.8	2.3
23	3.2	2.9	3.6	2.1	1.8	11	26	301	71	3.7	5.3	4.5
24	3.4	2.8	2.5	2.0	1.9	14	25	379	65	4.0	4.8	4.3
25	4.0	3.3	3.0	2.2	1.8	16	32	429	69	3.6	4.1	4.2
26	4.2	3.1	3.0	2.2	1.8	18	51	487	58	5.8	3.7	4.2
27	2.8	2.3	2.8	2.0	1.9	17	83	575	64	5.2	3.3	4.6
28	2.2	3.9	2.3	1.8	2.1	14	113	496	46	3.4	3.4	3.5
29	3.3	3.5	2.9	1.9	---	13	124	412	36	2.3	3.2	3.6
30	2.6	4.1	1.9	2.8	---	11	124	451	29	1.7	3.4	3.6
31	2.3	---	2.4	1.8	---	11	---	460	---	5.0	3.3	---
TOTAL	105.4	109.8	100.5	70.9	52.7	193.7	1048	9794	5800	263.5	215.8	164.6
MEAN	3.40	3.66	3.24	2.29	1.88	6.25	34.9	316	193	8.50	6.96	5.49
MAX	5.2	5.7	4.7	3.6	2.6	18	124	575	504	24	18	12
MIN	2.2	1.4	1.9	1.8	1.5	1.7	11	64	29	1.7	3.2	1.7
AC-FT	209	218	199	141	105	384	2080	19430	11500	523	428	326
a	157	137	170	188	168	197	136	181	320	383	314	216

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2001, BY WATER YEAR (WY)

MEAN	11.4	10.3	7.74	6.03	5.60	9.23	35.0	212	377	87.1	9.68	10.5
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	2.29	1.88	4.85	8.21	85.5	124	8.50	.86	.73
(WY)	1993	1989	2000	2001	2001	2000	1983	1983	1987	2001	1994	1994

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1967 - 2001	
ANNUAL TOTAL	21482.9		17918.9			
ANNUAL MEAN	58.7		49.1			
HIGHEST ANNUAL MEAN					98.6	1984
LOWEST ANNUAL MEAN					41.6	1989
HIGHEST DAILY MEAN	717	Jun 1	575	May 27	814	Jun 21 1968
LOWEST DAILY MEAN	1.4	Nov 1	1.4	Nov 1	.01	Aug 7 1972
ANNUAL SEVEN-DAY MINIMUM	2.1	Feb 3	1.8	Feb 17	.11	Aug 7 1972
MAXIMUM PEAK FLOW			758	May 27	1110	Jun 20 1968
MAXIMUM PEAK STAGE			2.71	May 27	3.14	Jun 20 1968
ANNUAL RUNOFF (AC-FT)	42610		35540			
10 PERCENT EXCEEDS	195		141		246	
50 PERCENT EXCEEDS	4.1		4.2		9.8	
90 PERCENT EXCEEDS	2.5		2.0		3.3	

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$^1/_4$NE$^1/_4$ 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.

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.--WDR CO-00-2: 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.--Records good except for estimated daily discharges, which are poor. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	94	121	84	106	134	256	1150	1900	160	138	96
2	91	90	128	84	105	130	305	1250	1890	139	135	95
3	88	85	129	90	106	130	383	1050	1740	134	132	95
4	86	84	127	92	107	131	441	827	1500	126	126	93
5	84	96	111	93	109	131	403	770	1320	133	114	97
6	84	104	87	97	119	135	473	721	1300	124	107	101
7	82	99	87	94	122	140	435	706	1330	117	108	105
8	81	98	92	91	121	151	380	806	1280	121	116	136
9	78	100	90	95	116	153	353	1050	1190	106	132	134
10	78	100	89	100	121	157	370	1310	1100	120	174	131
11	79	97	85	103	121	155	379	1570	1030	147	156	137
12	78	98	94	107	119	148	365	1760	909	139	137	127
13	77	100	87	108	125	146	357	1950	821	132	117	121
14	78	100	86	107	137	147	354	2050	759	126	127	125
15	78	101	89	102	141	143	337	2270	700	140	146	120
16	79	98	89	103	140	143	325	2480	632	146	144	111
17	80	97	89	101	138	143	293	2610	574	150	129	131
18	81	98	92	104	138	141	336	2490	514	143	119	147
19	79	103	90	105	144	142	371	2570	471	e141	110	139
20	81	109	98	103	143	148	397	2510	418	e146	106	120
21	79	111	101	102	143	158	353	2230	356	e143	113	111
22	77	111	98	103	143	186	350	1910	323	e139	117	105
23	76	133	93	104	143	206	318	1980	283	e135	114	98
24	92	139	90	102	144	230	309	2150	263	e130	111	95
25	91	127	93	e98	141	261	315	2240	266	117	107	96
26	89	121	87	e97	141	310	388	2290	239	116	99	94
27	85	122	81	e98	142	292	648	2380	261	136	94	99
28	80	119	80	e98	138	259	888	2260	238	151	94	98
29	86	120	77	e99	---	229	998	1940	211	149	95	93
30	90	120	79	e99	---	225	1020	1890	183	139	93	84
31	92	---	88	e104	---	217	---	1850	---	141	97	---
TOTAL	2575	3174	2927	3067	3613	5421	12900	55020	24001	4186	3707	3334
MEAN	83.1	106	94.4	98.9	129	175	430	1775	800	135	120	111
MAX	96	139	129	108	144	310	1020	2610	1900	160	174	147
MIN	76	84	77	84	105	130	256	706	183	106	93	84
AC-FT	5110	6300	5810	6080	7170	10750	25590	109100	47610	8300	7350	6610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2001, BY WATER YEAR (WY)

MEAN	136	127	105	101	103	168	656	1734	1806	366	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1910 - 2001	
ANNUAL TOTAL	154393		123925			
ANNUAL MEAN	422		340		465	
HIGHEST ANNUAL MEAN					821	1984
LOWEST ANNUAL MEAN					169	1977
HIGHEST DAILY MEAN	3860	May 30	2610	May 17	5870	Jun 14 1921
LOWEST DAILY MEAN	72	Aug 15	76	Oct 23	a4.0	Sep 8 1934
ANNUAL SEVEN-DAY MINIMUM	78	Oct 9	78	Oct 9	4.9	Sep 9 1944
MAXIMUM PEAK FLOW			2830	May 16	b6820	Jun 14 1921
MAXIMUM PEAK STAGE			5.55	May 16	c7.08	Jun 14 1921
ANNUAL RUNOFF (AC-FT)	306200		245800		336600	
10 PERCENT EXCEEDS	1280		1040		1510	
50 PERCENT EXCEEDS	121		127		138	
90 PERCENT EXCEEDS	85		87		75	

e Estimated.
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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
DEC													
13...	1420	85	293	8.7	0	11.2	E3	E1	131	34.6	10.8	9.6	.367
MAR													
20...	1215	135	323	8.9	6.5	10.8	E11	E3	138	36.3	11.6	9.7	.359
MAY													
30...	0800	1870	54	7.8	6.1	9.9	E11	E12	22.4	6.30	1.62	1.9	.174
SEP													
05...	1000	93	324	8.4	14.4	8.1	E20	46	140	35.4	12.4	10.9	.402

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, 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)
DEC													
13...	1.68	122	30.0	4.2	.2	8.8	174	.24	40	<.006	.069	<.041	--
MAR													
20...	1.84	134	30.0	5.2	.2	13.0	189	.26	69	.002	.035	.004	.226
MAY													
30...	.49	21	4.8	.5	<.2	7.9	36.3	.05	183	<.001	.014	.007	.172
SEP													
05...	2.18	134	33.6	4.6	E.2	9.8	189	.26	48	<.001	<.005	.009	.340

DATE	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)	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)
DEC													
13...	.37	.32	.031	.009	<.018	<.14	E.6	350	<1.00	118	73.9	<.23	<2.4
MAR													
20...	.33	.23	.039	.014	.008	<.14	<1.3	290	<1.00	123	99.2	<.01	E2.1
MAY													
30...	.21	.18	.028	.013	<.007	<.10	E1.3	310	<1.00	23	9.5	.01	<2.0
SEP													
05...	.41	.35	.070	.055	.037	<.10	3.3	100	<1.00	22	8.1	.05	<2.0

DATE	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
DEC		
13...	<.2	<20
MAR		
20...	<.2	<20
MAY		
30...	<.2	<20
SEP		
05...	<.2	<20

E Estimated laboratory analysis value.

09239500 YAMPA RIVER AT STEAMBOAT SPRINGS, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
07...	1330	97	276	2.4	25...	1810	248	110	19.7
FEB					JUL				
22...	1435	131	345	.5	17...	1345	158	226	20.8
APR					AUG				
18...	1335	324	240	7.5	29...	1410	93	300	20.7

09240900 ELK RIVER ABOVE CLARK, CO

LOCATION.--Lat 40°44'36", long 106°51'17", in $SE^1/_4NW^1/_4$ 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, 1,530 ft^3/s, May 19, gage height, 3.95 ft; minimum daily, 39 ft^3/s, Sept. 26-30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	52	509	957	270	74	53
2	---	---	---	---	---	---	53	496	1060	255	68	46
3	---	---	---	---	---	---	58	350	1050	239	65	43
4	---	---	---	---	---	---	73	295	835	228	63	43
5	---	---	---	---	---	---	83	296	675	219	62	43
6	---	---	---	---	---	---	89	326	676	208	61	43
7	---	---	---	---	---	---	79	367	780	201	59	43
8	---	---	---	---	---	---	73	465	805	195	66	54
9	---	---	---	---	---	---	68	577	808	181	99	52
10	---	---	---	---	---	---	66	719	824	170	105	58
11	---	---	---	---	---	---	65	816	840	204	79	50
12	---	---	---	---	---	---	62	868	770	168	68	46
13	---	---	---	---	---	---	64	945	674	164	61	44
14	---	---	---	---	---	---	63	1030	533	156	68	46
15	---	---	---	---	---	---	63	1160	464	147	72	44
16	---	---	---	---	---	---	80	1280	450	141	69	44
17	---	---	---	---	---	---	111	1130	486	125	62	45
18	---	---	---	---	---	---	158	974	502	115	57	62
19	---	---	---	---	---	---	210	1320	499	108	54	57
20	---	---	---	---	---	---	229	1080	473	102	53	48
21	---	---	---	---	---	---	177	788	459	97	58	45
22	---	---	---	---	---	---	149	690	447	91	56	43
23	---	---	---	---	---	---	127	749	432	86	54	42
24	---	---	---	---	---	---	124	871	414	82	52	41
25	---	---	---	---	---	---	154	921	416	79	49	40
26	---	---	---	---	---	---	235	942	388	86	47	39
27	---	---	---	---	---	---	347	1000	383	86	45	39
28	---	---	---	---	---	---	429	962	343	78	43	39
29	---	---	---	---	---	---	452	944	314	72	44	39
30	---	---	---	---	---	---	431	958	289	69	43	39
31	---	---	---	---	---	---	---	915	---	75	44	---
TOTAL	---	---	---	---	---	---	4424	24743	18046	4497	1900	1370
MEAN	---	---	---	---	---	---	147	798	602	145	61.3	45.7
MAX	---	---	---	---	---	---	452	1320	1060	270	105	62
MIN	---	---	---	---	---	---	52	295	289	69	43	39
AC-FT	---	---	---	---	---	---	8780	49080	35790	8920	3770	2720

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, 2,740 ft^3/s, May 19, gage height, 4.76 ft; minimum daily, 44 ft^3/s, Aug. 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	68	1070	1340	296	75	62
2	---	---	---	---	---	---	71	975	1450	272	68	54
3	---	---	---	---	---	---	81	718	1420	251	64	51
4	---	---	---	---	---	---	105	635	1090	237	62	51
5	---	---	---	---	---	---	126	639	858	227	61	52
6	---	---	---	---	---	---	146	688	860	216	58	53
7	---	---	---	---	---	---	129	733	999	203	56	53
8	---	---	---	---	---	---	114	870	1030	196	60	68
9	---	---	---	---	---	---	102	1030	1030	181	97	65
10	---	---	---	---	---	---	98	1290	1060	172	104	70
11	---	---	---	---	---	---	102	1440	1080	213	75	62
12	---	---	---	---	---	---	144	1490	967	173	63	58
13	---	---	---	---	---	---	141	1640	804	169	56	56
14	---	---	---	---	---	---	135	1810	616	160	61	58
15	---	---	---	---	---	---	135	2030	527	153	64	56
16	---	---	---	---	---	---	167	2250	507	147	62	56
17	---	---	---	---	---	---	232	1930	550	128	56	59
18	---	---	---	---	---	---	331	1650	566	116	57	80
19	---	---	---	---	---	---	446	2350	559	111	55	73
20	---	---	---	---	---	---	491	1820	527	106	54	63
21	---	---	---	---	---	---	388	1300	510	100	52	59
22	---	---	---	---	---	---	326	1160	493	93	49	57
23	---	---	---	---	---	---	273	1260	474	88	46	55
24	---	---	---	---	---	---	276	1460	455	85	44	55
25	---	---	---	---	---	---	388	1540	454	82	54	55
26	---	---	---	---	---	---	572	1590	426	88	54	54
27	---	---	---	---	---	---	768	1690	421	88	52	53
28	---	---	---	---	---	---	871	1610	379	77	51	53
29	---	---	---	---	---	---	867	1500	348	72	52	54
30	---	---	---	---	---	---	880	1390	318	68	51	54
31	---	---	---	---	---	---	---	1310	---	74	53	---
TOTAL	---	---	---	---	---	---	8973	42868	22118	4642	1866	1749
MEAN	---	---	---	---	---	---	299	1383	737	150	60.2	58.3
MAX	---	---	---	---	---	---	880	2350	1450	296	104	80
MIN	---	---	---	---	---	---	68	635	318	68	44	51
AC-FT	---	---	---	---	---	---	17800	85030	43870	9210	3700	3470

09242500 ELK RIVER NEAR MILNER, CO

LOCATION.--Lat 40°30'53", long 106°57'12", in NW$^1/_4$NW$^1/_4$ 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.

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). WDR CO-00-2: Drainage area.

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	88	e65	e54	e53	e70	313	1790	1980	384	120	58
2	127	79	e66	e54	e53	e73	428	1760	2130	357	108	63
3	105	72	e67	e54	e53	e72	523	1330	2080	314	102	53
4	98	77	e66	e54	e61	e72	574	1120	1680	277	94	50
5	94	93	e66	e54	e64	e72	556	1090	1320	255	88	48
6	88	87	e66	e54	e67	e73	650	1090	1270	244	82	49
7	86	81	e67	e55	e74	e72	543	1140	1540	221	81	49
8	83	81	e67	e57	e75	e72	453	1310	1650	225	81	73
9	82	85	e66	e55	e71	e72	358	1620	1620	203	128	75
10	82	e89	e65	e55	e61	e70	337	1890	1610	190	173	79
11	82	e86	e66	e55	e64	e72	306	2200	1670	309	129	82
12	86	e84	e65	e55	e69	e72	315	2220	1550	221	94	73
13	82	e84	e64	e55	e74	e70	338	2440	1300	202	78	56
14	85	e74	e62	e55	e76	e72	322	2550	952	198	84	60
15	89	e62	e62	e55	e80	e72	303	2840	791	202	109	62
16	84	e60	e62	e55	e74	e71	380	3110	760	222	101	68
17	86	e55	e60	e55	e69	e62	514	2880	856	192	86	86
18	86	e54	e57	e55	e71	e54	715	2400	893	173	73	101
19	84	e55	e57	e55	e70	e58	890	3050	863	143	67	108
20	81	e56	e56	e55	e71	e65	1030	2720	784	135	64	91
21	78	e58	e55	e55	e72	e140	799	2070	750	136	70	80
22	75	e58	e55	e55	e73	164	714	1770	723	136	65	76
23	72	e60	e54	e56	e73	188	581	1820	688	118	53	70
24	75	e62	e55	e56	e73	233	531	2050	640	121	48	68
25	81	e61	e54	e55	e72	282	638	2180	637	168	51	65
26	85	e62	e55	e55	e72	417	923	2180	594	157	63	65
27	81	e62	e55	e55	e72	442	1300	2380	608	131	63	61
28	81	e63	e54	e54	e70	335	1560	2350	544	121	56	55
29	83	e64	e54	e54	---	283	1630	2110	480	107	48	53
30	86	e64	e54	e54	---	246	1500	2080	423	104	49	51
31	81	---	e54	e53	---	240	---	1930	---	109	52	---
TOTAL	2728	2116	1871	1698	1927	4356	20024	63470	33386	6075	2560	2028
MEAN	88.0	70.5	60.4	54.8	68.8	141	667	2047	1113	196	82.6	67.6
MAX	160	93	67	57	80	442	1630	3110	2130	384	173	108
MIN	72	54	54	53	53	54	303	1090	423	104	48	48
AC-FT	5410	4200	3710	3370	3820	8640	39720	125900	66220	12050	5080	4020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2001, BY WATER YEAR (WY)

MEAN	145	111	92.7	88.2	91.1	171	738	2128	2209	686	169	115
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1905 - 2001	
ANNUAL TOTAL	171440		142239			
ANNUAL MEAN	468		390		569	
HIGHEST ANNUAL MEAN					886	1917
LOWEST ANNUAL MEAN					282	1992
HIGHEST DAILY MEAN	4290	May 30	3110	May 16	5350	Jun 15 1921
LOWEST DAILY MEAN	39	Sep 8	48	Aug 24	a17	Sep 12 1994
ANNUAL SEVEN-DAY MINIMUM	46	Sep 5	53	Sep 1	21	Sep 7 1994
MAXIMUM PEAK FLOW			3460	May 17	b5740	Jun 3 1997
MAXIMUM PEAK STAGE			5.80	May 17	c7.18	Jun 3 1997
ANNUAL RUNOFF (AC-FT)	340100		282100		412300	
10 PERCENT EXCEEDS	1670		1540		1940	
50 PERCENT EXCEEDS	85		81		135	
90 PERCENT EXCEEDS	58		55		64	

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 September 2001 (discontinued).

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.17	.46	.25	.26	.12	.36	3.3	e15	2.3	.72	.30	.01
2	.12	e.51	.21	.24	.13	.36	4.5	e14	2.4	.75	.26	.01
3	.10	e.48	.20	.22	.14	.38	6.2	11	2.3	.70	.23	.01
4	.11	e.47	.19	.22	.13	.40	e6.5	7.2	2.2	.83	.21	.01
5	.25	e.46	.18	.22	.13	.41	e7.0	7.1	1.7	.79	.20	.01
6	.11	e.48	.20	.22	.12	.51	e7.5	7.3	1.6	.82	.17	.01
7	.10	.49	.20	.22	.12	e.50	e7.0	7.5	1.6	.80	.17	.01
8	.11	e.46	.20	.21	.12	e.45	e6.5	7.5	1.6	.97	.16	.01
9	.13	e.46	.21	.19	.14	e.40	e6.0	7.6	1.9	.71	.50	.01
10	.14	e.42	.22	.18	.14	.38	e5.5	7.4	2.1	.62	1.3	.01
11	.13	e.40	.22	.19	.14	.56	e5.0	6.6	2.1	.61	1.3	.01
12	.13	.36	.27	.18	.14	.49	e4.5	8.2	2.0	.63	.79	.01
13	.16	.26	.28	.18	.14	.37	e5.0	10	2.2	.78	.70	.01
14	.18	.18	.29	.19	.15	e.40	e5.0	11	2.4	.65	.63	.01
15	.18	.26	.23	.18	.15	e.45	e4.5	8.9	2.1	.65	.65	.01
16	.18	.35	.17	.18	.15	e.45	e5.5	9.3	1.7	.62	.43	.00
17	.17	.37	.24	.18	.15	e.45	e6.0	8.7	1.5	.62	.31	.00
18	.16	.33	e.26	.17	.15	e.45	e7.0	8.7	1.3	.57	.29	.00
19	.16	.30	e.28	.17	.15	e.45	e9.0	8.4	1.2	.59	.07	.00
20	.16	.27	.31	.16	.16	.56	e10	9.5	1.1	.57	.06	.00
21	.18	.25	.31	.16	.16	.62	e8.0	9.2	1.0	.53	.06	.00
22	.18	.26	.32	.15	.18	.77	e7.0	8.6	1.0	.53	.04	.00
23	.18	.26	.30	.15	e.20	1.9	e6.0	5.7	.93	.66	.05	.00
24	.28	.21	.31	.14	e.25	4.0	e5.5	4.0	.87	.60	.04	.00
25	.52	.22	.32	.13	e.33	3.2	e8.0	3.7	.81	.80	.03	.00
26	.40	.24	.31	.13	.37	4.3	e10	3.6	.85	1.3	.03	.00
27	.30	.26	.29	.12	.35	3.9	e13	3.5	.91	1.3	.02	.00
28	.32	.28	.28	.12	.36	3.0	e15	3.5	.85	.88	.06	.00
29	.48	.27	.28	.10	---	2.4	e15	3.6	.81	.74	.01	.00
30	.43	.27	.26	.11	---	2.2	e14	3.4	.79	.32	.01	.00
31	.38	---	.26	.11	---	2.1	---	3.0	---	.28	.01	---
TOTAL	6.60	10.29	7.85	5.38	4.97	37.17	223.0	232.7	46.12	21.94	9.09	0.15
MEAN	.21	.34	.25	.17	.18	1.20	7.43	7.51	1.54	.71	.29	.005
MAX	.52	.51	.32	.26	.37	4.3	15	15	2.4	1.3	1.3	.01
MIN	.10	.18	.17	.10	.12	.36	3.3	3.0	.79	.28	.01	.00
AC-FT	13	20	16	11	9.9	74	442	462	91	44	18	.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2001, BY WATER YEAR (WY)

MEAN	.48	.64	.56	.54	.71	1.93	12.6	23.8	5.67	1.85	1.16	.38
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1976 - 2001	
ANNUAL TOTAL	521.71		605.26			
ANNUAL MEAN	1.43		1.66		4.22	
HIGHEST ANNUAL MEAN					13.2	1984
LOWEST ANNUAL MEAN					.50	1977
HIGHEST DAILY MEAN	16	Apr 25	15	Apr 28	297	May 14 1984
LOWEST DAILY MEAN	.00	Jul 30	a.00	Sep 16	a.00	Oct 1 1975
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 30	.00	Sep 16	.00	Oct 1 1975
MAXIMUM PEAK FLOW			b16	May 2	c329	May 14 1984
MAXIMUM PEAK STAGE			b,d1.41	May 2	f4.08	May 14 1984
ANNUAL RUNOFF (AC-FT)	1030		1200		3060	
10 PERCENT EXCEEDS	5.2		6.5		10	
50 PERCENT EXCEEDS	.46		.33		.76	
90 PERCENT EXCEEDS	.06		.04		.00	

e Estimated.
a No flow many days most years.
b May have been higher during period of no gage-height record, Apr 4 to May 2.
c From rating curve extended above 77 ft^3/s.
d Maximum gage height, 1.52 ft, Mar 8, backwater from ice.
f 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$^1/_4$SW$^1/_4$ 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 September 2001 (discontinued). 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	.06	.03	.05	.01	.03	3.7	1.6	1.0	.33	.11	.00
2	.01	.06	.03	.05	.01	.02	6.7	1.8	.91	.33	.09	.00
3	.00	.05	.03	.05	.01	.03	8.8	2.4	.90	.32	.08	.00
4	.00	.02	.04	.04	.01	.03	6.6	2.5	.91	.33	.07	.00
5	.00	.01	.02	.04	.00	.03	5.2	2.9	.97	.31	.05	.00
6	.01	.01	.01	.02	.00	.04	7.0	2.5	.86	.30	.01	.00
7	.02	.04	.00	.04	.00	.04	5.3	2.1	.76	.31	.01	.00
8	.03	.01	.00	.03	.00	.05	4.2	2.1	.71	.32	.02	.00
9	.01	.00	.00	.01	.01	.04	2.9	2.1	.66	.32	.03	.00
10	.00	.02	.00	.00	.00	.03	2.2	2.0	.67	.29	.07	.00
11	.00	.06	.01	.00	.00	.04	2.1	1.9	.67	.28	.07	.00
12	.00	e.02	.00	.00	.01	.07	1.9	1.8	.66	.32	.04	.00
13	.02	e.02	.00	.01	.00	.06	1.8	1.9	.67	.33	.04	.00
14	.04	e.02	.01	.01	.00	.06	1.5	1.8	.65	.28	.06	.00
15	.02	e.03	.00	.01	.01	.10	1.4	1.7	.55	.27	.09	.00
16	.01	e.03	.01	.01	.01	.07	1.6	1.5	.51	.29	.07	.00
17	.02	e.03	.03	.01	.01	.08	1.9	1.6	.51	.28	.06	.00
18	.01	e.02	.07	.01	.00	.08	1.8	1.7	.47	.24	.03	.07
19	.00	e.02	.06	.01	.00	.08	1.5	1.8	.46	.22	.01	.11
20	.01	e.03	e.05	.01	.01	.10	1.4	1.7	.44	.18	.00	.11
21	.01	.04	e.05	.01	.01	.12	1.2	1.6	.43	.18	.00	.11
22	.03	.00	e.06	.00	.01	.68	1.6	1.5	.39	.16	.00	.09
23	.04	.01	e.06	.00	.01	.52	1.9	1.5	.41	.16	.01	.11
24	.03	.03	.08	.01	.01	.53	1.9	1.5	.36	.14	.00	.10
25	.02	.02	.08	.00	.01	1.3	1.6	1.4	.35	.14	.00	.08
26	.04	.03	.08	.00	.01	2.4	1.4	1.4	.37	.14	.00	.08
27	.03	.02	.07	.00	.01	2.9	1.4	1.4	.38	.15	.00	.09
28	.02	.04	.07	.00	.02	3.6	1.3	1.4	.37	.12	.00	.08
29	.04	.02	.07	.00	---	2.1	1.4	1.4	.33	.09	.00	.06
30	.03	.03	.06	.01	---	1.6	1.6	1.4	.32	.09	.00	.06
31	.03	---	.06	.01	---	1.7	---	1.2	---	.09	.00	---
TOTAL	0.55	0.80	1.14	0.45	0.19	18.53	84.8	55.1	17.65	7.31	1.02	1.15
MEAN	.018	.027	.037	.015	.007	.60	2.83	1.78	.59	.24	.033	.038
MAX	.04	.06	.08	.05	.02	3.6	8.8	2.9	1.0	.33	.11	.11
MIN	.00	.00	.00	.00	.00	.02	1.2	1.2	.32	.09	.00	.00
AC-FT	1.1	1.6	2.3	.9	.4	37	168	109	35	14	2.0	2.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2001, BY WATER YEAR (WY)

MEAN	.52	.52	.42	.39	.66	1.96	6.85	5.52	1.92	.80	.43	.36
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1976 - 2001	
ANNUAL TOTAL	263.52		188.69			
ANNUAL MEAN	.72		.52		1.70	
HIGHEST ANNUAL MEAN					4.59	1996
LOWEST ANNUAL MEAN					.022	1977
HIGHEST DAILY MEAN	11	Apr 6	8.8	Apr 3	49	May 5 1996
LOWEST DAILY MEAN	a.00	Sep 15	a.00	Oct 3	a.00	Oct 1 1975
ANNUAL SEVEN-DAY MINIMUM	.00	Dec 7	.00	Aug 24	.00	Oct 1 1975
MAXIMUM PEAK FLOW			13	Apr 2	b65	May 5 1996
MAXIMUM PEAK STAGE			2.29	Apr 2	4.47	May 5 1996
ANNUAL RUNOFF (AC-FT)	523		374		1230	
10 PERCENT EXCEEDS	1.9		1.7		4.5	
50 PERCENT EXCEEDS	.30		.05		.56	
90 PERCENT EXCEEDS	.01		.00		.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 September 2001 (discontinued). 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.25	.66	e.22	e.26	e.24	e.30	9.6	2.5	1.3	1.1	.04	.00
2	.22	.83	e.22	e.26	e.24	e.30	12	2.5	1.1	1.0	.03	.00
3	.18	.75	e.22	e.24	e.24	e.30	13	2.9	1.1	.95	.00	.00
4	.18	.60	e.24	e.24	e.24	e.30	12	3.3	1.1	.84	.00	.00
5	.17	.55	e.24	e.24	e.24	e.30	9.8	3.6	1.1	.75	.00	.00
6	.16	.52	e.24	e.24	e.24	e.30	9.6	3.7	1.0	.68	.00	.00
7	.16	.39	e.24	e.24	e.24	e.30	11	3.2	.90	.63	.00	.00
8	.18	.39	e.24	e.24	e.24	e.30	8.6	2.8	.93	.69	.00	.00
9	.19	.37	e.24	e.24	e.24	e.30	7.4	2.7	.96	.64	.02	.00
10	.19	.40	e.24	e.24	e.24	e.30	6.0	2.7	1.0	.58	.04	.00
11	.18	.38	e.24	e.24	e.26	e.30	5.6	2.6	1.0	.51	.03	.00
12	.18	.32	e.24	e.22	e.26	e.30	5.3	2.5	1.0	.46	.00	.00
13	.19	.32	e.24	e.22	e.26	e.30	4.9	2.4	1.0	.48	.00	.00
14	.21	.34	e.24	e.22	e.26	e.40	4.7	2.3	1.1	.56	.02	.00
15	.23	.24	e.24	e.24	e.26	e.60	4.4	2.2	1.1	.45	.01	.00
16	.23	.23	e.24	e.24	e.26	e.90	4.2	2.1	1.0	.40	.00	.00
17	.23	.20	e.26	e.24	e.26	e1.2	4.1	2.0	.94	.32	.00	.00
18	.23	.23	e.26	e.24	e.26	e1.6	4.5	2.1	.87	.26	.00	.00
19	.22	.22	e.24	e.24	e.26	e1.8	4.0	2.2	.84	.22	.00	.00
20	.24	.25	e.22	e.24	e.26	e2.0	3.4	2.0	.81	.19	.00	.00
21	.23	.21	e.22	e.24	e.26	e2.0	3.0	1.7	.80	.16	.00	.00
22	.22	.20	e.22	e.24	e.26	e2.1	3.5	1.6	.78	.14	.00	.00
23	.22	.18	e.24	e.24	e.26	e3.0	4.0	1.6	.70	.12	.00	.00
24	.24	e.20	e.24	e.24	e.26	e4.0	4.2	1.6	.58	.10	.00	.00
25	.31	e.20	e.24	e.24	e.26	e5.0	3.8	1.5	.57	.01	.00	.00
26	.42	e.20	e.24	e.24	e.26	e7.5	3.3	1.5	1.0	.00	.00	.00
27	.32	.22	e.24	e.24	e.26	e10	3.0	1.5	1.5	.05	.00	.00
28	.32	.19	e.24	e.24	e.30	9.8	2.9	1.5	1.5	.00	.00	.00
29	.69	e.20	e.24	e.24	---	8.7	2.7	1.5	1.4	.02	.00	.00
30	.76	e.20	e.24	e.24	---	8.8	2.6	1.6	1.2	.00	.00	.00
31	.64	---	e.26	e.24	---	8.3	---	1.5	---	.06	.00	---
TOTAL	8.39	10.19	7.38	7.42	7.12	81.60	177.1	69.4	30.18	12.37	0.19	0.00
MEAN	.27	.34	.24	.24	.25	2.63	5.90	2.24	1.01	.40	.006	.000
MAX	.76	.83	.26	.26	.30	10	13	3.7	1.5	1.1	.04	.00
MIN	.16	.18	.22	.22	.24	.30	2.6	1.5	.57	.00	.00	.00
AC-FT	17	20	15	15	14	162	351	138	60	25	.4	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2001, BY WATER YEAR (WY)

MEAN	.85	1.01	.92	.91	1.36	5.07	14.2	9.50	3.11	1.34	.67	.50
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1976 - 2001	
ANNUAL TOTAL	469.56		411.34			
ANNUAL MEAN	1.28		1.13		3.30	
HIGHEST ANNUAL MEAN					7.63	1986
LOWEST ANNUAL MEAN					.070	1977
HIGHEST DAILY MEAN	26	Apr 6	13	Apr 3	79	Apr 25 1984
LOWEST DAILY MEAN	.00	Jul 30	.00	Jul 26	a.00	Oct 1 1975
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 21	.00	Aug 16	.00	Oct 1 1975
MAXIMUM PEAK FLOW			16	Apr 3	b90	Apr 11 1996
MAXIMUM PEAK STAGE			4.29	Apr 3	c6.43	Apr 11 1996
ANNUAL RUNOFF (AC-FT)	931		816		2390	
10 PERCENT EXCEEDS	2.5		3.2		8.5	
50 PERCENT EXCEEDS	.47		.26		.99	
90 PERCENT EXCEEDS	.00		.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$^1/_4$SE$^1/_4$ 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.--Records good except for the periods Oct. 6 to Mar. 23, and Sept. 18 to 30, and 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	9.2	9.3	e8.0	8.9	21	150	854	110	5.8	1.2	.17
2	6.1	9.2	9.3	e8.0	8.9	23	237	740	104	5.0	1.1	.08
3	4.2	9.0	9.3	e8.0	9.0	22	290	471	95	4.8	1.4	.06
4	3.9	7.5	9.3	e8.0	9.1	21	287	382	86	3.9	1.3	.03
5	3.4	9.3	9.3	e8.0	9.1	18	291	440	80	3.4	1.2	.03
6	4.3	9.3	9.3	8.0	9.4	16	339	431	72	3.1	1.2	.23
7	4.5	8.3	9.3	8.0	9.6	17	241	441	64	2.9	1.0	.27
8	5.9	9.0	9.2	8.0	9.8	16	199	513	57	2.8	.97	.40
9	6.1	9.4	8.9	8.0	10	17	151	578	49	2.7	1.1	.33
10	7.9	9.0	8.9	8.0	10	28	136	588	47	3.1	2.9	1.8
11	8.5	9.1	8.6	8.3	10	37	120	617	40	3.8	3.4	1.9
12	8.6	9.5	8.5	8.4	10	29	100	550	29	4.6	3.8	1.7
13	8.6	9.4	8.3	8.6	10	23	108	547	31	3.3	2.7	1.3
14	8.8	9.6	8.3	8.6	11	22	106	533	32	2.8	2.9	1.1
15	8.8	9.5	8.1	8.6	11	15	91	525	31	3.6	2.7	.95
16	8.6	9.3	8.0	8.4	12	27	137	489	26	6.8	2.6	.98
17	9.2	9.3	8.0	8.3	12	27	233	442	21	4.5	2.2	1.2
18	8.9	9.3	8.0	8.3	12	31	383	372	18	3.4	1.6	1.1
19	9.1	9.3	8.1	8.3	12	34	520	516	16	2.5	1.3	1.1
20	9.1	9.3	8.0	8.3	13	39	611	432	14	2.1	1.1	1.1
21	9.0	9.3	8.0	8.3	15	42	376	324	13	1.8	.96	1.1
22	9.3	9.3	8.0	8.3	15	63	305	260	11	1.5	1.0	1.1
23	9.0	9.3	8.0	8.3	15	127	227	231	10	1.2	1.1	1.1
24	9.3	9.3	8.1	8.3	15	164	192	210	10	1.2	1.1	1.1
25	9.5	9.3	8.4	8.3	16	180	334	190	9.1	.96	.89	1.1
26	9.4	9.3	8.6	8.5	17	273	592	174	8.3	.85	.67	1.0
27	9.6	9.1	8.3	8.6	18	199	812	162	9.3	2.6	.53	1.0
28	9.4	9.0	8.1	8.6	19	143	936	150	8.9	3.0	.34	1.0
29	9.6	9.2	e8.1	8.8	---	116	850	162	8.0	2.6	.22	1.0
30	9.6	9.1	e8.1	8.9	---	118	733	133	7.2	1.3	.13	.93
31	9.1	---	e8.0	8.9	---	103	---	126	---	1.0	.20	---
TOTAL	243.7	275.0	263.7	257.9	336.8	2011	10087	12583	1116.8	92.91	44.81	26.26
MEAN	7.86	9.17	8.51	8.32	12.0	64.9	336	406	37.2	3.00	1.45	.88
MAX	9.6	9.6	9.3	8.9	19	273	936	854	110	6.8	3.8	1.9
MIN	3.4	7.5	8.0	8.0	8.9	15	91	126	7.2	.85	.13	.03
AC-FT	483	545	523	512	668	3990	20010	24960	2220	184	89	52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

MEAN	13.5	15.1	14.7	15.8	17.9	83.9	390	734	168	16.7	5.68	8.80
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	8.32	10.3	35.6	268	406	37.2	3.00	.99	.88
(WY)	1997	2000	1999	2001	1996	1996	1999	2001	2001	2001	2000	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1995 - 2001	
ANNUAL TOTAL	33488.73		27338.88			
ANNUAL MEAN	91.5		74.9		124	
HIGHEST ANNUAL MEAN					187	1997
LOWEST ANNUAL MEAN					74.9	2001
HIGHEST DAILY MEAN	1150	Apr 28	936	Apr 28	1860	May 7 1997
LOWEST DAILY MEAN	.02	Aug 15	.03	Sep 4	.02	Aug 15 2000
ANNUAL SEVEN-DAY MINIMUM	.04	Aug 12	.10	Aug 30	.04	Aug 12 2000
MAXIMUM PEAK FLOW			1420	Apr 28	a2760	May 7 1997
MAXIMUM PEAK STAGE			6.00	Apr 28	7.86	May 7 1997
ANNUAL RUNOFF (AC-FT)	66420		54230		90010	
10 PERCENT EXCEEDS	314		279		409	
50 PERCENT EXCEEDS	9.6		9.1		15	
90 PERCENT EXCEEDS	1.1		1.1		3.4	

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. April to September 2001.
WATER TEMPERATURE: September 1995 to September 1999. April to September 2001.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry August 1995 to September 1999. April to September 2001.

REMARKS.--Published daily specific-conductance records are fair except for Apr. 23 to May 3, which is poor. Published daily water-temperature records are good. Periods of missing or deleted record are due to fouling of the sensor or it being out of water.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1120 microsiemens/cm, Mar. 19, 1999; minimum, 86 microsiemens/cm, May 21, 1999.
WATER TEMPERATURE: Maximum, 30.2°C, July 6, 2001; minimum, 0.0°C, on many days during winter months.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 623 microsiemens/cm, Sept. 10; minimum, 104 microsiemens/cm, May 15.
WATER TEMPERATURE: Maximum, 30.2°C, July 6; minimum, 1.8°C, Apr. 7, 9.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E COLI, MTEC MF WATER (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)
JAN													
18...	1115	e8.3	443	8.2	0	--	--	11.0	--	--	171	40.8	16.7
FEB													
22...	1100	15	500	8.2	1.2	--	--	10.9	--	--	188	44.3	18.7
MAR													
29...	1310	105	488	8.4	3.6	50	--	11.3	33	53	180	40.6	19.0
APR													
18...	1730	308	244	8.3	7.5	--	260	10.7	--	--	91.5	22.1	8.80
30...	2350	1200	132	8.3	9.0	--	450	9.3	70	190	55.2	14.4	4.64
JUN													
12...	1215	27	305	8.3	19.4	--	9.4	7.1	97	E19	122	30.2	11.4
JUL													
09...	1150	3.3	471	8.5	25.8	--	8.5	7.0	--	--	174	37.4	19.7
AUG													
09...	1100	1.1	450	8.6	23.4	--	13	7.1	33	21	162	33.4	19.0

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)	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)
JAN													
18...	29.7	.988	1.53	146	86.1	2.7	.2	14.4	281	.381	--	<.006	.170
FEB													
22...	31.2	.990	1.65	141	112	3.9	E.1	14.5	312	.424	13	<.006	.218
MAR													
29...	31.8	1.03	2.07	96	140	3.6	E.1	9.5	306	.417	87	E.004	.404
APR													
18...	11.7	.534	1.57	60	52.2	1.3	E.1	8.7	144	.196	120	E.003	.281
30...	4.5	.265	1.11	45	16.1	.7	<.2	8.8	79.4	.11	258	E.004	.422
JUN													
12...	17.4	.686	1.37	106	46.6	1.3	E.2	12.2	184	.25	13	<.006	<.050
JUL													
09...	33.0	1.09	2.86	158	83.5	4.3	.2	1.2	277	.377	2.4	.012	<.050
AUG													
09...	32.1	1.10	3.68	160	67.6	4.9	.2	5.7	262	.357	.76	<.006	<.050

e Estimated.
E Estimated laboratory analysis value.

09246200 ELKHEAD CREEK ABOVE LONG GULCH, NEAR HAYDEN, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)
JAN								
18...	<.041	.14	.12	.007	E.004	<.018	--	--
FEB								
22...	E.034	.22	.22	.009	<.006	<.018	--	--
MAR								
29...	<.041	.55	.35	.092	.019	E.014	7.4	6.2
APR								
18...	<.041	1.2	.35	.356	.013	<.018	--	--
30...	<.041	1.7	.37	.846	.018	E.009	25	7.0
JUN								
12...	<.040	.36	.30	.028	.012	<.020	5.9	5.5
JUL								
09...	E.039	.59	.48	.023	E.006	<.020	--	--
AUG								
09...	E.032	.54	.49	.030	.008	<.020	9.4	6.9

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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)	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)
APR													
30...	9060	4	<2.0	226	25.0	<2.50	.69	<.14	10	<.8	13	23.1	1.7
JUN													
12...	142	<2	<2.0	49.6	50.4	<2.50	<.10	<.10	<1	<.8	<2	1.4	2.0

DATE	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)	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)
APR													
30...	17700	50	20	<1.00	12.9	523	4.4	.06	<.01	<1.5	25	<2.6	<2.4
JUN													
12...	280	20	<1	<1.00	8.6	20	10.7	.01	.01	E.7	E1	<3.0	<2.0

DATE	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)
APR				
30...	<.43	<.2	69	<20
JUN				
12...	<.40	<.2	<31	<20

E Estimated laboratory analysis value.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
MAR						
29...	1310	105	3.6	105	30	98
APR						
18...	1730	308	7.5	522	434	91
30...	2350	1200	9.0	1680	5460	70
JUN						
12...	1215	27	19.4	10	.71	--
JUL						
09...	1150	3.3	25.8	12	.11	91
AUG						
09...	1100	1.1	23.4	15	.04	--

09246200 ELKHEAD CREEK ABOVE LONG GULCH, NEAR HAYDEN, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	158	108	123
2	---	---	---	---	---	---	---	---	---	129	122	125
3	---	---	---	---	---	---	---	---	---	171	128	151
4	---	---	---	---	---	---	---	---	---	189	171	183
5	---	---	---	---	---	---	---	---	---	171	160	166
6	---	---	---	---	---	---	---	---	---	167	152	157
7	---	---	---	---	---	---	---	---	---	153	137	144
8	---	---	---	---	---	---	---	---	---	142	129	135
9	---	---	---	---	---	---	---	---	---	128	116	122
10	---	---	---	---	---	---	---	---	---	128	116	121
11	---	---	---	---	---	---	---	---	---	120	106	112
12	---	---	---	---	---	---	---	---	---	121	108	114
13	---	---	---	---	---	---	---	---	---	118	107	112
14	---	---	---	---	---	---	---	---	---	118	108	112
15	---	---	---	---	---	---	---	---	---	114	104	108
16	---	---	---	---	---	---	---	---	---	116	105	110
17	---	---	---	---	---	---	---	---	---	123	112	116
18	---	---	---	---	---	---	---	---	---	134	120	126
19	---	---	---	---	---	---	205	135	148	136	112	126
20	---	---	---	---	---	---	152	129	139	130	122	126
21	---	---	---	---	---	---	210	152	170	138	127	132
22	---	---	---	---	---	---	276	210	247	155	138	146
23	---	---	---	---	---	---	251	225	238	160	153	157
24	---	---	---	---	---	---	260	227	241	162	157	160
25	---	---	---	---	---	---	260	147	204	167	161	163
26	---	---	---	---	---	---	---	---	---	172	166	169
27	---	---	---	---	---	---	---	---	---	176	170	173
28	---	---	---	---	---	---	141	121	130	183	174	177
29	---	---	---	---	---	---	134	119	127	192	168	179
30	---	---	---	---	---	---	147	127	134	193	173	185
31	---	---	---	---	---	---	---	---	---	194	179	185
MONTH	---	---	---	---	---	---	---	---	---	194	104	142

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	211	193	200	468	447	457	497	474	489	505	487	496
2	216	210	213	474	447	461	513	495	506	511	494	504
3	218	215	215	487	460	473	519	483	503	523	502	514
4	222	216	219	498	471	480	485	448	469	554	504	529
5	230	221	225	501	480	496	460	421	447	577	501	544
6	247	229	247	516	---	---	460	431	451	561	514	528
7	255	242	251	---	503	---	458	442	451	521	513	519
8	264	254	258	---	463	---	458	425	448	548	515	530
9	266	260	263	---	455	---	453	420	446	585	548	567
10	273	266	269	469	443	462	487	432	462	623	527	588
11	283	272	278	478	443	459	482	413	438	527	453	497
12	312	283	300	473	444	459	420	412	416	509	458	483
13	326	302	315	444	427	433	421	417	420	533	502	524
14	325	312	319	442	436	438	421	393	414	533	521	523
15	342	325	336	445	435	439	411	400	407	522	517	520
16	341	331	336	444	409	426	408	381	394	518	503	509
17	355	330	342	474	408	436	381	374	377	503	472	490
18	376	347	362	481	471	477	395	377	386	476	450	458
19	375	358	366	473	423	453	407	394	397	452	432	445
20	376	364	372	434	401	423	414	404	407	434	423	427
21	374	363	369	433	410	423	426	414	420	432	421	425
22	388	366	379	437	407	426	448	426	435	444	426	434
23	396	374	385	438	416	431	459	448	455	456	442	447
24	388	377	382	462	438	451	467	459	464	470	453	458
25	390	387	388	473	457	466	470	459	466	477	462	466
26	388	374	384	495	470	487	471	457	464	477	468	472
27	389	372	381	527	495	508	471	462	466	491	473	480
28	424	374	392	509	494	503	479	456	471	490	478	483
29	445	424	429	499	494	497	484	467	476	492	485	487
30	467	445	459	501	491	495	499	476	486	494	485	488
31	---	---	---	498	472	488	499	482	492	---	---	---
MONTH	467	193	321	---	---	---	519	374	446	623	421	494

09246200 ELKHEAD CREEK ABOVE LONG GULCH, NEAR HAYDEN, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	8.7	3.9	6.2
2	---	---	---	---	---	---	---	---	---	7.5	2.1	4.2
3	---	---	---	---	---	---	---	---	---	4.1	2.0	2.9
4	---	---	---	---	---	---	---	---	---	9.1	3.5	6.2
5	---	---	---	---	---	---	7.7	2.4	5.2	9.2	6.5	7.8
6	---	---	---	---	---	---	7.4	2.7	4.4	9.6	5.4	7.7
7	---	---	---	---	---	---	6.1	1.8	3.8	10.5	5.2	7.9
8	---	---	---	---	---	---	5.6	2.7	4.0	11.7	6.1	9.0
9	---	---	---	---	---	---	8.1	1.8	4.6	10.4	6.5	8.7
10	---	---	---	---	---	---	6.6	4.0	5.3	12.0	7.5	9.7
11	---	---	---	---	---	---	6.8	2.7	4.6	11.9	6.1	9.2
12	---	---	---	---	---	---	7.1	3.2	5.0	13.1	7.3	10.3
13	---	---	---	---	---	---	8.2	2.0	5.1	12.4	8.5	10.8
14	---	---	---	---	---	---	7.3	5.0	6.2	14.4	9.4	11.9
15	---	---	---	---	---	---	10.7	3.1	6.8	13.2	9.1	11.0
16	---	---	---	---	---	---	11.7	5.5	8.8	12.9	9.7	11.3
17	---	---	---	---	---	---	11.1	5.6	8.7	11.7	9.7	10.7
18	---	---	---	---	---	---	10.0	3.0	6.3	11.4	6.9	9.4
19	---	---	---	---	---	---	8.6	3.3	6.2	12.7	9.0	10.7
20	---	---	---	---	---	---	8.2	3.6	4.8	13.0	7.9	10.4
21	---	---	---	---	---	---	4.7	3.4	4.1	11.3	6.0	8.8
22	---	---	---	---	---	---	4.6	4.0	4.3	14.1	6.1	10.0
23	---	---	---	---	---	---	6.8	3.3	4.9	16.5	8.7	12.5
24	---	---	---	---	---	---	11.6	4.0	7.3	17.2	9.9	13.5
25	---	---	---	---	---	---	10.8	4.7	8.1	17.4	10.7	14.1
26	---	---	---	---	---	---	10.0	3.4	7.1	16.7	11.6	14.5
27	---	---	---	---	---	---	9.9	2.5	6.3	17.6	12.5	15.3
28	---	---	---	---	---	---	9.0	3.4	5.7	15.4	12.0	13.7
29	---	---	---	---	---	---	7.3	3.3	5.4	16.1	9.5	13.0
30	---	---	---	---	---	---	8.8	3.3	6.1	17.9	10.9	14.6
31	---	---	---	---	---	---	---	---	---	19.4	12.0	15.7
MONTH	---	---	---	---	---	---	---	---	---	19.4	2.0	10.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.6	12.8	16.8	27.1	18.9	23.1	26.2	17.4	21.2	24.6	13.4	18.6
2	18.7	13.8	16.5	28.0	18.1	22.8	27.6	17.6	22.2	24.0	13.9	18.7
3	16.4	13.6	15.1	28.2	18.2	23.2	27.4	18.0	22.6	24.9	13.8	18.9
4	15.9	11.2	13.3	29.1	---	---	28.4	19.9	23.6	21.2	13.8	17.2
5	16.2	9.4	13.1	28.9	---	---	29.4	18.6	23.9	20.3	9.2	15.6
6	20.0	10.5	15.2	30.2	---	---	28.8	20.4	23.4	19.8	10.6	15.4
7	22.5	13.5	18.0	26.9	---	---	26.1	19.4	22.5	17.7	10.1	13.2
8	24.0	14.4	19.3	---	---	---	26.7	19.8	22.2	16.1	10.2	12.4
9	21.9	16.0	19.1	30.0	---	---	29.1	18.7	23.1	19.9	6.9	12.9
10	23.6	14.3	19.0	28.5	20.7	24.3	25.8	19.5	21.9	18.8	9.7	14.4
11	24.0	14.8	19.3	28.3	19.7	24.1	26.9	17.7	22.2	20.1	11.4	15.7
12	21.0	14.3	17.6	26.8	19.8	23.5	27.1	17.8	22.5	20.5	13.1	16.7
13	18.1	12.3	15.0	26.2	19.2	22.3	23.9	18.8	21.1	18.7	14.6	16.2
14	15.6	11.0	13.2	24.9	18.2	21.3	24.8	18.4	20.6	20.2	12.8	16.2
15	19.6	9.9	14.8	24.5	18.2	21.3	25.1	16.7	20.8	21.1	13.5	16.8
16	22.9	13.1	18.0	26.1	17.1	21.4	24.2	17.0	20.8	20.4	12.9	15.8
17	23.6	14.1	19.1	25.2	16.7	21.0	24.5	16.6	20.5	18.6	13.3	15.0
18	23.4	14.3	18.8	24.0	16.5	20.6	24.9	16.3	20.4	18.3	13.0	15.4
19	23.8	14.1	19.0	25.7	16.9	21.5	24.8	16.1	20.2	19.6	11.8	15.5
20	24.3	14.9	19.8	26.8	18.5	22.6	22.4	17.8	19.7	19.6	12.4	16.0
21	26.0	15.4	20.7	27.2	18.4	22.8	24.4	16.7	20.0	19.8	12.1	15.9
22	26.5	16.3	21.4	27.3	17.4	22.3	22.8	16.6	19.5	20.3	12.8	16.2
23	26.0	17.2	21.6	26.3	17.3	21.6	24.5	15.5	19.9	20.2	11.2	15.4
24	25.3	17.9	21.4	26.3	18.0	21.7	23.9	14.9	19.6	20.1	10.9	15.3
25	24.3	17.5	21.1	28.0	17.3	22.3	26.3	16.2	20.9	20.3	10.7	15.3
26	23.6	16.6	20.1	25.0	19.6	21.3	26.5	15.5	20.8	19.0	10.8	14.8
27	26.5	16.5	21.3	26.9	16.9	21.7	26.4	15.0	20.5	20.3	10.3	15.0
28	28.7	17.3	22.9	25.8	17.7	22.1	26.0	15.1	20.0	19.9	10.6	15.2
29	29.5	18.8	24.0	25.8	17.5	21.9	26.4	14.7	19.7	19.9	12.4	16.0
30	29.7	19.3	24.3	24.6	17.6	21.3	25.6	14.3	18.7	20.1	11.8	15.5
31	---	---	---	25.2	18.7	21.6	23.0	14.7	18.3	---	---	---
MONTH	29.7	9.4	18.6	---	---	---	29.4	14.3	21.1	24.9	6.9	15.7

ELKHEAD RESERVOIR NEAR CRAIG, CO

WATER-QUALITY RECORDS

REMARKS.--Samples and field measurements were collected at a number of sites within the reservoir.

403507107214900 ELKHEAD RESERVOIR SITE 1A

LOCATION.--Lat 40°35'07", long 107°21'49", in NE$^{1}/_{4}$NW$^{1}/_{4}$, sec.10, T.7 N., R.89 W., Routt County, Hydrologic Unit 14050001, approximately 80 ft from northwest shore in transect approximately 3.2 mi upstream from Elkhead Dam.

PERIOD OF RECORD.--July 1995 to August 1999. April to August 2001 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	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)
APR							
18...	1250	--	--	--	--	6.00	--
18...	1251	0	380	8.0	10.2	--	9.1
18...	1252	3.00	376	8.0	9.7	--	9.1
18...	1253	5.00	274	7.9	6.8	--	9.7
AUG							
02...	1222	--	--	--	--	42.0	--
02...	1223	0	220	8.8	21.5	--	6.8
02...	1224	2.00	219	8.8	21.3	--	6.8
02...	1225	4.00	221	8.7	20.7	--	6.8

ELKHEAD RESERVOIR NEAR CRAIG, CO--Continued

WATER-QUALITY RECORDS

403506107214500 ELKHEAD RESERVOIR SITE 1B

LOCATION.--Lat 40°35'06", long 107°21'45", in NE$^{1}/_{4}$NW$^{1}/_{4}$, sec.10, T.7 N., R.89 W., Routt County, Hydrologic Unit 14050001, approximately 200 ft from southeast shore in transect approximately 3.2 mi upstream from Elkhead Dam.

PERIOD OF RECORD.--July 1995 to August 1999. April to August 2001 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	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)
APR							
18...	1303	--	--	--	--	6.00	--
18...	1304	0	380	8.1	12.1	--	9.1
18...	1305	3.00	345	8.0	9.2	--	9.6
18...	1306	6.00	302	7.9	7.8	--	9.8
18...	1307	9.00	300	7.9	7.7	--	9.9
18...	1308	10.0	299	7.9	7.7	--	9.9
AUG							
02...	1145	--	--	--	--	42.0	--
02...	1146	0	225	8.7	21.8	--	6.6
02...	1147	2.00	223	8.6	21.5	--	6.5
02...	1148	4.00	223	8.5	20.3	--	6.2
02...	1149	6.00	223	8.4	20.0	--	5.8
02...	1150	8.00	223	8.2	19.7	--	5.3
02...	1151	9.00	216	8.0	19.3	--	4.6

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS-SOLVED (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 DIS-SOLVED (MG/L AS P) (00666)	PHOSPHORUS 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)
APR												
18...	1315	1.00	.003	.096	.004	.75	.37	.152	.015	.007	1.4	<.1
18...	1325	6.00	.002	.180	.004	1.2	.35	.303	.016	E.006	--	--
AUG												
02...	1200	3.00	.003	.013	.005	.45	.32	.035	E.006	<.007	4.2	.7
02...	1210	8.00	.002	.014	.004	.50	.38	.029	E.005	<.007	--	--

E Estimated laboratory analysis value.

ELKHEAD RESERVOIR NEAR CRAIG, CO--Continued

WATER-QUALITY RECORDS

403439107223800 ELKHEAD RESERVOIR SITE 2A

LOCATION.--Lat 40°34'39", long 107°22'38", in $NE^{1}/_{4}SE^{1}/_{4}$, sec.9, T.7 N., R.89 W., Moffat County, Hydrologic Unit 14050001, approximately 60 ft from northwest shore in transect approximately 1.5 mi upstream from Elkhead Dam.

PERIOD OF RECORD.--July 1995 to August 1999. April to August 2001 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	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)
APR							
18...	1125	--	--	--	--	12.0	--
18...	1126	0	404	7.9	9.0	--	9.1
18...	1127	3.00	409	7.9	8.0	--	9.3
18...	1128	6.00	407	7.9	7.5	--	9.3
18...	1129	9.00	403	7.8	7.0	--	9.4
18...	1130	12.0	400	7.8	6.8	--	9.5
18...	1131	15.0	392	7.8	6.1	--	9.5
18...	1132	18.0	390	7.8	5.9	--	9.4
18...	1133	21.0	390	7.8	5.7	--	9.4
18...	1134	23.0	390	7.8	5.7	--	9.3
AUG							
02...	1010	--	--	--	--	54.0	--
02...	1011	0	212	8.4	20.6	--	6.4
02...	1012	3.00	213	8.4	20.6	--	6.5
02...	1013	6.00	213	8.4	20.4	--	6.4
02...	1014	9.00	214	8.3	20.0	--	6.3
02...	1015	12.0	213	8.2	19.6	--	6.2
02...	1016	15.0	207	8.1	19.1	--	5.8
02...	1017	18.0	204	7.9	18.6	--	5.3
02...	1018	21.0	197	7.7	16.6	--	4.4
02...	1019	23.0	191	7.5	14.0	--	2.6

ELKHEAD RESERVOIR NEAR CRAIG, CO--Continued

WATER-QUALITY RECORDS

403437107223300 ELKHEAD RESERVOIR SITE 2B

LOCATION.--Lat 40°34'37", long 107°22'33", in $NE^{1}/_{4}SE^{1}/_{4}$, sec.9, T.7 N., R.89 W., Moffat County, Hydrologic Unit 14050001, approximate center of transect approximately 1.5 mi upstream from Elkhead Dam.

PERIOD OF RECORD.--July 1995 to August 1999. April to August 2001 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	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)
APR							
18...	1157	--	--	--	--	12.0	--
18...	1158	0	399	7.8	7.7	--	9.5
18...	1159	3.00	403	7.9	7.7	--	9.5
18...	1200	6.00	402	7.9	7.6	--	9.6
18...	1201	9.00	398	7.8	6.7	--	9.6
18...	1202	12.0	395	7.8	6.4	--	9.6
18...	1203	15.0	394	7.8	6.2	--	9.5
18...	1204	18.0	391	7.8	5.9	--	9.4
18...	1205	21.0	385	7.7	5.0	--	9.2
18...	1206	24.0	383	7.7	4.9	--	9.4
18...	1207	27.0	384	7.7	4.9	--	9.3
18...	1208	30.0	403	7.7	5.2	--	9.3
18...	1209	33.0	424	7.8	5.5	--	9.3
18...	1210	36.0	445	7.8	5.8	--	9.2
18...	1211	39.0	449	7.8	5.8	--	9.2
18...	1212	42.0	449	7.8	5.8	--	9.2
18...	1213	45.0	455	7.8	5.9	--	9.1
18...	1214	46.0	459	7.8	5.9	--	9.1
AUG							
02...	1040	--	--	--	--	48.0	--
02...	1041	0	212	8.5	20.6	--	6.4
02...	1042	3.00	211	8.4	20.1	--	6.4
02...	1043	6.00	211	8.4	19.9	--	6.3
02...	1044	9.00	210	8.4	19.8	--	6.2
02...	1045	12.0	208	8.3	19.2	--	6.1
02...	1046	15.0	201	7.9	17.8	--	4.2
02...	1047	18.0	193	7.6	15.6	--	3.2
02...	1048	21.0	186	7.6	13.8	--	2.6
02...	1049	24.0	185	7.5	12.8	--	2.4
02...	1050	27.0	181	7.5	11.4	--	2.4
02...	1051	30.0	180	7.5	10.5	--	2.2
02...	1052	33.0	179	7.4	10.1	--	2.3
02...	1053	36.0	179	7.4	10.0	--	2.3
02...	1054	39.0	179	7.4	9.8	--	2.3
02...	1055	42.0	179	7.4	9.7	--	2.3
02...	1056	43.0	179	7.4	9.7	--	2.3

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	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)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
APR												
18...	1215	1.00	.003	.202	.004	.60	.39	.090	.022	.013	.8	<.1
18...	1230	42.0	.002	.145	.014	.52	.38	.078	.016	.008	--	--
AUG												
02...	1110	4.00	.002	.019	.008	.43	.29	.021	E.005	<.007	1.3	<.1
02...	1135	39.0	.003	.286	.008	.44	.29	.046	.008	<.007	--	--

E Estimated laboratory analysis value.

ELKHEAD RESERVOIR NEAR CRAIG, CO--Continued

WATER-QUALITY RECORDS

403435107222900 ELKHEAD RESERVOIR SITE 2C

LOCATION.--Lat 40°34'35", long 107°22'29", in $NE^{1}/_{4}SE^{1}/_{4}$, sec.9, T.7 N., R.89 W., Moffat County, Hydrologic Unit 14050001, approximately 30 ft from southeast shore in transect approximately 1.5 mi upstream from Elkhead Dam.

PERIOD OF RECORD.--July 1995 to August 1999. April to August 2001 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	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)
APR							
18...	1140	--	--	--	--	12.0	--
18...	1141	0	388	7.8	6.8	--	9.4
18...	1142	3.00	391	7.8	6.7	--	9.4
18...	1143	6.00	396	7.8	6.7	--	9.5
18...	1144	9.00	396	7.8	6.5	--	9.5
18...	1145	12.0	394	7.8	6.2	--	9.4
18...	1146	15.0	394	7.8	6.1	--	9.4
18...	1147	18.0	388	7.7	5.6	--	9.3
18...	1148	21.0	389	7.7	5.5	--	9.3
18...	1149	24.0	388	7.7	5.1	--	9.5
18...	1150	27.0	387	7.7	5.0	--	9.3
18...	1151	30.0	387	7.7	5.0	--	9.3
18...	1152	33.0	388	7.7	5.0	--	9.3
18...	1153	36.0	441	7.8	5.6	--	9.2
18...	1154	39.0	449	7.8	5.8	--	9.1
18...	1155	42.0	452	7.8	5.8	--	9.1
18...	1156	43.0	452	7.8	5.8	--	9.1
AUG							
02...	1020	--	--	--	--	48.0	--
02...	1021	0	212	8.5	20.3	--	6.4
02...	1022	3.00	212	8.4	20.2	--	6.4
02...	1023	6.00	212	8.4	20.1	--	6.4
02...	1024	9.00	211	8.4	19.9	--	6.4
02...	1025	12.0	209	8.3	19.7	--	6.3
02...	1026	15.0	208	8.2	19.4	--	6.1
02...	1027	18.0	203	8.0	18.3	--	5.4
02...	1028	21.0	193	7.7	15.6	--	4.1
02...	1029	24.0	188	7.6	13.9	--	2.9
02...	1030	27.0	182	7.5	12.7	--	2.6
02...	1031	30.0	179	7.5	11.2	--	2.7
02...	1032	33.0	180	7.4	10.8	--	2.7
02...	1033	36.0	179	7.4	10.3	--	2.6
02...	1034	39.0	179	7.4	9.9	--	2.5
02...	1035	42.0	179	7.4	9.7	--	2.4
02...	1036	43.0	179	7.4	9.7	--	2.4

ELKHEAD RESERVOIR NEAR CRAIG, CO--Continued

WATER-QUALITY RECORDS

403336107230700 ELKHEAD RESERVOIR SITE 3A

LOCATION.--Lat 40°33'36", long 107°23'07", in $SE^{1}/_{4}SW^{1}/_{4}$, sec.16, T.7 N., R.89 W., Moffat County, Hydrologic Unit 14050001, approximately 60 ft from northwest shore in transect approximately 800 ft upstream from Elkhead Dam.

PERIOD OF RECORD.--July 1995 to August 1999. April to August 2001 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	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)
APR							
18...	0944	--	--	--	--	12.0	--
18...	0945	0	389	7.7	7.2	--	9.1
18...	0946	3.00	389	7.7	6.4	--	9.3
18...	0947	6.00	388	7.7	6.0	--	9.3
18...	0948	9.00	388	7.7	5.8	--	9.2
18...	0949	12.0	388	7.6	5.8	--	9.2
18...	0950	15.0	388	7.6	5.7	--	9.2
18...	0951	18.0	388	7.6	5.5	--	9.2
18...	0952	21.0	387	7.6	5.3	--	9.2
18...	0953	24.0	388	7.6	5.1	--	9.2
18...	0954	27.0	388	7.6	5.1	--	9.2
18...	0955	30.0	388	7.6	5.0	--	9.2
AUG							
02...	0820	--	--	--	--	60.0	--
02...	0821	0	209	8.0	19.8	--	6.4
02...	0822	3.00	209	8.0	19.8	--	6.4
02...	0823	6.00	209	8.0	19.7	--	6.3
02...	0824	9.00	209	8.0	19.7	--	6.3
02...	0825	12.0	210	8.0	19.6	--	6.3
02...	0826	15.0	209	8.0	19.6	--	6.3
02...	0827	18.0	209	8.0	19.5	--	6.3
02...	0828	21.0	185	7.4	15.2	--	3.5
02...	0829	24.0	181	7.3	13.6	--	3.3
02...	0830	25.0	181	7.3	13.2	--	3.4

ELKHEAD RESERVOIR NEAR CRAIG, CO--Continued

WATER-QUALITY RECORDS

403333107230100 ELKHEAD RESERVOIR SITE 3B

LOCATION.--Lat 40°33'33", long 107°23'01", in $SE^{1}/_{4}SW^{1}/_{4}$, sec.16, T.7 N., R.89 W., Moffat County, Hydrologic Unit 14050001, approximate center of transect approximately 800 ft upstream from Elkhead Dam.

PERIOD OF RECORD.--July 1995 to August 1999. April to August 2001 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	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)
APR							
18...	1019	--	--	--	--	12.0	--
18...	1020	0	388	7.7	6.8	--	9.1
18...	1021	3.00	388	7.7	6.8	--	9.1
18...	1022	6.00	387	7.7	6.5	--	9.2
18...	1023	9.00	387	7.7	6.1	--	9.2
18...	1024	12.0	387	7.7	6.0	--	9.2
18...	1025	15.0	386	7.7	5.7	--	9.2
18...	1026	18.0	386	7.7	5.4	--	9.2
18...	1027	21.0	386	7.7	5.2	--	9.2
18...	1028	24.0	386	7.7	5.1	--	9.3
18...	1029	27.0	386	7.7	5.0	--	9.2
18...	1030	30.0	387	7.7	4.9	--	9.2
18...	1031	33.0	387	7.7	4.8	--	9.1
18...	1032	36.0	387	7.7	4.8	--	9.1
18...	1033	39.0	387	7.7	4.7	--	9.1
18...	1034	42.0	387	7.7	4.7	--	9.1
18...	1035	45.0	387	7.7	4.7	--	9.1
18...	1036	48.0	388	7.7	4.6	--	9.1
18...	1037	51.0	388	7.6	4.6	--	9.0
18...	1038	54.0	388	7.6	4.6	--	9.0
18...	1039	57.0	389	7.6	4.6	--	9.1
18...	1040	60.0	389	7.6	4.6	--	9.0
AUG							
02...	0849	--	--	--	--	60.0	--
02...	0850	0	210	8.2	20.2	--	6.4
02...	0851	3.00	210	8.2	20.1	--	6.4
02...	0852	6.00	209	8.2	19.9	--	6.4
02...	0853	9.00	209	8.2	19.7	--	6.3
02...	0854	12.0	210	8.2	19.6	--	6.3
02...	0855	15.0	209	8.2	19.6	--	6.3
02...	0856	18.0	209	8.1	19.5	--	6.2
02...	0857	21.0	188	7.6	15.7	--	3.9
02...	0858	24.0	179	7.5	13.7	--	3.6
02...	0859	27.0	176	7.5	11.7	--	3.7
02...	0900	30.0	174	7.4	10.9	--	3.9
02...	0901	33.0	174	7.4	10.4	--	4.0
02...	0902	36.0	173	7.4	10.1	--	4.1
02...	0903	39.0	174	7.4	9.7	--	4.1
02...	0904	42.0	173	7.4	9.2	--	4.1
02...	0905	45.0	174	7.4	8.9	--	4.3
02...	0906	48.0	174	7.4	8.7	--	4.3
02...	0907	51.0	175	7.4	8.4	--	4.2
02...	0908	54.0	175	7.4	8.3	--	4.1
02...	0909	55.0	176	7.4	8.3	--	4.0

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS-SOLVED (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 DIS-SOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
APR												
18...	1045	1.00	.002	.209	.005	.45	.32	.075	.022	.014	1.0	<.1
18...	1100	54.0	.003	.204	.007	.44	.32	.070	.020	.013	--	--
AUG												
02...	0910	4.00	.002	.023	.016	.37	.29	.017	E.004	<.007	.8	<.1
02...	0930	50.0	.002	.348	.003	.41	.37	.052	.015	.009	--	--

E Estimated laboratory analysis value.

ELKHEAD RESERVOIR NEAR CRAIG, CO--Continued

WATER-QUALITY RECORDS

403331107225500 ELKHEAD RESERVOIR SITE 3C

LOCATION.--Lat 40°33'31", long 107°22'55", in $SE^{1}/_{4}SW^{1}/_{4}$, sec.16, T.7 N., R.89 W., Moffat County, Hydrologic Unit 14050001, approximately 40 ft from southeast shore in transect approximately 800 ft upstream from Elkhead Dam.

PERIOD OF RECORD.--July 1995 to August 1999. April to August 2001 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	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)
APR							
18...	1007	--	--	--	--	12.0	--
18...	1008	0	390	7.7	7.1	--	9.5
18...	1009	3.00	389	7.7	6.7	--	9.5
18...	1010	6.00	388	7.7	6.6	--	9.5
18...	1011	9.00	390	7.7	6.5	--	9.4
18...	1012	12.0	388	7.7	6.0	--	9.4
18...	1013	15.0	388	7.7	5.8	--	9.4
18...	1014	18.0	387	7.7	5.8	--	9.3
18...	1015	21.0	388	7.7	5.1	--	9.3
18...	1016	24.0	388	7.6	5.4	--	9.3
18...	1017	27.0	388	7.6	5.0	--	9.2
18...	1018	30.0	389	7.6	4.9	--	9.3
18...	1019	33.0	388	7.6	4.8	--	9.2
18...	1020	36.0	389	7.6	4.7	--	9.3
18...	1021	39.0	389	7.6	4.6	--	9.2
18...	1022	42.0	389	7.6	4.6	--	9.1
18...	1023	45.0	389	7.6	4.6	--	9.1
18...	1024	48.0	389	7.6	4.6	--	9.1
18...	1025	51.0	389	7.6	4.6	--	9.0
AUG							
02...	0831	--	--	--	--	60.0	--
02...	0832	0	210	8.2	20.2	--	6.4
02...	0833	3.00	210	8.2	20.2	--	6.4
02...	0834	6.00	210	8.1	20.0	--	6.4
02...	0835	9.00	209	8.1	19.8	--	6.3
02...	0836	12.0	209	8.1	19.5	--	6.2
02...	0837	15.0	208	8.0	19.5	--	6.1
02...	0838	18.0	207	8.0	19.2	--	6.1
02...	0839	21.0	191	7.6	16.5	--	4.1
02...	0840	24.0	179	7.5	12.8	--	3.7
02...	0841	27.0	175	7.4	12.0	--	3.7
02...	0842	30.0	175	7.4	11.1	--	3.7
02...	0843	33.0	174	7.4	10.5	--	3.8
02...	0844	36.0	173	7.3	9.8	--	4.0
02...	0845	39.0	174	7.3	9.7	--	4.0
02...	0846	42.0	173	7.3	9.5	--	4.0
02...	0847	45.0	174	7.3	9.0	--	4.2
02...	0848	48.0	174	7.3	8.7	--	4.2

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	2.3	e7.9	e8.2	e6.4	10	125	839	95	5.5	2.9	.33
2	.87	1.6	e8.2	e8.2	e6.4	19	204	831	81	4.0	3.8	.19
3	.97	1.4	e8.2	e8.2	e6.4	18	297	577	75	3.0	2.7	.15
4	1.3	1.4	e8.5	e8.1	e6.2	16	337	429	69	3.8	1.8	.15
5	.73	1.7	e8.8	e8.1	e6.2	15	327	430	63	3.7	1.3	e.30
6	.82	1.5	e8.8	e8.0	e6.0	13	371	427	57	2.0	.88	2.5
7	.91	1.4	e8.8	e8.0	e6.0	13	339	433	51	1.9	.85	1.3
8	.79	1.3	e8.9	e8.0	e5.8	13	255	474	45	2.8	.97	1.8
9	.71	1.7	e8.9	e7.9	e5.8	14	217	558	40	2.2	1.4	1.2
10	.77	1.7	e8.6	e7.9	e5.6	19	178	563	37	1.9	2.8	.83
11	1.0	1.7	e8.5	e7.8	e5.5	28	155	621	33	1.8	2.0	.75
12	1.6	1.6	e8.3	e7.8	e5.4	34	122	562	29	1.7	1.4	.48
13	1.5	1.7	e8.3	e7.6	e5.3	33	113	541	27	2.0	1.5	.64
14	1.5	1.8	e8.3	e7.6	e5.3	31	123	528	25	1.8	2.1	1.0
15	1.6	2.3	e8.0	e7.6	e5.3	28	108	517	24	1.8	2.4	1.1
16	1.3	2.1	e8.0	e7.5	e5.3	23	120	478	21	2.2	1.7	1.3
17	1.0	2.5	e8.0	e7.5	e5.3	25	220	447	15	1.5	1.4	2.2
18	1.1	3.1	e8.1	e7.4	e5.4	27	376	386	12	1.2	1.4	1.9
19	.85	3.3	e8.0	e7.3	e5.6	27	489	440	9.7	1.1	1.3	1.6
20	.79	3.6	e8.0	e7.3	e5.8	27	644	472	9.1	.74	1.4	1.6
21	.85	3.7	e8.1	e7.2	e6.0	32	464	352	8.0	.89	1.8	1.4
22	1.2	3.4	e8.3	e7.2	e6.2	55	361	280	7.3	1.3	1.6	.94
23	1.4	3.6	e8.4	e7.1	e6.4	117	288	235	6.3	1.2	1.3	.62
24	1.7	4.5	e9.4	e7.1	e6.6	182	229	211	6.2	1.1	1.0	.47
25	1.6	4.5	e9.6	e7.0	e6.8	233	288	190	4.5	.97	.84	.63
26	1.6	6.3	e8.7	e7.0	e7.0	296	498	177	5.3	1.4	.69	.79
27	1.5	e7.0	e8.4	e6.8	7.3	323	757	164	7.1	1.2	.47	1.2
28	1.5	e7.5	e8.4	e6.8	6.3	212	969	159	6.5	1.5	.42	1.4
29	1.5	e7.0	e6.7	e6.8	---	151	950	174	5.7	1.4	.41	1.4
30	1.3	e7.5	e8.4	e6.6	---	144	778	151	5.0	1.1	.34	1.3
31	1.5	---	e8.4	e6.6	---	115	---	112	---	2.5	.47	---
TOTAL	37.06	94.7	259.9	232.2	167.6	2293	10702	12758	879.7	61.20	45.34	31.47
MEAN	1.20	3.16	8.38	7.49	5.99	74.0	357	412	29.3	1.97	1.46	1.05
MAX	1.7	7.5	9.6	8.2	7.3	323	969	839	95	5.5	3.8	2.5
MIN	.71	1.3	6.7	6.6	5.3	10	108	112	4.5	.74	.34	.15
AC-FT	74	188	516	461	332	4550	21230	25310	1740	121	90	62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

MEAN	13.1	15.2	13.4	14.9	17.1	88.6	414	742	168	14.7	5.48	6.92
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	1.20	3.16	2.76	5.64	5.99	53.4	253	412	29.3	1.97	1.46	1.05
(WY)	2001	2001	2000	2000	2001	2000	1999	2001	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1995 - 2001	
ANNUAL TOTAL	34997.76		27562.17			
ANNUAL MEAN	95.6		75.5		127	
HIGHEST ANNUAL MEAN					192	1997
LOWEST ANNUAL MEAN					75.5	2001
HIGHEST DAILY MEAN	1270	Apr 29	969	Apr 28	1870	May 4 1998
LOWEST DAILY MEAN	.71	Oct 9	.15	Sep 3	.15	Sep 3 2001
ANNUAL SEVEN-DAY MINIMUM	.82	Oct 5	.28	Aug 30	.28	Aug 30 2001
MAXIMUM PEAK FLOW			1180	Apr 28	2430	May 8 1997
MAXIMUM PEAK STAGE			4.82	Apr 28	a6.83	May 8 1997
ANNUAL RUNOFF (AC-FT)	69420		54670		91790	
10 PERCENT EXCEEDS	343		307		422	
50 PERCENT EXCEEDS	8.0		6.6		16	
90 PERCENT EXCEEDS	1.6		.97		2.2	

e Estimated.
a 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. March to September 2001.
WATER TEMPERATURE: August 1995 to September 1999. March to September 2001.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry August 1995 to September 1999. March to September 2001.

REMARKS.--Published daily specific-conductance records are good except for Apr. 17 to May 21, July 16 to Sept. 30, which are fair. Published daily water-temperature records are excellent. Periods of missing or deleted record are due to the sensor being out of water or instrumentation failure.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 588 microsiemens/cm, Apr. 11, 1998: minimum recorded, 126 microsiemens/cm, May 19, 1996.
WATER TEMPERATURE: Maximum recorded, 31.3°C, July 24, 1996: minimum recorded, 0.0°C on many days during winter period.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 422 microsiemens/cm, Apr. 3; minimum, 135 microsiemens/cm, May 18.
WATER TEMPERATURE: Maximum, 30.9°C, July 6; minimum, 2.3°C, Apr. 4, 5.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E COLI, MTEC MF WATER (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)
JAN													
18...	1300	e7.4	289	8.1	0	--	--	11.2	--	--	105	26.4	9.37
FEB													
22...	1400	e6.2	268	8.4	1.2	--	--	11.1	--	--	105	26.5	9.30
MAR													
29...	1045	150	328	8.2	4.1	4.2	--	11.3	26	39	125	31.4	11.4
APR													
17...	1445	259	400	8.7	10.3	38	46	10.9	--	--	139	33.0	13.7
MAY													
01...	0710	966	288	8.3	7.8	68	88	9.5	E23	E20	103	24.7	10.2
JUN													
13...	1030	27	182	8.3	13.3	--	28	8.3	77	83	75.6	19.4	6.57
JUL													
16...	1330	2.5	313	8.3	25.2	--	17	7.4	--	--	119	29.9	10.8
AUG													
08...	1049	1.0	331	8.5	22.0	--	18	7.1	E1	54	120	29.8	11.0

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)	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)
JAN													
18...	14.0	.595	1.37	96	37.2	3.2	E.1	9.9	159	.217	--	<.006	.061
FEB													
22...	14.2	.603	1.35	94	38.6	2.6	E.1	9.8	159	.216	--	<.006	E.044
MAR													
29...	17.8	.692	1.41	110	51.9	3.0	E.1	10.7	194	.264	79	<.006	.129
APR													
17...	27.0	.998	1.87	98	95.4	3.3	E.1	9.1	243	.330	170	.006	.107
MAY													
01...	16.2	.695	1.55	73	61.7	2.1	E.1	8.4	170	.2	442	E.003	.272
JUN													
13...	8.7	.438	1.02	63	24.6	1.3	E.1	10.0	110	.15	8.0	<.006	.055
JUL													
16...	20.4	.815	1.55	107	42.0	4.3	.2	10	183	.249	1.3	<.006	E.035
AUG													
08...	20.7	.821	1.77	114	47.8	3.8	.2	11.0	194	.264	.53	<.006	<.050

e Estimated.

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH, NEAR CRAIG, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)
JAN								
18...	<.041	.29	.30	.013	E.005	<.018	--	--
FEB								
22...	<.041	.27	.25	.010	E.003	<.018	--	--
MAR								
29...	<.041	.37	.26	.015	<.006	<.018	5.2	4.9
APR								
17...	<.041	.43	.35	.080	.014	<.018	--	--
MAY								
01...	<.041	.61	.38	.145	.014	<.018	8.3	6.4
JUN								
13...	<.040	.48	.30	.041	.006	<.020	7.2	6.5
JUL								
16...	<.040	.50	.41	.028	.010	<.020	--	--
AUG								
08...	E.036	.49	.40	.024	E.005	<.020	7.7	7.2

E Estimated laboratory analysis value.

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)	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)
MAY													
01...	1490	E1	<2.0	57.1	36.7	<2.50	E.07	<.14	2	<.8	E2	4.4	2.8
JUN													
13...	534	<2	<2.0	38.9	34.8	<2.50	<.10	<.10	M	<.8	<2	2.4	E1.2

DATE	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)	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)
MAY													
01...	2430	30	3	<1.00	9.6	58	3.7	.01	--	<1.5	5	<2.6	<2.4
JUN													
13...	620	30	<1	<1.00	E4.7	21	6.2	.02	.01	<1.5	2	<3.0	<2.0

DATE	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)
MAY				
01...	<.43	<.2	<31	<20
JUN				
13...	<.40	<.2	32	<20

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH, NEAR CRAIG, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
MAR						
29...	1045	150	4.1	17	7.0	--
APR						
17...	1445	259	10.3	57	40	97
MAY						
01...	0710	966	7.8	182	475	61
JUN						
13...	1030	27	13.3	14	.98	--
JUL						
16...	1330	2.5	25.2	1910	13	100
AUG						
08...	1049	1.0	22.0	17	.05	--

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	379	336	355	305	251	275
2	---	---	---	---	---	---	402	354	378	282	259	269
3	---	---	---	---	---	---	422	373	399	263	235	250
4	---	---	---	---	---	---	417	382	395	247	232	238
5	---	---	---	---	---	---	402	367	381	244	221	232
6	---	---	---	---	---	---	396	383	387	248	218	230
7	---	---	---	---	---	---	394	374	382	225	209	214
8	---	---	---	---	---	---	379	367	374	209	183	198
9	---	---	---	---	---	---	383	372	374	201	187	194
10	---	---	---	---	---	---	387	366	377	200	187	190
11	---	---	---	---	---	---	388	367	381	189	171	182
12	---	---	---	---	---	---	385	374	379	171	161	166
13	---	---	---	---	---	---	393	371	384	166	152	159
14	---	---	---	---	---	---	402	384	392	162	139	150
15	---	---	---	---	---	---	394	384	389	182	143	157
16	---	---	---	---	---	---	392	384	386	172	143	148
17	---	---	---	---	---	---	398	372	385	167	139	154
18	---	---	---	---	---	---	386	373	383	140	135	138
19	---	---	---	---	---	---	385	362	378	155	138	142
20	---	---	---	---	---	---	390	348	370	160	136	142
21	---	---	---	---	---	---	390	360	378	148	143	145
22	---	---	---	---	---	---	373	355	366	146	143	145
23	---	---	---	---	---	---	375	366	370	147	145	146
24	---	---	---	284	267	277	376	373	375	151	146	147
25	---	---	---	285	282	284	385	372	378	172	149	159
26	---	---	---	303	284	296	381	360	370	174	147	161
27	---	---	---	305	293	300	361	313	333	173	149	163
28	---	---	---	311	296	303	347	280	316	157	151	154
29	---	---	---	313	302	308	332	262	296	160	154	157
30	---	---	---	331	304	319	308	273	290	160	155	158
31	---	---	---	352	324	335	---	---	---	165	159	162
MONTH	---	---	---	---	---	---	422	262	370	305	135	178

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH, NEAR CRAIG, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	166	160	164	260	254	257	297	292	294	322	313	319
2	169	165	166	269	257	262	302	290	294	325	312	318
3	174	167	170	281	269	274	327	300	314	327	312	319
4	174	169	171	294	281	289	335	323	327	326	313	318
5	178	171	175	299	292	294	343	328	333	---	---	---
6	177	170	174	315	299	307	351	333	339	---	---	---
7	179	170	176	322	308	314	362	342	350	---	---	---
8	180	175	177	316	306	311	367	308	341	---	---	---
9	---	---	---	331	313	325	322	306	315	---	---	---
10	---	---	---	344	322	333	310	298	303	---	---	---
11	---	---	---	340	332	337	306	299	302	---	---	---
12	---	---	---	341	330	335	303	295	299	---	---	---
13	185	173	180	333	325	329	301	293	297	---	---	---
14	197	182	189	329	325	327	306	292	298	---	---	---
15	201	195	198	334	323	327	312	297	301	---	---	---
16	208	193	196	324	305	317	313	302	307	---	---	---
17	212	196	204	312	304	307	313	301	306	---	---	---
18	213	204	209	317	304	309	315	301	307	---	---	---
19	213	207	209	316	306	310	317	305	310	---	---	---
20	216	211	213	326	305	314	322	309	314	---	---	---
21	223	215	218	319	309	314	323	310	315	---	---	---
22	230	222	225	313	304	308	318	310	313	---	---	---
23	243	228	233	310	302	305	319	307	312	---	---	---
24	257	243	250	313	303	307	319	309	313	355	318	345
25	267	257	261	312	306	309	325	311	316	358	328	344
26	275	262	268	312	306	310	325	310	317	353	320	338
27	271	258	264	315	305	309	325	313	318	349	321	340
28	258	247	252	312	301	307	326	314	320	354	322	341
29	254	246	249	310	297	302	325	316	321	356	327	343
30	259	250	253	314	300	304	326	318	322	349	321	340
31	---	---	---	317	295	301	325	316	320	---	---	---
MONTH	---	---	---	344	254	308	367	290	314	---	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	7.1	2.9	4.4	9.0	7.5	8.0
2	---	---	---	---	---	---	6.0	2.7	3.9	7.9	7.2	7.6
3	---	---	---	---	---	---	5.6	2.5	3.6	7.8	6.8	7.4
4	---	---	---	---	---	---	4.8	2.3	3.3	9.4	6.9	7.8
5	---	---	---	---	---	---	5.2	2.3	3.5	8.8	7.0	7.7
6	---	---	---	---	---	---	4.5	3.3	3.7	9.2	6.4	7.5
7	---	---	---	---	---	---	5.7	3.2	4.0	10.0	6.9	8.1
8	---	---	---	---	---	---	4.9	3.3	3.7	10.6	7.2	8.7
9	---	---	---	---	---	---	7.1	3.0	4.6	10.7	8.0	9.3
10	---	---	---	---	---	---	6.7	3.4	4.5	11.4	8.2	9.7
11	---	---	---	---	---	---	6.6	3.4	4.6	13.1	9.1	10.8
12	---	---	---	---	---	---	7.1	2.9	4.6	12.4	10.8	11.7
13	---	---	---	---	---	---	8.5	2.6	5.0	13.2	10.4	11.8
14	---	---	---	---	---	---	6.9	3.8	4.9	13.6	9.6	11.4
15	---	---	---	---	---	---	9.9	3.1	5.9	13.0	9.1	11.0
16	---	---	---	---	---	---	10.0	3.1	6.2	13.4	9.4	11.9
17	---	---	---	---	---	---	10.0	4.5	7.0	13.8	11.6	12.8
18	---	---	---	---	---	---	8.5	4.8	6.4	14.4	11.8	12.6
19	---	---	---	---	---	---	7.3	4.8	6.1	14.2	11.6	12.9
20	---	---	---	---	---	---	6.7	5.4	5.9	14.0	10.7	12.4
21	---	---	---	---	---	---	7.4	5.7	6.4	13.3	10.3	11.5
22	---	---	---	---	---	---	7.2	6.3	6.8	14.3	10.2	11.9
23	---	---	---	---	---	---	8.6	6.2	7.1	15.7	11.1	13.3
24	---	---	---	7.1	2.6	4.1	9.9	6.0	7.5	16.8	12.5	14.5
25	---	---	---	5.7	2.9	4.0	10.8	6.5	8.5	17.0	12.8	14.5
26	---	---	---	4.9	3.0	3.7	10.0	7.2	8.5	17.6	13.4	15.2
27	---	---	---	5.6	2.9	3.8	9.9	7.4	8.4	17.7	13.4	15.4
28	---	---	---	4.2	2.7	3.3	8.8	7.0	7.9	17.5	14.3	15.3
29	---	---	---	5.8	2.8	3.8	8.5	6.8	7.5	17.6	13.8	15.2
30	---	---	---	5.8	2.8	3.9	9.1	7.1	7.8	18.3	13.2	15.4
31	---	---	---	8.1	2.5	4.6	---	---	---	19.6	13.4	16.2
MONTH	---	---	---	---	---	---	10.8	2.3	5.7	19.6	6.4	11.6

09246400 ELKHEAD CREEK BELOW MAYNARD GULCH, NEAR CRAIG, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.4	12.9	16.5	28.2	19.7	23.8	26.5	17.9	21.5	24.9	15.4	19.4
2	19.1	13.6	16.1	29.1	19.2	23.7	27.5	18.0	22.1	25.9	15.7	20.3
3	16.3	10.9	13.8	28.9	19.2	24.3	27.2	18.7	23.0	26.6	16.1	21.0
4	15.7	11.5	13.4	30.2	19.9	24.9	29.0	20.3	24.2	23.3	16.8	19.9
5	17.1	11.4	14.3	29.9	20.5	25.0	30.1	19.9	24.8	---	---	---
6	19.2	11.1	15.2	30.9	21.3	25.8	29.1	20.7	23.4	20.2	14.6	17.2
7	20.5	12.8	16.9	26.9	21.6	24.4	26.5	19.6	22.8	19.2	11.9	14.8
8	22.2	15.1	---	30.7	21.2	25.1	28.1	20.2	22.9	16.4	10.5	13.2
9	---	15.1	---	30.8	20.8	24.8	29.1	19.4	22.9	20.3	8.9	14.1
10	---	---	---	29.2	21.9	24.8	26.5	19.6	21.7	21.5	10.8	15.7
11	---	---	---	28.9	21.3	24.7	28.1	18.4	22.9	22.7	11.7	16.8
12	---	---	---	28.0	20.9	23.8	28.4	19.1	23.5	22.8	13.2	17.5
13	16.1	12.4	14.2	27.5	19.8	22.8	25.6	19.2	21.6	19.2	14.8	16.5
14	14.8	12.1	13.8	25.8	19.1	22.0	26.4	19.0	21.2	22.8	12.9	17.2
15	17.2	13.1	15.3	25.0	19.2	21.6	26.6	17.7	21.6	22.2	14.0	17.5
16	18.5	14.9	16.9	26.0	17.6	21.5	25.8	17.4	21.3	21.2	13.4	16.5
17	21.6	16.0	18.2	25.9	17.8	21.5	26.4	17.4	21.6	18.5	13.9	15.3
18	22.6	15.7	18.4	25.5	17.7	21.4	26.9	17.2	21.5	21.1	13.2	16.4
19	23.4	14.8	18.7	27.2	18.1	22.3	25.8	17.4	20.9	21.2	12.5	16.5
20	23.7	14.9	19.2	26.2	18.9	22.1	22.9	17.6	19.7	22.0	12.7	17.0
21	26.0	15.7	20.5	27.7	18.2	22.7	24.6	17.6	20.3	22.0	12.6	16.9
22	26.8	16.6	21.5	27.6	18.0	22.7	23.3	16.9	19.9	22.3	13.1	17.1
23	27.3	17.8	22.2	26.6	18.3	22.3	26.1	16.2	20.7	22.2	11.8	16.6
24	25.2	18.2	21.5	26.4	19.1	22.3	25.0	16.5	20.7	22.0	11.8	16.5
25	24.6	17.7	21.3	28.2	18.2	22.6	27.3	17.4	22.0	22.2	11.7	16.5
26	25.3	17.2	21.0	25.2	20.1	21.7	27.4	16.8	21.8	20.5	11.9	16.0
27	25.5	17.2	21.2	28.1	17.8	22.6	27.3	16.7	21.8	21.8	11.4	16.1
28	28.7	17.5	22.8	27.8	18.4	22.7	25.9	17.1	20.9	20.6	12.0	16.2
29	29.5	18.9	24.0	26.6	18.4	22.4	26.3	16.5	20.3	21.1	13.2	16.6
30	30.0	19.5	24.7	25.0	18.4	21.6	25.0	15.8	19.4	21.3	12.1	15.9
31	---	---	---	25.1	19.5	21.7	22.8	16.4	19.1	---	---	---
MONTH	---	---	---	30.9	17.6	23.1	30.1	15.8	21.7	---	---	---

09247600 YAMPA RIVER BELOW CRAIG, CO

LOCATION.--Lat 40°28'51", long 107°36'49", in SW$^{1}/_{4}$NW$^{1}/_{4}$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	267	205	e200	e200	e230	e360	1220	4490	4530	593	155	81
2	245	212	e195	e200	e240	e370	1670	4810	4630	551	164	79
3	197	188	e190	e200	e250	e370	2130	4280	4500	484	156	69
4	176	170	e195	e200	e260	e370	2310	3390	4030	397	148	66
5	161	184	e195	e200	e270	e380	2080	3050	3280	366	123	59
6	161	210	e195	e200	e270	e380	2130	2970	2840	337	113	59
7	163	196	e195	e210	e280	e390	2220	2900	2930	314	94	65
8	166	171	e190	e200	e280	e390	1780	3060	3160	283	83	77
9	160	196	e190	e200	e280	e390	1500	3650	3090	299	98	123
10	138	196	e195	e200	e290	e400	1320	4270	2990	283	158	144
11	148	234	e195	e200	e290	e400	1260	5110	2970	344	238	115
12	168	172	e198	e210	e300	e400	1160	5360	2820	397	208	128
13	164	185	e200	e200	e300	e400	1150	5720	2430	346	166	134
14	149	165	e200	e200	e310	e400	1150	6070	2100	319	157	106
15	156	177	e200	e200	e310	e400	1060	6470	1750	309	166	113
16	166	205	e200	e200	e320	401	1050	6800	1480	312	195	122
17	153	184	e200	e200	e320	367	1250	7410	1410	305	178	140
18	158	196	e200	e200	e320	409	1720	6770	1410	272	153	174
19	165	208	e200	e190	e330	404	2220	6730	1360	218	134	206
20	154	e205	e200	e190	e330	431	2760	7330	1280	189	119	199
21	155	e200	e200	e200	e340	492	2490	6140	1140	169	122	173
22	161	e200	e200	e200	e340	723	2070	4930	1060	156	133	160
23	155	e205	e200	e200	e340	1110	1840	4440	987	154	134	146
24	153	e210	e200	e200	e350	1320	1530	4670	932	138	123	134
25	172	e210	e200	e210	e350	1560	1510	4980	896	123	114	121
26	167	e205	e200	e210	e350	1960	2070	5130	866	120	115	105
27	179	e205	e200	e210	e360	2290	3000	5450	901	129	119	100
28	177	e200	e200	e200	e360	1750	4020	5830	891	158	109	100
29	175	e200	e200	e200	---	1330	4420	5270	759	169	97	98
30	161	e205	e200	e210	---	1240	4250	5050	672	150	81	96
31	181	---	e200	e220	---	1100	---	4700	---	154	83	---
TOTAL	5251	5899	6133	6260	8570	22687	60340	157230	64094	8538	4236	3492
MEAN	169	197	198	202	306	732	2011	5072	2136	275	137	116
MAX	267	234	200	220	360	2290	4420	7410	4630	593	238	206
MIN	138	165	190	190	230	360	1050	2900	672	120	81	59
AC-FT	10420	11700	12160	12420	17000	45000	119700	311900	127100	16940	8400	6930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2001, BY WATER YEAR (WY)

MEAN	332	312	242	238	296	806	2407	5005	4144	1020	280	243
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1985 - 2001	
ANNUAL TOTAL	421609		352730			
ANNUAL MEAN	1152		966		1279	
HIGHEST ANNUAL MEAN					1925	1997
LOWEST ANNUAL MEAN					734	1989
HIGHEST DAILY MEAN	9650	May 31	7410	May 17	12000	Jun 4 1997
LOWEST DAILY MEAN	44	Aug 15	59	Sep 5	1.3	Sep 1 1988
ANNUAL SEVEN-DAY MINIMUM	50	Aug 11	68	Sep 2	13	Aug 31 1988
MAXIMUM PEAK FLOW			7830	May 17	12900	Jun 4 1997
MAXIMUM PEAK STAGE			7.67	May 17	10.78	Jun 4 1997
ANNUAL RUNOFF (AC-FT)	836300		699600		926600	
10 PERCENT EXCEEDS	4100		3120		4260	
50 PERCENT EXCEEDS	270		210		360	
90 PERCENT EXCEEDS	102		126		152	

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
DEC													
13...	1045	202	400	8.0	.00	11.4	E5	E2	140	36.2	13.0	27.4	1.0
MAR													
19...	1530	440	575	8.5	4.4	11.3	E7	E8	190	41.4	20.5	40.5	1
MAY													
23...	1000	4270	118	7.3	9.9	9.6	35	25	43	11.3	3.68	5.8	.4
AUG													
23...	1015	147	433	8.2	18.8	8.1	E8	26	150	34.6	14.3	30.1	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)	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)
DEC													
13...	1.90	122	63.4	10.7	.2	7.0	234	.32	128	E.004	.234	<.041	.23
MAR													
19...	2.27	134	134	13.3	.2	7.3	341	.46	406	.006	.475	<.041	.45
MAY													
23...	.86	37	17.4	1.5	E.1	8.5	71	.10	822	E.003	.057	<.040	.34
AUG													
23...	2.50	129	69.0	10.8	.3	2.9	242	.33	96.0	<.006	<.050	<.040	.45

DATE	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)	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)
DEC													
13...	.19	.021	.012	<.018	<.14	E.8	120	<1.00	26	24.8	<.23	<2.4	<.2
MAR													
19...	.26	.053	.025	E.016	<.14	E.9	310	<1.00	64	42.0	<.01	3.8	<.2
MAY													
23...	.34	.091	.017	<.020	<.10	E1.0	1270	<1.00	69	8.1	.01	<2.0	<.2
AUG													
23...	.33	.040	.019	E.010	<.10	E.9	230	<1.00	48	14.7	.05	<2.0	<.2

DATE	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
DEC	
13...	<20
MAR	
19...	<20
MAY	
23...	<20
AUG	
23...	E19

E Estimated laboratory analysis value.

09247600 YAMPA RIVER BELOW CRAIG, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT				
03...	1308	215	215	14.0
NOV				
07...	1515	183	550	1.8
MAR				
15...	0905	426	657	.1
APR				
12...	1045	1140	657	5.4
JUN				
21...	1125	1090	158	18.2
JUL				
16...	1110	314	357	22.2
SEP				
06...	1005	60	473	19.3
26...	1105	94	403	14.5

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 September 2001 (discontinued). 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.--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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	50	40	e36	e42	e48	76	747	600	75	38	35
2	45	47	36	e38	e42	e50	96	855	602	71	37	34
3	42	42	36	e42	e43	e50	139	586	598	66	36	31
4	41	38	37	e44	e43	e50	164	434	524	61	40	29
5	43	52	37	e44	e43	e50	155	462	416	56	39	30
6	41	51	38	e44	e42	e50	170	431	356	54	37	28
7	42	34	38	e45	e42	e52	156	408	355	50	33	28
8	42	34	38	e44	e42	e54	134	461	343	55	38	37
9	42	51	38	e43	e42	e54	117	685	318	60	53	43
10	44	44	39	e42	e42	e56	109	889	306	67	57	39
11	46	38	37	e42	e42	e58	105	1080	292	77	71	40
12	47	35	38	e42	e44	e60	99	e1170	255	68	54	34
13	45	34	37	e42	e44	e60	98	e1320	263	55	44	33
14	43	31	40	e41	e44	64	95	e1410	241	57	56	34
15	44	34	45	e41	e45	57	91	1310	204	62	68	35
16	41	41	44	e41	e45	79	98	1410	176	57	59	32
17	42	37	42	e41	e45	76	135	1340	155	55	45	34
18	42	35	41	e41	e45	63	209	1250	137	44	40	44
19	41	36	43	e41	e45	58	292	1170	123	44	37	43
20	41	40	40	e42	e45	69	378	1080	130	40	36	37
21	41	40	43	e42	e45	83	287	915	123	40	36	33
22	41	40	41	e42	e46	127	248	693	110	37	38	34
23	41	41	44	e42	e46	144	204	711	104	35	38	32
24	44	38	42	e42	e47	132	186	767	96	35	39	30
25	48	39	43	e42	e47	139	186	804	91	35	35	30
26	49	41	43	e42	e47	142	241	820	90	34	33	30
27	45	41	39	e42	e48	127	378	803	162	42	31	29
28	46	43	e40	e42	e48	96	528	831	126	43	29	28
29	49	41	e41	e42	---	92	624	698	91	38	28	28
30	51	41	e36	e42	---	81	601	664	81	34	28	25
31	47	---	e34	e42	---	74	---	641	---	33	28	---
TOTAL	1367	1209	1230	1298	1241	2395	6399	26845	7468	1580	1281	999
MEAN	44.1	40.3	39.7	41.9	44.3	77.3	213	866	249	51.0	41.3	33.3
MAX	51	52	45	45	48	144	624	1410	602	77	71	44
MIN	41	31	34	36	42	48	76	408	81	33	28	25
AC-FT	2710	2400	2440	2570	2460	4750	12690	53250	14810	3130	2540	1980

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

MEAN	68.9	65.2	58.4	59.5	62.3	99.0	312	1039	649	163	72.3	58.9
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1984 - 2001	
ANNUAL TOTAL	52189		53312			
ANNUAL MEAN	143		146		213	
HIGHEST ANNUAL MEAN					358	1985
LOWEST ANNUAL MEAN					105	1994
HIGHEST DAILY MEAN	1230	May 26	e1410	May 14	3980	May 16 1984
LOWEST DAILY MEAN	15	Aug 9	25	Sep 30	13	Sep 13 1994
ANNUAL SEVEN-DAY MINIMUM	16	Aug 5	29	Sep 24	15	Sep 9 1994
MAXIMUM PEAK FLOW			a1730	May 16	4750	May 16 1984
MAXIMUM PEAK STAGE			a6.36	May 16	9.96	May 16 1984
ANNUAL RUNOFF (AC-FT)	103500		105700		154400	
10 PERCENT EXCEEDS	454		432		664	
50 PERCENT EXCEEDS	54		44		75	
90 PERCENT EXCEEDS	29		34		38	

e Estimated.
a Maximum recorded, may have been higher during period of no gage-height record, May 12-14.

09251000 YAMPA RIVER NEAR MAYBELL, CO

LOCATION.--Lat 40°30'10", long 108°01'45", in $SE^1/_4NW^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	296	219	e250	e260	e260	e400	1060	4370	4510	570	126	59
2	296	247	e230	e250	e275	e410	1300	4960	4490	491	133	62
3	260	246	e235	e245	e290	e420	1750	4940	4550	456	146	62
4	e240	227	e230	e250	e305	e415	2100	3800	4370	415	126	64
5	e215	201	e240	e250	e315	e425	2220	3170	3670	337	126	61
6	203	223	e235	e245	e310	e430	1990	3160	3000	312	124	57
7	196	250	e240	e250	e320	e435	2250	3020	2740	294	102	50
8	194	216	e230	e245	e315	e440	2020	3040	2990	297	83	52
9	206	209	e235	e240	e325	e450	1690	3510	3070	266	75	76
10	199	260	e230	e235	e330	e460	1420	4370	2930	289	98	98
11	189	e285	e240	e240	e335	e465	1340	5170	2810	298	154	164
12	181	156	e245	e245	e345	e470	1260	5740	2770	345	236	130
13	209	205	e235	e250	e345	e470	1190	5960	2590	391	229	119
14	203	229	e270	e240	e350	e485	1180	6430	2280	350	167	132
15	190	e215	e250	e235	e355	e480	1180	6630	1870	322	187	116
16	176	e220	e255	e240	e365	e500	1080	7190	1580	323	178	104
17	192	e230	e240	e240	e370	e465	1140	7650	1370	301	195	121
18	185	e235	e220	e245	e365	e495	1410	7600	1320	292	177	138
19	174	e250	e225	e250	e375	496	2040	6750	1250	258	139	160
20	187	e245	e230	e240	e380	492	2600	7480	1220	197	123	211
21	186	e255	e220	e235	e385	568	2950	6870	1130	164	105	210
22	173	e245	e215	e250	e390	694	2390	5410	1020	143	91	172
23	186	e250	e240	e240	e395	1150	2180	4490	948	132	98	163
24	185	e245	e245	e250	e400	1660	1830	4480	876	126	114	145
25	178	e255	e255	e245	e405	1480	1620	4880	820	121	95	133
26	195	e240	e270	e255	e400	1710	1780	5150	816	94	94	117
27	206	e250	e275	e260	e405	2180	2520	5300	806	96	94	110
28	206	e235	e280	e250	e415	1990	3620	5730	892	95	77	100
29	208	e240	e270	e255	---	1540	4430	5620	759	125	85	95
30	206	e245	e275	e260	---	1260	4560	5010	636	123	70	92
31	200	---	e285	e255	---	1190	---	4870	---	119	68	---
TOTAL	6320	7028	7595	7650	9825	24525	60100	162750	64083	8142	3915	3373
MEAN	204	234	245	247	351	791	2003	5250	2136	263	126	112
MAX	296	285	285	260	415	2180	4560	7650	4550	570	236	211
MIN	173	156	215	235	260	400	1060	3020	636	94	68	50
AC-FT	12540	13940	15060	15170	19490	48650	119200	322800	127100	16150	7770	6690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2001, BY WATER YEAR (WY)

MEAN	352	355	298	280	335	720	2612	6283	5527	1398	384	248
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1916 - 2001	
ANNUAL TOTAL	462164		365306			
ANNUAL MEAN	1263		1001		1568	
HIGHEST ANNUAL MEAN					3025	1984
LOWEST ANNUAL MEAN					477	1977
HIGHEST DAILY MEAN	9830	May 31	7650	May 17	24400	May 17 1984
LOWEST DAILY MEAN	30	Aug 16	50	Sep 7	a2.0	Jul 17 1934
ANNUAL SEVEN-DAY MINIMUM	36	Aug 12	58	Sep 2	3.0	Jul 30 1934
MAXIMUM PEAK FLOW			8010	May 17	25100	May 17 1984
MAXIMUM PEAK STAGE			b7.36	May 17	12.42	May 17 1984
ANNUAL RUNOFF (AC-FT)	916700		724600		1136000	
10 PERCENT EXCEEDS	4570		3160		5340	
50 PERCENT EXCEEDS	355		260		400	
90 PERCENT EXCEEDS	108		119		177	

e Estimated.
a Also occurred Jul 18-19, 1934.
b Maximum gage height, 7.80 ft, Nov 11, backwater from ice.

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 excellent, and water-temperature record is excellent. Unpublished maximum and minimum specific-conductance data for period of daily record available in district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1260 microsiemens/cm, Nov. 17, 1985; minimum, 78 microsiemens/cm, June 1-2, 1994.
pH: Maximum, 9.0 units, Mar. 18, 1999, and June 24, 2001; minimum, 7.6 units, August 8, 2001.
WATER TEMPERATURE: Maximum, 33.0°C, Aug. 29, 1976; minimum, 0.0°C, on many days during winter months.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 906 microsiemens/cm, Mar. 23; minimum, 113 microsiemens/cm, June 3.
pH: Maximum, 9.0 units, June 24; minimum, 7.6 units, Aug. 8.
WATER TEMPERATURE: Maximum, 29.1°C, Aug. 6; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)
NOV													
13...	1145	213	686	8.5	.2	11.4	254	55.5	28.0	56.2	1.54	2.99	200
DEC													
18...	1200	213	609	8.6	0	11.4	215	47.6	23.3	46.7	1.39	2.35	166
JAN													
09...	1230	241	619	8.4	0	11.3	225	50.6	24.0	44.5	1.29	2.59	167
MAR													
16...	1000	1010	779	8.6	0	12.3	--	--	--	--	--	--	--
APR													
30...	1010	4430	241	8.3	9.3	9.1	--	--	--	--	--	--	--
MAY													
31...	1215	4800	124	7.9	13.3	8.9	--	--	--	--	--	--	--
JUN													
28...	1015	925	256	8.6	20.2	7.6	--	--	--	--	--	--	--
JUL													
12...	1315	353	434	8.8	25.2	7.3	--	--	--	--	--	--	--
AUG													
16...	1030	184	474	8.5	19.9	7.9	--	--	--	--	--	--	--

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)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
NOV									
13...	150	20.1	.3	8.8	--	442	.6	254	--
DEC									
18...	125	16.5	.3	7.7	--	369	.5	212	.7
JAN									
09...	124	17.4	.2	8.0	--	371	.5	242	--
MAR									
16...	--	--	--	--	516	--	--	--	3.4
APR									
30...	--	--	--	--	162	--	--	--	--
MAY									
31...	--	--	--	--	110	--	--	--	<.3
JUN									
28...	--	--	--	--	160	--	--	--	E.2
JUL									
12...	--	--	--	--	256	--	--	--	--
AUG									
16...	--	--	--	--	274	--	--	--	0

E Estimated laboratory analysis value.

09251000 YAMPA RIVER NEAR MAYBELL, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	490	482	485	561	555	559	574	556	568	635	623	629
2	487	478	482	559	551	555	587	569	577	635	619	626
3	482	472	478	554	544	549	584	573	579	626	611	618
4	486	478	484	556	546	549	590	576	584	633	624	629
5	497	486	493	563	554	559	587	572	581	632	616	621
6	497	483	494	565	550	559	588	578	583	625	605	616
7	502	497	500	574	550	563	597	576	588	625	609	616
8	513	502	507	593	566	578	594	586	590	623	614	618
9	527	513	520	591	576	584	594	585	589	625	609	616
10	539	527	533	576	546	560	585	581	583	626	609	618
11	547	534	540	610	545	583	589	580	584	622	611	617
12	567	547	556	653	601	617	585	575	579	620	608	615
13	571	565	568	657	629	640	591	565	580	616	606	611
14	578	568	573	657	616	639	586	561	571	609	593	601
15	594	577	587	660	623	642	604	586	599	598	586	595
16	602	593	598	659	640	651	602	590	598	597	592	595
17	601	583	591	672	641	661	606	596	600	593	584	589
18	584	577	580	685	665	676	618	604	609	591	582	587
19	581	569	576	691	661	676	638	613	622	592	578	584
20	572	554	563	684	671	679	638	618	630	600	591	595
21	562	555	559	693	668	682	641	623	632	600	594	596
22	568	562	565	678	657	666	645	637	640	602	587	597
23	567	556	561	662	639	651	637	612	622	603	591	599
24	567	557	563	649	630	639	632	620	629	603	595	600
25	571	559	564	630	602	612	620	603	611	602	597	600
26	566	554	559	606	592	602	615	600	608	604	598	601
27	564	550	556	593	560	577	615	599	608	608	601	603
28	569	563	566	565	553	560	608	597	601	607	601	603
29	566	560	563	562	553	558	615	606	610	609	601	605
30	564	557	560	563	553	558	629	613	618	608	604	606
31	561	551	557	---	---	---	630	615	622	615	605	610
MONTH	602	472	545	693	544	606	645	556	600	635	578	607

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	617	610	613	641	631	638	770	748	758	232	220	224
2	617	610	613	640	630	635	786	736	758	226	201	210
3	616	613	615	639	631	635	786	692	736	215	195	200
4	617	611	614	642	631	637	692	589	621	255	215	237
5	623	611	615	642	635	639	589	490	533	310	255	280
6	616	609	612	645	623	635	490	469	480	316	302	309
7	613	604	609	672	634	649	478	461	471	307	292	301
8	615	606	611	714	666	683	471	453	461	292	262	277
9	621	607	614	747	703	723	520	471	503	263	235	250
10	639	608	621	773	707	739	541	519	529	240	204	218
11	665	638	651	820	751	787	551	536	545	210	186	195
12	672	653	662	831	800	817	556	547	551	189	164	175
13	656	649	653	849	781	821	558	547	554	178	157	167
14	658	649	653	781	742	763	566	555	561	168	149	158
15	660	650	655	742	718	725	559	537	547	158	146	153
16	651	641	647	771	718	748	553	544	549	156	140	148
17	643	638	641	772	709	746	555	537	548	156	142	149
18	647	633	640	774	745	761	543	486	517	163	152	157
19	634	616	625	774	739	759	486	409	448	163	155	159
20	627	617	621	770	744	755	409	352	378	159	147	152
21	622	614	619	785	746	765	353	314	330	160	147	152
22	622	614	619	785	747	763	320	311	314	162	151	157
23	645	600	618	906	707	785	339	320	329	174	161	166
24	657	643	649	846	706	754	368	339	350	173	160	165
25	657	644	649	748	674	716	397	368	387	167	147	155
26	661	646	654	707	674	692	399	385	394	158	138	148
27	653	640	647	716	655	696	385	329	360	154	137	145
28	645	634	639	696	650	675	329	265	291	149	131	137
29	---	---	---	754	691	722	266	232	245	143	123	132
30	---	---	---	744	681	706	243	219	229	143	132	137
31	---	---	---	767	725	740	---	---	---	141	122	129
MONTH	672	600	631	906	623	720	786	219	476	316	122	185

09251000 YAMPA RIVER NEAR MAYBELL, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	135	121	127	306	286	294	531	495	514	609	588	595
2	136	119	127	325	306	312	510	481	494	612	602	607
3	134	113	121	339	324	331	493	473	485	614	596	605
4	128	114	121	355	339	347	507	478	495	614	601	607
5	137	126	130	382	355	369	512	479	497	624	604	612
6	156	137	148	400	382	387	506	483	496	636	619	625
7	168	156	161	410	399	404	523	503	515	648	630	641
8	166	141	155	418	407	411	538	519	525	669	640	650
9	150	132	142	423	417	420	555	538	543	667	624	641
10	147	128	141	423	411	417	558	536	548	631	605	618
11	148	131	142	442	419	430	540	499	518	613	573	592
12	147	131	140	445	419	430	571	518	543	596	575	585
13	146	136	141	429	411	418	547	504	525	598	560	579
14	167	143	158	419	405	413	510	483	502	564	540	550
15	187	167	176	417	406	412	492	469	479	562	538	551
16	212	184	198	414	400	406	473	466	470	562	550	555
17	240	209	224	416	400	408	480	466	472	567	541	552
18	241	235	239	419	405	412	502	474	487	576	561	568
19	243	235	238	422	406	413	528	501	515	563	538	549
20	240	231	237	432	417	424	541	528	532	540	522	530
21	244	234	240	443	423	432	553	541	547	531	518	526
22	248	242	245	456	427	442	566	548	558	524	510	517
23	251	242	247	464	437	453	572	559	564	518	507	513
24	253	245	251	476	459	468	568	557	564	518	508	513
25	258	250	254	486	439	469	589	562	576	522	509	516
26	264	255	259	497	469	483	592	582	586	528	512	523
27	267	257	263	502	483	494	589	573	579	534	523	528
28	273	254	262	518	498	505	602	574	584	541	526	532
29	292	273	285	520	494	511	607	580	592	545	534	541
30	291	281	284	526	510	519	595	579	585	551	534	540
31	---	---	---	530	509	520	597	585	591	---	---	---
MONTH	292	113	195	530	286	424	607	466	532	669	507	569
YEAR	906	113	507									

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.7	8.6	8.6	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.2	8.3
2	8.7	8.6	8.6	8.5	8.5	8.5	8.5	8.4	8.4	8.3	8.2	8.2
3	8.7	8.6	8.6	8.5	8.5	8.5	8.4	8.4	8.4	8.3	8.2	8.3
4	8.7	8.5	8.6	8.5	8.5	8.5	8.5	8.4	8.4	8.3	8.2	8.2
5	8.6	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.4	8.3	8.2	8.2
6	8.6	8.5	8.5	8.5	8.4	8.5	8.5	8.4	8.4	8.3	8.2	8.2
7	8.6	8.4	8.5	8.5	8.5	8.5	8.5	8.4	8.4	8.3	8.2	8.2
8	8.6	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.4	8.3	8.2	8.2
9	8.6	8.4	8.5	8.5	8.4	8.5	8.5	8.4	8.4	8.3	8.2	8.2
10	8.5	8.4	8.5	8.5	8.4	8.5	8.5	8.4	8.4	8.2	8.1	8.2
11	8.5	8.4	8.5	8.5	8.4	8.4	8.4	8.4	8.4	8.2	8.1	8.1
12	8.5	8.4	8.5	8.4	8.4	8.4	8.4	8.3	8.4	8.2	8.1	8.1
13	8.6	8.5	8.5	8.4	8.4	8.4	8.4	8.3	8.3	8.1	8.1	8.1
14	8.6	8.5	8.5	8.4	8.4	8.4	8.4	8.3	8.3	8.1	8.0	8.1
15	8.6	8.5	8.5	8.4	8.4	8.4	8.4	8.3	8.3	8.0	7.9	8.0
16	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.3	8.3	7.9	7.9	7.9
17	8.6	8.5	8.5	8.4	8.4	8.4	8.4	8.3	8.4	7.9	7.9	7.9
18	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.3	8.3	7.9	7.8	7.9
19	8.5	8.5	8.5	8.4	8.3	8.4	8.4	8.3	8.4	7.9	7.8	7.8
20	8.6	8.5	8.5	8.4	8.3	8.4	8.5	8.3	8.4	7.9	7.8	7.9
21	8.6	8.5	8.5	8.4	8.3	8.3	8.4	8.3	8.4	7.9	7.8	7.8
22	8.6	8.5	8.5	8.4	8.3	8.4	8.4	8.3	8.4	7.9	7.8	7.8
23	8.6	8.5	8.5	8.4	8.3	8.4	8.4	8.3	8.4	7.8	7.8	7.8
24	8.6	8.5	8.5	8.4	8.3	8.3	8.4	8.3	8.4	7.8	7.8	7.8
25	8.6	8.5	8.5	8.4	8.3	8.4	8.4	8.3	8.3	7.8	7.8	7.8
26	8.6	8.5	8.5	8.4	8.4	8.4	8.4	8.3	8.4	7.8	7.8	7.8
27	8.6	8.5	8.5	8.4	8.4	8.4	8.4	8.3	8.3	7.8	7.8	7.8
28	8.6	8.5	8.5	8.4	8.3	8.4	8.4	8.2	8.3	7.8	7.8	7.8
29	8.6	8.4	8.5	8.4	8.4	8.4	8.3	8.2	8.2	7.8	7.8	7.8
30	8.6	8.5	8.5	8.4	8.4	8.4	8.3	8.2	8.3	7.8	7.8	7.8
31	8.6	8.5	8.5	---	---	---	8.3	8.2	8.3	7.8	7.8	7.8

09251000 YAMPA RIVER NEAR MAYBELL, CO--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.8	7.8	7.8	8.2	8.1	8.1	8.5	8.4	8.4	8.0	8.0	8.0
2	7.8	7.8	7.8	8.2	8.1	8.2	8.5	8.4	8.4	8.1	8.0	8.0
3	7.8	7.8	7.8	8.3	8.1	8.2	8.4	8.4	8.4	8.1	8.0	8.0
4	7.8	7.8	7.8	8.4	8.2	8.3	8.4	8.3	8.3	8.0	8.0	8.0
5	7.8	7.8	7.8	8.4	8.3	8.4	8.3	8.3	8.3	8.1	8.0	8.1
6	7.9	7.8	7.8	8.5	8.3	8.4	8.3	8.3	8.3	8.1	8.1	8.1
7	7.9	7.8	7.8	8.5	8.4	8.5	8.3	8.3	8.3	8.1	8.1	8.1
8	7.9	7.8	7.8	8.6	8.4	8.5	8.3	8.3	8.3	8.1	8.1	8.1
9	7.9	7.8	7.8	8.7	8.5	8.6	8.4	8.3	8.3	8.1	8.0	8.1
10	7.9	7.9	7.9	8.7	8.5	8.6	8.4	8.3	8.4	8.1	8.0	8.0
11	7.9	7.9	7.9	8.6	8.5	8.6	8.4	8.4	8.4	8.1	8.0	8.1
12	7.9	7.9	7.9	8.5	8.4	8.5	8.5	8.4	8.4	8.1	8.0	8.1
13	7.9	7.9	7.9	8.5	8.4	8.5	8.5	8.4	8.5	8.1	8.1	8.1
14	7.9	7.8	7.9	8.5	8.4	8.4	8.6	8.4	8.5	8.1	8.1	8.1
15	7.9	7.8	7.8	8.6	8.4	8.5	8.6	8.5	8.5	8.1	8.1	8.1
16	7.8	7.8	7.8	8.6	8.5	8.5	8.7	8.5	8.6	8.2	8.0	8.1
17	7.8	7.8	7.8	8.6	8.4	8.5	8.8	8.5	8.6	8.2	8.1	8.1
18	7.8	7.8	7.8	8.7	8.5	8.6	8.8	8.6	8.7	8.1	8.0	8.0
19	7.9	7.8	7.8	8.7	8.5	8.6	8.6	8.4	8.5	8.1	8.0	8.0
20	7.9	7.9	7.9	8.8	8.6	8.7	8.4	8.3	8.3	8.0	7.9	8.0
21	8.0	7.9	7.9	8.7	8.6	8.7	8.3	8.2	8.2	8.0	7.9	7.9
22	8.0	7.9	8.0	8.7	8.5	8.6	8.3	8.2	8.2	7.9	7.9	7.9
23	8.0	8.0	8.0	8.5	8.3	8.5	8.3	8.2	8.3	7.9	7.9	7.9
24	8.1	8.0	8.0	8.3	8.2	8.3	8.4	8.3	8.3	7.9	7.9	7.9
25	8.1	8.0	8.0	8.3	8.3	8.3	8.5	8.3	8.4	7.9	7.9	7.9
26	8.1	8.1	8.1	8.3	8.3	8.3	8.6	8.4	8.5	7.9	7.9	7.9
27	8.1	8.1	8.1	8.3	8.2	8.3	8.5	8.3	8.4	7.9	7.9	7.9
28	8.2	8.1	8.1	8.3	8.2	8.2	8.3	8.1	8.2	7.9	7.8	7.9
29	---	---	---	8.3	8.3	8.3	8.1	8.1	8.1	7.9	7.8	7.8
30	---	---	---	8.4	8.3	8.4	8.2	8.0	8.1	7.9	7.8	7.9
31	---	---	---	8.4	8.4	8.4	---	---	---	7.9	7.8	7.9

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.9	7.8	7.9	8.7	8.4	8.6	8.6	8.0	8.2	8.7	8.1	8.4
2	8.0	7.9	7.9	8.8	8.4	8.6	8.6	8.0	8.3	8.7	8.2	8.4
3	8.0	7.9	7.9	8.8	8.5	8.6	8.6	8.0	8.2	8.6	8.2	8.4
4	7.9	7.9	7.9	8.7	8.5	8.6	8.6	7.9	8.2	8.6	8.2	8.4
5	8.1	7.9	8.0	8.7	8.4	8.6	8.6	7.9	8.2	8.6	8.1	8.4
6	8.1	8.0	8.1	8.7	8.4	8.5	8.6	7.9	8.1	8.6	8.1	8.4
7	8.2	8.1	8.1	8.7	8.4	8.6	8.5	7.7	8.0	8.6	8.2	8.4
8	8.3	8.1	8.2	8.7	8.4	8.5	8.5	7.6	8.0	8.6	8.2	8.4
9	8.3	8.2	8.2	8.7	8.3	8.5	8.5	7.7	8.1	8.6	8.3	8.4
10	8.3	8.2	8.2	8.7	8.4	8.6	8.6	7.7	8.1	8.6	8.2	8.4
11	8.4	8.2	8.3	8.7	8.3	8.6	8.6	7.9	8.2	8.6	8.4	8.5
12	8.4	8.3	8.3	8.8	8.5	8.7	8.3	8.0	8.1	8.6	8.2	8.4
13	8.4	8.3	8.3	8.8	8.5	8.6	8.1	7.9	8.0	8.5	8.1	8.4
14	8.5	8.3	8.4	8.6	8.0	8.4	8.4	8.0	8.1	8.6	8.3	8.4
15	8.6	8.4	8.5	8.7	8.0	8.4	8.3	8.0	8.1	8.4	8.2	8.3
16	8.6	8.4	8.5	8.8	8.3	8.6	8.6	8.0	8.3	8.5	8.1	8.3
17	8.7	8.4	8.6	8.9	8.4	8.6	8.6	8.2	8.3	8.6	8.2	8.3
18	8.8	8.5	8.6	8.9	8.5	8.7	8.6	8.2	8.3	8.5	8.3	8.4
19	8.7	8.5	8.6	8.9	8.4	8.7	8.6	8.2	8.3	8.5	8.3	8.4
20	8.7	8.5	8.6	8.9	8.3	8.6	8.5	8.2	8.3	8.5	8.3	8.4
21	8.6	8.5	8.6	8.9	8.2	8.5	8.5	8.0	8.3	8.5	8.3	8.4
22	8.7	8.5	8.6	8.8	8.1	8.5	8.6	8.0	8.3	8.5	8.3	8.4
23	8.9	8.5	8.6	8.8	8.1	8.4	8.6	8.1	8.4	8.5	8.3	8.4
24	9.0	8.7	8.8	8.7	8.0	8.4	8.6	8.2	8.4	8.5	8.3	8.4
25	8.9	8.6	8.7	8.7	8.0	8.4	8.6	8.1	8.4	8.5	8.2	8.4
26	8.9	8.5	8.7	8.7	7.7	8.0	8.6	8.1	8.4	8.3	8.0	8.2
27	8.8	8.6	8.6	8.8	7.7	8.2	8.6	8.1	8.4	8.2	7.9	8.0
28	8.6	8.4	8.6	8.7	7.7	8.2	8.6	8.1	8.4	8.1	7.8	7.9
29	8.7	8.3	8.5	8.7	7.9	8.3	8.6	8.2	8.4	8.0	7.8	7.9
30	8.8	8.3	8.6	8.6	8.0	8.3	8.7	8.2	8.4	8.2	7.8	8.0
31	---	---	---	8.6	7.9	8.3	8.6	8.2	8.4	---	---	---

09251000 YAMPA RIVER NEAR MAYBELL, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.7	12.9	14.6	6.9	4.0	5.2	.1	.0	.0	.1	.0	.0
2	16.3	12.8	14.4	7.1	3.5	5.0	.1	.0	.0	.1	.0	.0
3	15.7	12.9	14.2	5.6	2.2	3.5	.1	.0	.0	.1	.0	.0
4	15.4	12.2	13.5	5.6	1.7	3.2	.1	.0	.0	.1	.0	.0
5	15.6	10.8	12.8	3.8	2.3	3.1	.1	.0	.0	.1	.0	.0
6	14.9	10.0	12.0	4.1	1.3	2.4	.2	.0	.0	.1	.0	.0
7	14.1	9.4	11.2	2.0	.3	1.0	.1	.0	.0	.1	.0	.0
8	13.4	8.1	10.3	2.1	.0	.7	.1	.0	.0	.1	.0	.0
9	13.7	8.5	10.8	3.0	.5	1.6	.2	.0	.0	.1	.0	.0
10	13.0	9.4	10.8	2.2	.0	1.1	.1	.0	.0	.0	.0	.0
11	11.1	9.2	10.1	1.2	.0	.2	.1	.0	.0	.0	.0	.0
12	12.1	8.6	9.9	.5	.0	.1	.1	.0	.0	.0	.0	.0
13	11.4	8.0	9.3	.5	.0	.1	.1	.0	.0	.0	.0	.0
14	10.5	7.9	9.0	.5	.0	.1	.2	.0	.0	.0	.0	.0
15	11.3	6.5	8.6	.6	.0	.1	.1	.0	.0	.0	.0	.0
16	11.9	7.0	8.9	.4	.0	.1	.0	.0	.0	.0	.0	.0
17	11.9	7.2	9.1	.1	.0	.0	.1	.0	.0	.0	.0	.0
18	12.1	7.4	9.3	.1	.0	.0	.1	.0	.0	.0	.0	.0
19	12.1	7.6	9.4	.2	.0	.0	.1	.0	.0	.0	.0	.0
20	12.4	7.9	9.7	.2	.0	.0	.1	.0	.0	.0	.0	.0
21	11.9	8.0	9.5	.2	.0	.0	.0	.0	.0	.0	.0	.0
22	11.4	8.2	9.3	.2	.0	.0	.1	.0	.0	.0	.0	.0
23	10.0	7.2	8.4	.1	.0	.0	.1	.0	.0	.0	.0	.0
24	11.1	8.1	9.1	.2	.0	.0	.0	.0	.0	.0	.0	.0
25	10.0	7.9	8.8	.2	.0	.0	.1	.0	.0	.0	.0	.0
26	10.4	6.6	8.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
27	10.2	7.2	8.5	.2	.0	.0	.0	.0	.0	.0	.0	.0
28	10.1	8.1	8.7	.2	.0	.0	.1	.0	.0	.0	.0	.0
29	10.0	7.7	8.6	.2	.0	.0	.1	.0	.0	.0	.0	.0
30	9.6	6.8	8.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
31	7.0	5.1	6.5	---	---	---	.1	.0	.0	.0	.0	.0
MONTH	16.7	5.1	10.1	7.1	.0	.9	.2	.0	.0	.1	.0	.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	.0	.0	.0	9.4	6.1	7.9	11.4	9.1	10.2
2	.0	.0	.0	.0	.0	.0	10.3	7.9	9.2	10.3	6.6	8.7
3	.0	.0	.0	.0	.0	.0	10.6	8.1	9.3	6.6	5.1	5.6
4	.0	.0	.0	.0	.0	.0	9.7	8.6	9.2	8.2	5.0	6.6
5	.0	.0	.0	.0	.0	.0	9.4	7.7	8.5	10.3	7.8	9.0
6	.0	.0	.0	.1	.0	.0	8.6	7.4	8.0	11.6	8.7	10.1
7	.0	.0	.0	.1	.0	.0	8.5	6.8	7.6	12.5	9.5	11.0
8	.0	.0	.0	.1	.0	.0	7.7	5.7	6.7	13.9	10.4	12.2
9	.0	.0	.0	.1	.0	.0	8.4	4.9	6.5	13.9	11.5	12.8
10	.0	.0	.0	.1	.0	.0	8.6	6.8	7.7	13.7	11.8	12.7
11	.0	.0	.0	.1	.0	.0	8.5	6.1	7.1	13.3	11.0	12.2
12	.0	.0	.0	.1	.0	.0	7.5	5.9	6.6	12.9	11.0	12.0
13	.0	.0	.0	.1	.0	.0	8.0	4.6	6.4	13.0	11.6	12.3
14	.0	.0	.0	.1	.0	.0	8.8	6.5	7.6	12.9	11.5	12.3
15	.0	.0	.0	.2	.0	.0	10.6	6.7	8.7	13.2	11.5	12.3
16	.0	.0	.0	.0	.0	.0	12.4	8.0	10.2	12.4	11.2	11.7
17	.0	.0	.0	.2	.0	.0	14.0	9.6	11.8	11.5	10.5	10.9
18	.0	.0	.0	.2	.0	.1	14.5	11.1	12.9	10.6	9.2	9.8
19	.0	.0	.0	.4	.0	.1	13.3	11.4	12.5	12.1	9.4	10.6
20	.0	.0	.0	.5	.0	.2	12.2	10.0	10.9	12.1	10.5	11.3
21	.0	.0	.0	2.4	.0	.7	10.0	8.2	9.1	11.1	9.4	10.3
22	.0	.0	.0	3.2	.0	1.0	8.2	6.6	7.2	11.5	9.2	10.4
23	.0	.0	.0	2.6	.0	.7	9.3	6.0	7.6	13.2	10.5	11.8
24	.0	.0	.0	2.0	.0	.8	11.7	7.6	9.6	14.4	11.9	13.2
25	.0	.0	.0	7.1	1.1	4.3	13.8	9.7	11.7	14.3	12.6	13.5
26	.0	.0	.0	8.1	6.3	7.2	15.2	11.2	13.1	13.8	12.5	13.3
27	.0	.0	.0	7.7	6.1	6.8	15.0	12.5	13.8	14.2	12.7	13.5
28	.0	.0	.0	6.3	5.1	5.6	14.1	12.4	13.2	14.0	12.5	13.1
29	---	---	---	5.7	4.4	5.0	12.4	10.2	11.3	12.8	11.1	12.1
30	---	---	---	6.3	4.0	5.2	10.5	8.9	9.7	14.0	11.3	12.7
31	---	---	---	7.8	4.0	6.0	---	---	---	14.8	12.5	13.7
MONTH	.0	.0	.0	8.1	.0	1.4	15.2	4.6	9.4	14.8	5.0	11.4

09251000 YAMPA RIVER NEAR MAYBELL, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.5	13.4	14.5	25.5	22.4	23.9	26.1	18.8	22.2	24.3	16.0	19.8
2	15.0	13.9	14.6	25.2	20.7	23.1	26.4	19.8	22.5	25.2	16.2	20.4
3	14.7	13.6	14.1	26.4	21.4	23.9	26.8	20.1	22.7	25.0	16.3	20.4
4	13.6	11.9	12.6	26.8	22.4	24.4	27.1	21.0	23.4	23.7	16.0	19.7
5	13.3	11.3	12.4	26.5	22.4	24.4	27.7	20.1	23.7	22.6	15.9	19.0
6	15.0	11.5	13.2	27.4	22.6	25.0	29.1	21.8	24.1	20.4	14.4	17.7
7	17.5	13.3	15.4	27.0	23.3	25.1	25.7	21.1	23.1	20.1	12.2	15.5
8	18.4	15.2	16.9	28.1	23.2	25.0	25.8	20.2	22.2	16.6	11.1	13.8
9	18.5	15.8	17.2	27.7	22.4	24.7	28.2	18.9	22.9	18.8	9.7	13.9
10	18.6	15.6	17.1	26.2	22.9	24.3	26.8	19.4	21.7	19.7	10.8	14.9
11	18.6	15.3	17.0	26.2	21.7	23.8	25.5	18.8	21.8	19.4	13.2	15.9
12	17.4	15.7	16.5	25.6	21.4	23.3	25.3	20.4	22.6	20.1	14.5	17.1
13	16.6	14.0	15.2	25.0	21.5	22.8	23.3	19.9	21.3	19.1	15.8	17.1
14	14.8	12.7	13.8	23.1	20.2	21.6	24.9	19.4	21.4	20.9	15.0	17.6
15	16.1	12.6	14.2	23.2	20.0	21.4	24.8	19.3	21.2	21.9	15.5	18.2
16	18.0	13.4	15.7	22.8	18.2	20.6	24.2	18.4	20.9	21.6	14.3	17.3
17	19.6	15.3	17.5	22.4	18.1	20.4	24.6	18.8	21.4	18.6	14.8	16.2
18	20.2	16.3	18.2	22.5	18.1	20.5	23.9	18.8	20.9	19.7	14.1	16.3
19	20.9	16.6	18.8	23.3	18.5	21.0	23.5	17.8	20.1	19.6	14.0	16.4
20	21.6	17.3	19.5	24.0	19.1	21.4	21.3	18.0	19.1	19.6	14.4	16.8
21	22.6	17.9	20.3	25.3	18.7	21.7	24.7	17.1	19.9	19.7	14.6	16.8
22	22.9	18.8	21.0	25.1	18.6	21.6	24.1	16.7	19.8	20.4	15.0	17.2
23	22.9	19.4	21.3	24.8	18.5	21.3	24.9	16.6	20.3	20.0	14.2	16.7
24	21.6	19.6	20.8	24.5	19.0	21.3	22.9	16.6	19.8	20.0	13.9	16.5
25	22.0	18.8	20.5	25.8	18.3	21.6	25.7	16.4	20.8	20.1	13.6	16.4
26	21.9	18.1	20.0	25.2	19.4	21.2	25.8	16.2	20.8	19.7	13.4	16.2
27	23.0	18.7	20.9	27.0	18.1	22.0	25.8	16.4	20.8	20.7	12.9	16.5
28	24.3	19.6	22.0	26.2	17.8	21.7	25.0	16.5	20.1	20.8	12.8	16.5
29	25.6	20.8	23.3	25.1	18.5	21.5	24.9	16.7	20.2	20.3	13.5	16.6
30	26.4	22.0	24.4	24.8	18.5	21.4	24.4	16.0	19.8	20.6	12.8	16.5
31	---	---	---	24.3	20.0	21.8	23.9	16.8	19.8	---	---	---
MONTH	26.4	11.3	17.6	28.1	17.8	22.5	29.1	16.0	21.3	25.2	9.7	17.0
YEAR	29.1	0.0	9.4									

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 County 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.--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 65,800 acres upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	298	236	e275	e270	e275	e405	1320	4340	4790	699	e155	90
2	294	239	e255	e260	e290	e400	1310	4760	4630	629	157	89
3	301	262	e260	e255	e305	e415	1660	5180	4680	559	178	84
4	e305	279	e255	e275	e310	e410	2170	4300	4520	529	197	86
5	e290	281	e265	e270	e325	e430	2390	3500	3990	477	167	95
6	e230	239	e260	e255	e320	e435	2240	3290	3310	427	180	89
7	e220	244	e265	e260	e330	e440	2240	3180	2900	407	175	75
8	e205	309	e255	e260	e325	e450	2350	3100	2950	411	e160	72
9	e215	294	e260	e255	e335	460	1940	3290	3140	387	e155	67
10	e230	268	e255	e250	e340	424	1650	4110	3040	368	e170	86
11	e240	267	e265	e250	e345	417	1430	4830	2920	399	e165	102
12	220	226	e270	e245	e355	486	1380	5740	2880	395	e235	148
13	204	214	e260	e255	e350	525	1300	5950	2740	442	e290	143
14	225	e250	e275	e260	e360	488	1240	6420	2430	460	e360	140
15	230	e245	e270	e245	e365	518	1220	6640	2160	422	e330	145
16	223	e240	e275	e250	300	526	1160	7050	1820	e430	198	137
17	215	e255	e265	e260	244	454	1090	7390	1560	e400	201	122
18	226	e260	e240	e265	e375	410	1280	7670	1440	e360	214	132
19	226	e275	e250	e255	e385	421	1770	7010	1430	e330	192	150
20	220	e270	e255	e260	e390	467	2380	7190	1390	290	159	166
21	234	e280	e240	e275	e395	502	2950	7240	1350	259	151	207
22	214	e270	e235	e280	e400	582	2660	6070	1240	229	149	213
23	213	e275	e260	e270	e405	679	2260	4960	1130	215	129	182
24	233	e270	e270	e260	e410	1300	2010	4690	1060	213	119	173
25	227	e280	e280	e255	e415	1720	1690	4990	1000	205	128	162
26	219	e265	e300	e265	e410	1710	1600	5300	918	179	126	148
27	230	e275	e305	e285	e415	2050	2120	5420	958	e195	127	141
28	240	e260	e310	e270	e425	2360	3160	5750	917	e180	118	133
29	228	e265	e300	e265	---	1900	4180	6000	948	e175	105	114
30	234	e270	e305	e270	---	1510	4530	5320	779	e170	104	108
31	228	---	e310	e265	---	1370	---	5150	---	e160	98	---
TOTAL	7317	7863	8345	8115	9899	24664	60680	165830	69020	11001	5392	3799
MEAN	236	262	269	262	354	796	2023	5349	2301	355	174	127
MAX	305	309	310	285	425	2360	4530	7670	4790	699	360	213
MIN	204	214	235	245	244	400	1090	3100	779	160	98	67
AC-FT	14510	15600	16550	16100	19630	48920	120400	328900	136900	21820	10700	7540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

MEAN	508	463	357	399	424	1115	2974	6917	5583	1232	420	417
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	236	262	269	262	354	667	2023	5349	2301	355	96.7	127
(WY)	2001	2001	2001	2001	2001	2000	2001	2001	2001	2001	2000	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1996 - 2001	
ANNUAL TOTAL	499852		381925			
ANNUAL MEAN	1366		1046		1719	
HIGHEST ANNUAL MEAN					2458	1997
LOWEST ANNUAL MEAN					1046	2001
HIGHEST DAILY MEAN	9900	May 31	7670	May 18	15500	Jun 5 1997
LOWEST DAILY MEAN	30	Aug 16	67	Sep 9	30	Aug 16 2000
ANNUAL SEVEN-DAY MINIMUM	53	Aug 10	81	Sep 3	53	Aug 10 2000
MAXIMUM PEAK FLOW			7920	May 18	16400	Jun 5 1997
MAXIMUM PEAK STAGE			8.16	May 18	10.74	Jun 5 1997
ANNUAL RUNOFF (AC-FT)	991500		757500		1245000	
10 PERCENT EXCEEDS	4980		3290		5990	
50 PERCENT EXCEEDS	369		290		500	
90 PERCENT EXCEEDS	118		155		223	

e Estimated.

09251100 YAMPA RIVER ABOVE LITTLE SNAKE RIVER NEAR MAYBELL, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1998 (revised) to current year.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
04...	1502	309	516	15.0	26...	1300	911	267	21.8
DEC					AUG				
18...	0835	223	568	0	01...	1343	155	579	25.8
APR					SEP				
26...	1119	1530	429	13.7	07...	1201	78	596	17.9
MAY									
31...	1516	5320	249	14.7					

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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. 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)
MAR										
16...	0837	558	0	14	21	--	--	--	--	78
26...	0925	1720	5.0	304	1410	--	--	--	--	82
APR										
16...	0945	1160	9.2	81	254	--	--	--	--	88
JUN										
12...	1050	3070	17.1	96	796	49	62	85	100	--
14...	1024	2390	13.9	84	542	58	77	97	100	--
19...	1030	1410	17.3	73	278	45	46	78	100	--
20...	1410	1330	20.6	29	104	--	--	--	--	78

BEDLOAD SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	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)	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)
MAR													
26...	0926	1720	5.0	825	8.8	0	1	2	70	89	96	99	100
APR													
16...	0946	1160	9.2	623	6.9	--	0	0	70	81	91	97	100
JUN													
12...	1051	3070	17.1	153	70	0	0	1	47	74	93	98	100
14...	1025	2390	13.9	155	43	--	0	0	31	63	93	98	100
19...	1031	1410	17.3	244	5.4	0	0	1	46	87	98	100	--
20...	1411	1330	20.6	235	3.4	0	0	1	43	83	97	99	100

DATE	SED. BEDLOAD SIEVE DIAM. % FINER THAN 16.0 MM (80234)
MAR	
26...	--
APR	
16...	--
JUN	
12...	--
14...	100
19...	--
20...	--

09251100 YAMPA RIVER ABOVE LITTLE SNAKE RIVER NEAR MAYBELL, CO--Continued

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
JUN										
12...	1052	3070	0	3	24	64	94	100	100	100

09253000 LITTLE SNAKE RIVER NEAR SLATER, CO

LOCATION.--Lat 40°59'58", long 107°08'34", in $SW^1/_4NW^1/_4$ sec.15, T.12 N., R.87 W., Routt County, Hydrologic Unit 14050003, on left bank just downstream from highway bridge at Focus Ranch, 0.2 mi downstream from Spring Creek, and 12 mi east of Slater.

DRAINAGE AREA.--285 mi^2.

PERIOD OF RECORD.--October 1942 to September 1947, October 1950 to September 1999, April to September 2001.

REVISED RECORDS.--WSP 1733: 1960.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,831.00 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Diversions for irrigation of about 2,000 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.

AVERAGE DISCHARGE.--55 years (1944-1999) 232 ft^3/s; 167,900 acre-ft/year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4780 ft^3/s, May 23, 1984, gage height 8.78 ft, maximum gage height, 9.95 ft, Apr. 25, 1974; minimum daily determined, 4.2 ft^3/s, Sept. 9, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period April to September, 1430 ft^3/s, May 17, gage height, 6.19 ft; minimum daily, 12 ft^3/s, Aug. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	758	570	81	37	26
2	---	---	---	---	---	---	---	901	553	75	32	21
3	---	---	---	---	---	---	---	566	512	72	29	16
4	---	---	---	---	---	---	142	463	463	66	28	14
5	---	---	---	---	---	---	164	462	399	61	26	14
6	---	---	---	---	---	---	210	477	348	60	25	16
7	---	---	---	---	---	---	175	525	334	57	26	16
8	---	---	---	---	---	---	158	571	312	61	33	19
9	---	---	---	---	---	---	130	745	273	57	41	22
10	---	---	---	---	---	---	122	827	252	55	44	21
11	---	---	---	---	---	---	115	1010	233	102	35	19
12	---	---	---	---	---	---	101	964	214	69	28	17
13	---	---	---	---	---	---	107	977	221	66	25	16
14	---	---	---	---	---	---	107	1040	209	78	26	18
15	---	---	---	---	---	---	93	1060	191	74	30	18
16	---	---	---	---	---	---	120	1170	166	62	33	17
17	---	---	---	---	---	---	163	1230	148	55	28	18
18	---	---	---	---	---	---	240	997	135	48	24	24
19	---	---	---	---	---	---	346	994	127	47	21	25
20	---	---	---	---	---	---	465	1060	126	43	20	20
21	---	---	---	---	---	---	353	816	139	41	22	17
22	---	---	---	---	---	---	279	711	130	38	25	16
23	---	---	---	---	---	---	236	699	120	37	25	15
24	---	---	---	---	---	---	204	724	115	36	22	15
25	---	---	---	---	---	---	266	737	110	35	19	19
26	---	---	---	---	---	---	434	744	108	36	17	14
27	---	---	---	---	---	---	575	766	116	47	15	14
28	---	---	---	---	---	---	682	729	103	38	14	14
29	---	---	---	---	---	---	756	697	101	33	13	14
30	---	---	---	---	---	---	658	659	90	46	12	14
31	---	---	---	---	---	---	---	604	---	32	14	---
TOTAL	---	---	---	---	---	---	----	24683	6918	1708	789	529
MEAN	---	---	---	---	---	---	----	796	231	55.1	25.5	17.6
MAX	---	---	---	---	---	---	----	1230	570	102	44	26
MIN	---	---	---	---	---	---	----	462	90	32	12	14
AC-FT	---	---	---	---	---	---	----	48960	13720	3390	1560	1050

09255000 SLATER FORK NEAR SLATER, CO

LOCATION.--Lat 40°58'57", long 107°22'56", in SW$^{1}/_{4}$NE$^{1}/_{4}$ 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 good 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	21	22	e22	e23	22	35	504	190	11	4.4	6.7
2	11	22	21	e23	e23	e22	46	476	185	10	4.5	7.4
3	9.1	15	20	e23	e23	e21	72	261	183	8.3	3.5	7.2
4	8.8	19	19	e23	e24	e21	94	222	146	5.7	3.6	7.0
5	8.7	25	18	e22	e24	e21	104	288	115	5.7	4.7	6.2
6	9.0	21	19	e22	e24	e21	124	277	96	3.2	4.5	5.1
7	9.4	14	19	e23	e24	e20	85	271	93	3.8	4.5	6.0
8	9.9	19	19	e23	e23	e20	69	335	94	6.8	6.4	7.8
9	12	24	20	e24	e23	e20	61	404	95	8.3	7.2	10
10	15	21	19	e24	e23	e20	61	436	94	7.5	15	9.0
11	16	18	19	e23	e24	e21	55	477	84	14	16	7.9
12	18	15	18	e22	e24	e22	48	434	70	14	11	6.7
13	18	19	19	e23	e24	23	50	453	68	13	8.2	5.3
14	18	19	20	e23	e24	17	49	499	59	13	8.4	6.0
15	18	22	19	e23	e23	23	42	520	51	24	11	7.0
16	18	22	18	e22	e23	21	63	535	43	19	11	6.5
17	18	19	e18	e22	e23	24	97	470	37	13	9.8	7.4
18	17	19	e19	e22	e22	22	149	377	35	9.2	8.1	9.0
19	17	20	e19	e23	e22	21	197	655	34	7.6	7.4	10
20	16	20	e20	e23	e21	24	221	447	29	6.6	6.6	9.1
21	16	20	e21	e23	e21	30	148	329	26	4.8	6.7	8.4
22	16	20	e22	e24	e20	37	129	250	24	4.6	7.2	7.8
23	16	21	e23	e24	e20	45	97	262	24	4.4	7.9	7.6
24	17	20	e22	e24	e19	47	90	283	21	3.8	7.1	7.8
25	19	21	e22	e23	e18	53	137	277	17	3.9	6.3	5.4
26	19	21	e22	e23	e17	64	218	283	17	4.7	4.9	4.4
27	19	20	e22	e23	e16	54	313	274	19	8.4	4.5	5.4
28	18	21	e23	e23	12	43	404	253	18	6.8	4.1	5.8
29	19	20	e23	e23	---	39	485	259	15	5.0	3.3	4.4
30	19	21	e22	e22	---	34	433	229	13	3.4	2.6	4.8
31	20	---	e22	e22	---	31	---	204	---	3.2	2.5	---
TOTAL	477.9	599	629	709	607	903	4176	11244	1995	256.7	212.9	209.1
MEAN	15.4	20.0	20.3	22.9	21.7	29.1	139	363	66.5	8.28	6.87	6.97
MAX	20	25	23	24	24	64	485	655	190	24	16	10
MIN	8.7	14	18	22	12	17	35	204	13	3.2	2.5	4.4
AC-FT	948	1190	1250	1410	1200	1790	8280	22300	3960	509	422	415

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2001, BY WATER YEAR (WY)

MEAN	20.1	19.4	17.6	17.4	18.8	29.8	120	384	252	37.8	9.95	11.6
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1932 - 2001	
ANNUAL TOTAL	26582.2		22018.6			
ANNUAL MEAN	72.6		60.3		78.4	
HIGHEST ANNUAL MEAN					157	1984
LOWEST ANNUAL MEAN					20.5	1934
HIGHEST DAILY MEAN	559	May 5	655	May 19	1500	May 16 1984
LOWEST DAILY MEAN	1.3	Aug 15	2.5	Aug 31	a.00	Aug 2 1934
ANNUAL SEVEN-DAY MINIMUM	2.0	Aug 2	3.9	Jul 30	.00	Aug 2 1934
MAXIMUM PEAK FLOW			869	May 19	b2250	May 16 1984
MAXIMUM PEAK STAGE			8.03	May 19	c11.78	May 16 1984
ANNUAL RUNOFF (AC-FT)	52730		43670		56780	
10 PERCENT EXCEEDS	279		210		258	
50 PERCENT EXCEEDS	22		21		20	
90 PERCENT EXCEEDS	4.4		6.1		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$^1/_4$NE$^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	177	93	e35	e70	e70	e115	459	2250	1330	e45	e10	61
2	142	98	e45	e75	e75	e165	414	2240	1260	e25	e5.0	e30
3	110	97	e50	e70	e65	e205	415	2700	1220	e20	e4.0	e25
4	91	99	e45	e60	e70	e290	859	1990	1210	e25	e5.0	e30
5	81	92	e55	e65	e60	e350	979	1520	1170	e20	e7.0	e15
6	65	85	e65	e70	e55	e405	1060	1870	1110	e30	e3.0	e25
7	57	69	e70	e65	e70	439	1070	1810	1010	e15	6.4	e15
8	53	30	e65	e60	e65	360	1560	1500	895	e5.0	7.3	19
9	52	76	e80	e70	e75	371	984	1500	848	e5.0	18	16
10	49	84	e85	e55	e55	565	804	1720	823	45	19	9.1
11	55	e70	e100	e60	e65	728	735	1820	783	37	32	7.9
12	60	e60	e110	e55	e75	568	681	2190	751	31	e4.0	5.8
13	54	e50	e105	e50	e70	320	580	2130	577	30	e5.0	4.8
14	55	e45	e100	e60	e80	315	502	2180	369	49	e7.0	5.4
15	65	e40	e120	e75	e70	350	468	2200	354	70	e5.0	4.7
16	73	e40	e100	e70	e75	449	468	2320	348	45	26	1.8
17	74	e35	e95	e65	e65	361	429	2410	308	24	18	.95
18	84	e40	e85	e75	e70	304	449	2650	266	17	11	.63
19	93	e60	e60	e60	e55	319	616	2280	245	24	26	e.80
20	89	e40	e50	e70	e60	416	1110	2200	190	20	20	1.0
21	84	e35	e45	e65	e75	778	1650	2210	145	25	24	5.2
22	82	e40	e50	e75	e70	1270	1500	1810	111	17	19	9.5
23	84	e40	e40	e70	e60	1040	1110	1510	98	e25	257	5.0
24	82	e35	e35	e60	e60	1020	956	1290	91	e20	278	e4.0
25	79	e40	e40	e75	e75	905	816	1230	87	e15	e70	3.4
26	82	e50	e45	e70	e90	739	712	1290	103	e15	e90	7.9
27	78	e45	e40	e65	e85	878	1090	1360	109	e5.0	e55	2.5
28	77	e35	e35	e70	e95	942	1680	1470	e120	e5.0	52	1.6
29	84	e40	e45	e60	---	784	2010	1550	e95	e4.0	56	1.3
30	90	e35	e35	e55	---	606	2250	1530	e70	e6.0	52	e1.0
31	81	---	e40	e70	---	519	---	1410	---	e5.0	65	---
TOTAL	2482	1698	1970	2035	1955	16876	28416	58140	16096	724.0	1256.7	320.28
MEAN	80.1	56.6	63.5	65.6	69.8	544	947	1875	537	23.4	40.5	10.7
MAX	177	99	120	75	95	1270	2250	2700	1330	70	278	61
MIN	49	30	35	50	55	115	414	1230	70	4.0	3.0	.63
AC-FT	4920	3370	3910	4040	3880	33470	56360	115300	31930	1440	2490	635

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2001, BY WATER YEAR (WY)

MEAN	116	122	99.3	92.4	125	383	1072	2585	1887	303	70.0	56.0
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1922 - 2001	
ANNUAL TOTAL	143619.56		131968.98			
ANNUAL MEAN	392		362		577	
HIGHEST ANNUAL MEAN					1252	1984
LOWEST ANNUAL MEAN					110	1934
HIGHEST DAILY MEAN	2970	May 31	2700	May 3	13400	May 18 1984
LOWEST DAILY MEAN	.34	Sep 19	.63	Sep 18	a.00	Jul 30 1924
ANNUAL SEVEN-DAY MINIMUM	.37	Sep 14	2.2	Sep 15	.00	Jul 30 1924
MAXIMUM PEAK FLOW			3220	May 3	16700	May 18 1984
MAXIMUM PEAK STAGE			4.80	May 3	b9.85	May 18 1984
ANNUAL RUNOFF (AC-FT)	284900		261800		418000	
10 PERCENT EXCEEDS	1460		1290		1960	
50 PERCENT EXCEEDS	130		70		130	
90 PERCENT EXCEEDS	3.1		7.9		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 2000 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1975 to September 1985.
WATER TEMPERATURE: 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.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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...	1018	77	767	6.6	15...	0906	2040	150	16.3
NOV					JUN				
09...	0940	71	642	.5	26...	1024	103	644	16.0
JAN					AUG				
23...	1127	66	762	0	06...	1043	2.9	952	26.1
MAR					27...	1112	41	1210	16.8
14...	1437	399	566	.4					
APR									
26...	1356	696	397	18.2					

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
MAR											
16...	1220	533	.2	1720	2480	61	--	--	--	--	--
26...	1105	709	7.6	22500	43100	99	--	--	--	--	--
APR											
16...	1320	485	11.8	651	852	49	--	--	--	--	--
MAY											
15...	1030	2110	16.3	1330	7580	43	--	--	--	--	--
24...	1715	1280	20.1	500	1730	--	34	44	68	97	100
JUN											
12...	1730	766	18.2	252	521	--	38	54	80	100	100
14...	0945	346	10.0	149	139	--	30	48	78	99	99
JUL											
09...	1538	5.0	32.5	9	.12	--	--	--	--	--	--

BEDLOAD SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	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)	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)
MAR													
16...	1221	533	.2	612	604	0	0	4	37	80	93	97	99
APR													
16...	1321	485	11.8	610	510	0	0	5	45	83	95	98	99
MAY													
24...	1716	1280	20.1	183	988	0	0	4	48	88	96	98	99
JUN													
12...	1731	766	18.2	332	498	0	0	6	46	81	96	99	99
14...	0946	346	10.0	361	302	0	0	4	44	82	96	99	100

09260000 LITTLE SNAKE RIVER NEAR LILY, CO--Continued

BEDLOAD SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	SED. BEDLOAD SIEVE DIAM. % FINER THAN 16.0 MM (80234)
MAR	
16...	100
APR	
16...	100
MAY	
24...	100
JUN	
12...	100
14...	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
JUN											
12...	1732	766	0	0	10	39	72	90	95	98	100

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	480	400	e310	e340	e345	e525	1860	6180	5910	857	e165	113
2	449	402	e295	e335	e350	e600	1720	6480	5640	e755	e160	117
3	429	420	e310	e325	e375	e650	2030	7240	5620	e700	e185	109
4	391	423	e305	e330	e370	e700	2720	6230	5440	e655	e205	114
5	346	427	e325	e340	e395	e800	3080	4900	4980	e601	e175	110
6	285	395	e330	e325	e380	e900	3130	4780	4290	e545	e170	112
7	265	377	e340	e315	e400	e950	3070	4700	3820	495	163	105
8	246	352	e335	e310	e385	1000	3540	4300	3700	486	146	105
9	254	350	e350	e300	e405	998	2960	4380	3740	454	145	101
10	267	350	e340	e305	e400	1350	2550	5220	3550	421	154	e120
11	274	330	e365	e300	e415	1500	2300	6050	3400	465	158	e160
12	295	356	e380	e310	e410	1690	2210	7120	3350	467	231	e170
13	254	e300	e370	e325	e405	1570	1990	7410	3230	496	298	e140
14	273	e295	e400	e330	e425	1140	1830	7810	2890	517	367	e130
15	279	e285	e430	e315	e435	1080	1780	8100	2630	442	335	129
16	293	e280	e390	e320	e410	1170	1700	8530	2330	385	334	133
17	288	e290	e355	e315	e400	1120	1560	8990	2060	350	307	132
18	308	e300	e320	e335	e425	1000	1650	9490	1830	320	334	129
19	324	e315	e300	e325	e435	964	2180	8770	1740	305	317	146
20	318	e305	e305	e330	e450	1130	2980	8560	1660	288	267	167
21	331	e315	e320	e345	e460	1400	3950	8930	1590	244	260	208
22	349	e310	e310	e350	e470	2120	3980	7680	1450	208	244	222
23	323	e315	e330	e340	e465	1900	3330	6460	1330	188	244	196
24	329	e305	e340	e335	e480	2360	2990	5810	1260	195	513	175
25	330	e320	e350	e325	e485	2670	2630	5930	e1220	192	314	160
26	328	e315	e360	e335	e470	2490	2420	6190	e1200	195	233	144
27	338	e310	e375	e355	e485	2770	2850	6360	e1190	202	184	141
28	365	e295	e370	e340	e495	3220	4070	6740	1150	184	176	131
29	362	e300	e360	e335	---	2800	5500	7130	1210	e185	158	120
30	380	e305	e350	e340	---	2350	6270	6650	1010	e180	151	114
31	381	---	e345	e335	---	2030	---	6360	---	e175	140	---
TOTAL	10134	10042	10665	10165	11825	46947	84830	209480	84420	12152	7233	4153
MEAN	327	335	344	328	422	1514	2828	6757	2814	392	233	138
MAX	480	427	430	355	495	3220	6270	9490	5910	857	513	222
MIN	246	280	295	300	345	525	1560	4300	1010	175	140	101
AC-FT	20100	19920	21150	20160	23450	93120	168300	415500	167400	24100	14350	8240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2001, BY WATER YEAR (WY)

MEAN	597	619	453	442	580	1516	3824	8588	7115	1683	525	394
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1983 - 2001	
ANNUAL TOTAL	614171		502046			
ANNUAL MEAN	1678		1375		2198	
HIGHEST ANNUAL MEAN					4286	1984
LOWEST ANNUAL MEAN					1062	1992
HIGHEST DAILY MEAN	10900	May 31	9490	May 18	32300	May 18 1984
LOWEST DAILY MEAN	28	Aug 16	101	Sep 9	28	Aug 16 2000
ANNUAL SEVEN-DAY MINIMUM	41	Aug 15	108	Sep 3	36	Sep 5 1989
MAXIMUM PEAK FLOW			9760	May 18	33200	May 18 1984
MAXIMUM PEAK STAGE			8.79	May 18	19.13	May 18 1984
ANNUAL RUNOFF (AC-FT)	1218000		995800		1593000	
10 PERCENT EXCEEDS	6420		4510		6750	
50 PERCENT EXCEEDS	472		370		679	
90 PERCENT EXCEEDS	128		170		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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (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)
DEC													
15...	1200	456	594	8.5	.00	11.6	E2	E6	210	49.4	19.9	47.5	1
MAR													
19...	1115	886	691	8.5	.5	12.4	E15	23	180	40.0	20.0	65.3	2
MAY													
23...	1400	6710	158	8.1	14.3	8.6	41	E19	63	17.2	4.76	7.3	.4
AUG													
13...	1105	308	656	8.5	23.2	7.2	55	80	200	45.7	21.2	52.6	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, 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)
DEC													
15...	2.20	174	112	16.6	.2	9.5	362	.49	446	<.006	.065	<.041	--
MAR													
19...	2.24	148	157	24.4	.2	8.3	408	.55	976	.004	.299	.005	.21
MAY													
23...	.79	53	21.4	1.9	E.1	9.4	95	.13	1720	<.006	.069	<.040	--
AUG													
13...	3.79	166	112	28.7	.3	5.1	369	.50	307	<.006	E.027	E.027	--

DATE	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)	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)
DEC													
15...	.20	.27	.012	E.005	<.018	<.14	1.4	210	<1.00	12	4.9	<.23	<2.4
MAR													
19...	.62	.21	.464	.014	.009	<.14	E1.1	8620	<1.00	242	4.4	<.01	E1.6
MAY													
23...	.46	.22	.148	.018	<.020	<.10	1.6	2330	<1.00	91	3.3	.01	<2.0
AUG													
13...	.44	.28	.044	E.005	<.020	<.10	E.7	470	<1.00	49	E2.9	.04	<2.0

DATE	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
DEC		
15...	<.2	<20
MAR		
19...	<.2	<20
MAY		
23...	<.2	<20
AUG		
13...	<.2	<20

E Estimated laboratory analysis value.

09260050 YAMPA RIVER AT DEERLODGE PARK, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					AUG				
04...	1354	398	459	15.8	06...	1224	162	744	27.4
APR					SEP				
26...	0930	2440	418	12.8	07...	1032	105	727	16.5
JUL									
18...	0930	343	474	19.8					

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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. 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)
DEC										
15...	1200	456	.00	7	8.6	--	--	--	--	--
JUN										
12...	1430	3470	18.2	64	600	100	--	--	--	--
13...	1610	3300	16.9	212	1890	29	43	76	100	100
19...	1350	1700	20.0	359	1650	10	11	29	98	100
20...	1045	1650	18.8	62	276	55	64	96	100	--

BEDLOAD SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	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)	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)
JUN													
12...	1431	3470	18.2	192	761	.0	.0	9	80	97	100	100	100
13...	1611	3300	16.9	191	1300	.0	.0	8	77	97	100	100	100
19...	1351	1700	20.0	288	452	--	.0	5	73	97	100	100	100
20...	1046	1650	18.8	266	326	--	.0	4	75	98	100	100	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
JUN										
12...	1432	3470	.0	.0	13	79	95	98	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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	177	163	152	e175	e185	149	166	751	779	264	182	164
2	173	166	175	e170	e170	147	177	682	790	261	180	163
3	173	160	e185	e180	e180	147	191	512	782	257	178	163
4	172	162	e180	e170	e185	146	202	448	727	250	180	163
5	170	166	e185	e175	e165	146	210	442	662	244	176	164
6	169	163	e170	e170	e170	146	221	434	620	235	180	163
7	167	150	e180	e180	e160	147	201	458	616	238	184	162
8	167	185	179	e170	161	147	192	552	612	242	184	175
9	167	175	166	e180	144	149	180	683	597	243	195	169
10	167	162	163	e170	171	149	179	784	588	237	206	169
11	166	160	155	e175	165	149	178	867	559	238	196	164
12	169	155	161	e185	167	148	173	914	524	231	184	161
13	166	144	160	e180	158	147	172	947	529	238	179	165
14	165	149	162	e170	154	147	170	964	490	242	200	172
15	164	163	163	e185	153	148	171	964	447	237	208	167
16	163	155	153	e165	154	147	195	985	413	234	188	168
17	160	147	158	e175	161	147	241	969	386	221	179	186
18	159	146	159	e185	154	147	321	932	364	218	175	180
19	158	e150	155	e190	152	147	402	920	349	213	178	171
20	157	e145	e170	e180	152	151	425	875	339	206	181	170
21	157	e160	e185	e185	152	159	342	785	329	207	180	164
22	157	e155	e210	e175	151	168	320	718	320	206	179	162
23	157	e160	e195	e165	150	172	278	757	312	200	178	162
24	163	e145	e180	e170	150	171	265	790	303	197	175	159
25	169	e180	e185	e165	149	176	302	802	302	195	172	159
26	162	e155	e170	e175	147	180	411	806	310	206	170	157
27	162	167	e165	e180	148	173	534	788	360	202	168	157
28	162	159	e170	e165	147	168	589	792	298	189	166	154
29	172	160	e175	e175	---	164	616	756	282	189	166	154
30	165	156	e170	e170	---	161	644	766	271	183	166	153
31	162	---	e175	e175	---	162	---	790	---	191	166	---
TOTAL	5117	4763	5311	5430	4455	4805	8668	23633	14260	6914	5599	4940
MEAN	165	159	171	175	159	155	289	762	475	223	181	165
MAX	177	185	210	190	185	180	644	985	790	264	208	186
MIN	157	144	152	165	144	146	166	434	271	183	166	153
AC-FT	10150	9450	10530	10770	8840	9530	17190	46880	28280	13710	11110	9800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2001, BY WATER YEAR (WY)

MEAN	201	185	170	164	157	161	279	781	843	395	246	208
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1910 - 2001	
ANNUAL TOTAL	100742		93895			
ANNUAL MEAN	275		257		316	
HIGHEST ANNUAL MEAN					523	1984
LOWEST ANNUAL MEAN					157	1977
HIGHEST DAILY MEAN	1410	May 31	985	May 16	3150	May 30 1912
LOWEST DAILY MEAN	144	Nov 13	144	Nov 13	90	Feb 21 1955
ANNUAL SEVEN-DAY MINIMUM	151	Nov 13	147	Mar 2	106	Jul 26 1977
MAXIMUM PEAK FLOW			1170	May 12	3550	May 24 1984
MAXIMUM PEAK STAGE			a5.50	May 12	b6.76	May 24 1984
ANNUAL RUNOFF (AC-FT)	199800		186200		229200	
10 PERCENT EXCEEDS	624		592		734	
50 PERCENT EXCEEDS	175		175		197	
90 PERCENT EXCEEDS	161		152		142	

e Estimated.
a Maximum gage height, 6.02 ft, Jan 22, backwater from ice.
b 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	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)
NOV													
27...	0900	163	351	8.2	.1	11.2	.2	E1	<.001	.127	.003	.50	E.06
MAR													
07...	1230	144	356	8.6	4.3	10.2	.4	E15	.001	.027	.009	.09	E.07
MAY													
21...	1615	738	207	8.0	11.1	8.8	.6	E5	.001	.048	<.002	.19	.15
JUL													
30...	1140	182	334	8.4	14.3	8.2	.4	61	.001	.026	.004	.14	E.09
SEP													
04...	0843	163	353	8.4	9.8	8.9	.2	29	<.001	.012	.006	.09	E.06

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)
NOV			
27...	.049	.013	.014
MAR			
07...	.019	.017	.013
MAY			
21...	.030	.014	.007
JUL			
30...	.024	.019	.013
SEP			
04...	.021	.014	.007

E Estimated laboratory analysis value.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
03...	1010	154	348	2.3	21...	1209	344	267	12.0
DEC					AUG				
22...	1621	238	317	.1	29...	1009	171	344	12.1
APR					SEP				
10...	1309	170	359	4.1	25...	1317	155	352	10.6

09304000 SOUTH FORK WHITE RIVER AT BUFORD, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°58'28", long 107°37'30", in NW$^{1}/_{4}$NE$^{1}/_{4}$ 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	E COLI, MTEC MF WATER (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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
NOV													
27...	1030	134	290	8.4	.2	10.9	.3	E2	--	--	--	.002	.091
MAR													
07...	1425	122	275	8.6	6.0	9.8	.3	E21	--	--	--	.001	.017
JUN													
06...	1520	818	188	8.3	10.6	9.0	--	E15	100	29.0	6.75	<.001	.025
JUL													
30...	1345	146	295	8.3	15.2	8.1	.6	26	--	--	--	.001	.011
SEP													
04...	1037	94	295	8.5	13.3	8.3	.1	E15	140	39.8	9.20	<.001	.005

DATE	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						
27...	.009	.11	<.10	.018	.010	.009
MAR						
07...	.009	.10	E.08	.015	.013	.009
JUN						
06...	.004	.18	E.10	.040	.009	<.007
JUL						
30...	.013	.14	E.09	.026	.011	.007
SEP						
04...	.010	.09	E.06	.014	.008	E.005

E Estimated laboratory analysis value.

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	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)	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)
JUN													
06...	187	<15	<2	15.9	<2.50	<13	<.10	<1	<2	E1.0	210	<1	<7.0
SEP													
04...	E15	<15	<2	15.4	<2.50	E6	<.10	<1	<2	<1.0	40	<1	E4.5

DATE	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						
06...	10	<1.5	<2	<2.0	92.4	<31
SEP						
04...	6	<1.5	<2	<2.0	255	<31

E Estimated laboratory analysis value.

09304000 SOUTH FORK WHITE RIVER AT BUFORD, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
06...	1520	818	10.6	14	31
JUL					
30...	1345	146	15.2	2	.59
SEP					
04...	1037	94	13.3	2	.46

395650107435600 WHITE RIVER ABOVE DRY CREEK NR MEEKER, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°56'50", long 107°43'56", in $SW^1/_4SW^1/_4$ 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.

DRAINAGE AREA.--Not determined.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	E COLI, MTEC MF WATER (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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
NOV													
27...	1300	319	348	8.4	1.1	11.1	.3	E1	--	--	--	.001	.100
APR													
10...	1300	334	370	8.5	5.0	10.2	.5	31	--	--	--	.001	.017
JUN													
06...	1820	1790	216	8.3	12.6	8.8	--	44	112	33.2	6.96	<.001	.022
JUL													
30...	1549	381	355	8.6	18.8	7.9	.4	52	--	--	--	<.001	.014
SEP													
04...	1210	313	364	8.4	16.7	7.9	.3	E18	174	53.0	10.1	<.001	.007

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)
NOV							
27...	.003	--	.20	E.06	.031	.010	.007
APR							
10...	.005	--	.13	E.09	.014	.021	.012
JUN							
06...	.002	--	.15	E.10	.030	.010	<.007
JUL							
30...	.011	.093	.14	.10	.018	.013	.010
SEP							
04...	.009	--	.09	E.10	.013	.010	<.007

E Estimated laboratory analysis value.

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	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)	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)
JUN													
06...	125	<15	<2	16.3	<2.50	<13	<.10	<1	<2	<1.0	150	<1	<7.0
SEP													
04...	<28	<15	<2	13.7	E1.21	E6	<.10	<1	<2	<1.0	20	<1	E4.3

DATE	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						
06...	9	<1.5	E1	<2.0	209	<31
SEP						
04...	3	2.0	<2	<2.0	504	<31

E Estimated laboratory analysis value.

395650107435600 WHITE RIVER ABOVE DRY CREEK NR MEEKER, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
06...	1820	1790	12.6	16	76
JUL					
30...	1549	381	18.8	2	2.2
SEP					
04...	1210	313	16.7	3	2.7

09304200 WHITE RIVER ABOVE COAL CREEK NEAR MEEKER, CO

LOCATION.--Lat 40°00'18", long 107°49'29", in $NW^1/_4NW^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	318	322	290	298	317	298	330	1230	1690	270	184	118
2	316	315	296	e290	329	290	342	1280	1730	274	163	113
3	318	299	314	e270	335	285	371	1050	1780	282	158	113
4	334	305	307	e295	326	280	392	903	1650	279	158	106
5	337	332	310	e300	328	295	404	868	1380	268	151	e90
6	331	323	327	e300	330	297	444	771	1180	251	153	78
7	331	284	319	e280	324	298	412	751	1150	241	158	72
8	327	325	317	e250	320	300	399	819	1140	256	171	89
9	330	328	335	e265	271	305	359	989	1040	289	169	77
10	338	336	334	e270	319	309	371	1150	1020	298	168	64
11	339	328	319	e280	326	309	373	1350	950	300	155	59
12	342	e330	316	e295	321	303	364	1490	840	290	130	51
13	328	e300	333	e290	317	302	362	1680	796	279	117	59
14	327	e315	327	e285	316	300	360	1830	699	283	148	74
15	323	e325	e310	e260	307	297	352	1920	604	286	165	85
16	321	e345	e285	e240	290	295	369	2010	535	291	119	96
17	316	e305	e290	e210	295	299	417	2010	496	249	159	126
18	316	e280	e295	e220	302	296	522	1950	460	240	151	156
19	311	e305	e280	e265	315	290	630	1870	402	254	153	156
20	311	e330	e305	e275	303	299	740	1810	332	239	157	153
21	307	e345	e310	e280	e300	311	644	1650	299	238	172	151
22	310	e360	e330	e275	e285	330	645	1360	280	234	169	158
23	316	e350	347	346	306	338	558	1370	283	228	160	159
24	324	e315	328	321	303	340	510	1500	270	237	157	149
25	331	e320	339	330	299	354	527	1660	264	295	150	135
26	317	e310	e280	323	292	367	643	1750	255	328	145	159
27	313	e325	e290	325	305	356	859	1670	330	273	136	175
28	311	338	e305	319	294	339	986	1720	264	242	128	176
29	332	323	e290	309	---	332	1070	1680	252	207	124	185
30	318	330	e285	309	---	319	1080	1690	285	177	118	182
31	313	---	e310	282	---	315	---	1710	---	190	117	---
TOTAL	10006	9648	9623	8857	8675	9648	15835	45491	22656	8068	4663	3564
MEAN	323	322	310	286	310	311	528	1467	755	260	150	119
MAX	342	360	347	346	335	367	1080	2010	1780	328	184	185
MIN	307	280	280	210	271	280	330	751	252	177	117	51
AC-FT	19850	19140	19090	17570	17210	19140	31410	90230	44940	16000	9250	7070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2001, BY WATER YEAR (WY)

MEAN	356	343	307	293	288	308	516	1528	1741	584	296	260
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1962 - 2001	
ANNUAL TOTAL	168991		156734			
ANNUAL MEAN	462		429		569	
HIGHEST ANNUAL MEAN					966	1984
LOWEST ANNUAL MEAN					208	1977
HIGHEST DAILY MEAN	2930	May 30	2010	May 16	5360	Jun 26 1983
LOWEST DAILY MEAN	73	Aug 25	51	Sep 12	6.5	Jul 19 1977
ANNUAL SEVEN-DAY MINIMUM	92	Aug 21	67	Sep 9	8.8	Jul 16 1977
MAXIMUM PEAK FLOW			2210	May 18	5740	Jun 26 1983
MAXIMUM PEAK STAGE			4.62	May 18	7.07	Jun 26 1983
ANNUAL RUNOFF (AC-FT)	335200		310900		412100	
10 PERCENT EXCEEDS	937		1030		1400	
50 PERCENT EXCEEDS	334		310		331	
90 PERCENT EXCEEDS	167		154		216	

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	E COLI, MTEC MF WATER (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)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
27...	1515	343	427	8.6	1.8	10.6	.4	E3	--	--	--	--	.002
APR													
10...	1600	358	418	8.6	4.9	10.1	.5	26	--	--	--	--	<.001
JUN													
05...	0900	1450	233	8.3	6.2	10.2	--	33	116	34.7	7.18	.9	<.001
JUL													
30...	1000	180	436	8.3	14.7	8.1	.7	180	--	--	--	--	<.001
AUG													
28...	1115	130	476	7.9	15.4	7.9	.6	E19	220	66.5	13.0	3.5	<.006

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)
NOV								
27...	.063	.006	--	.25	E.05	.029	E.004	<.007
APR								
10...	.015	.008	--	.16	E.06	.013	.007	<.007
JUN								
05...	.035	.004	.114	.21	.12	.035	.014	E.005
JUL								
30...	.011	.008	--	.16	E.09	.015	.012	.007
AUG								
28...	E.028	<.040	--	.12	E.09	.021	.017	E.011

E Estimated laboratory analysis value

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	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)	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)
JUN													
05...	129	<15	<2	16.6	<2.50	<13	<.10	<1	<2	<1.0	150	<1	<7.0
AUG													
28...	E21	<15	<2	19.5	<2.50	13	<.10	<1	<2	<1.0	50	<1	<7.0

DATE	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						
05...	9	<1.5	<2	<2.0	221	<31
AUG						
28...	13	E1.1	<2	<2.0	622	<31

E Estimated laboratory analysis value.

09304200 WHITE RIVER ABOVE COAL CREEK NEAR MEEKER, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
06...	1220	319	414	3.7	27...	0953	1760	253	12.6
DEC					JUL				
22...	1250	323	410	1.0	11...	1221	291	410	16.5
FEB					SEP				
28...	1405	253	430	4.3	25...	1150	131	463	11.3

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
05...	0900	1450	6.2	20	80
JUL					
30...	1000	180	14.7	5	2.3
AUG					
28...	1115	130	15.4	3	.91

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.--Records good except for estimated daily discharges, which are poor. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	375	386	e295	308	308	324	368	1550	2080	392	289	223
2	362	389	e290	300	291	312	387	1610	2120	390	255	210
3	363	362	e315	292	306	309	417	1280	2170	391	258	205
4	370	364	e305	313	305	299	446	1070	2060	386	266	200
5	381	400	e310	308	303	322	453	1090	1770	374	266	186
6	385	387	e325	315	308	323	493	950	1510	352	274	180
7	377	336	e315	286	313	331	488	922	1470	332	288	168
8	367	386	e320	258	303	340	467	1010	1460	349	307	193
9	361	375	e335	279	255	355	431	1280	1340	377	307	187
10	365	385	e330	e285	300	380	426	1540	1310	387	308	178
11	367	378	e320	295	324	369	431	1810	1220	392	300	169
12	419	351	e315	311	296	346	416	1970	1080	378	277	163
13	425	318	e330	300	306	335	410	2170	1040	363	256	168
14	424	342	e325	298	314	332	401	2280	924	383	295	190
15	423	e390	e315	273	302	323	388	2330	812	378	330	198
16	417	372	e295	250	283	327	415	2390	736	386	272	211
17	407	312	e305	218	294	330	478	2370	684	350	291	256
18	398	304	e310	244	304	322	618	2310	632	335	269	291
19	398	e330	293	e250	320	325	783	2210	557	349	267	283
20	393	e350	e320	e275	311	345	943	2150	473	327	273	270
21	377	e365	e295	286	327	370	796	1990	444	325	290	263
22	378	e380	e340	300	316	393	740	1660	429	323	298	271
23	385	e370	361	e340	316	402	656	1670	425	318	286	271
24	403	e330	337	303	314	405	598	1840	420	325	275	270
25	418	e335	347	323	310	417	616	2020	441	380	268	254
26	400	e330	312	304	307	432	778	2120	439	420	258	272
27	385	e335	293	306	321	426	1080	2050	528	381	243	285
28	385	e340	e320	303	308	398	1300	2100	449	352	234	288
29	414	e325	310	297	---	384	1410	2070	426	311	229	296
30	393	e330	302	287	---	369	1370	2080	433	277	224	294
31	377	---	e315	259	---	359	---	2100	---	286	219	---
TOTAL	12092	10657	9800	8966	8565	11004	19003	55992	29882	11069	8472	6893
MEAN	390	355	316	289	306	355	633	1806	996	357	273	230
MAX	425	400	361	340	327	432	1410	2390	2170	420	330	296
MIN	361	304	290	218	255	299	368	922	420	277	219	163
AC-FT	23980	21140	19440	17780	16990	21830	37690	111100	59270	21960	16800	13670

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2001, BY WATER YEAR (WY)

MEAN	393	371	334	315	310	344	552	1569	1895	686	390	359
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1910 - 2001	
ANNUAL TOTAL	187971		192395			
ANNUAL MEAN	514		527		627	
HIGHEST ANNUAL MEAN					1044	1984
LOWEST ANNUAL MEAN					274	1977
HIGHEST DAILY MEAN	2980	May 31	2390	May 16	6320	May 25 1984
LOWEST DAILY MEAN	200	Aug 25	163	Sep 12	78	Jul 16 1977
ANNUAL SEVEN-DAY MINIMUM	219	Aug 21	175	Sep 7	86	Jul 13 1977
MAXIMUM PEAK FLOW			2570	May 16	6950	May 25 1984
MAXIMUM PEAK STAGE			4.67	May 16	a6.12	May 25 1984
ANNUAL RUNOFF (AC-FT)	372800		381600		454300	
10 PERCENT EXCEEDS	1020		1300		1480	
50 PERCENT EXCEEDS	363		340		372	
90 PERCENT EXCEEDS	286		266		270	

e Estimated.
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$^1/_4$NE$^1/_4$ 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.--Records good except for estimated daily discharges, which are poor. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	409	389	299	e320	e330	e340	352	1250	2090	486	266	254
2	395	390	286	e310	e330	e330	366	1390	2140	518	229	233
3	392	365	338	e300	e330	e330	389	1190	2180	515	228	230
4	400	360	331	e305	e330	e330	412	1030	2120	493	249	235
5	416	389	336	e315	e330	328	420	1060	1840	471	252	218
6	405	383	352	e330	e315	339	452	929	1580	454	252	207
7	399	324	338	e310	e320	354	468	889	1500	426	287	198
8	394	332	363	e290	e340	364	446	911	1510	446	312	244
9	390	390	377	e310	e350	382	420	1100	1430	422	326	254
10	395	386	358	e320	e350	418	403	1280	1380	475	321	231
11	402	377	345	e310	e350	399	413	1510	1290	499	309	225
12	413	353	327	e320	e340	359	403	1680	1160	446	284	217
13	391	305	365	e330	e360	342	396	1900	1170	424	259	227
14	389	286	358	e320	e340	344	387	2040	1070	442	306	283
15	389	381	360	e300	e330	324	372	2160	924	430	349	268
16	383	358	304	e300	e330	329	383	2270	824	445	298	276
17	377	302	290	e310	e315	330	431	2300	760	379	304	345
18	372	272	309	e300	e310	321	525	2300	709	353	301	383
19	368	296	257	e300	e325	320	641	2190	644	352	293	360
20	366	314	329	e290	e335	350	771	2180	557	338	309	337
21	364	364	299	e290	e335	377	703	2030	514	338	319	309
22	365	384	345	e300	e335	398	658	1700	479	315	347	307
23	366	386	371	e310	e330	400	608	1640	484	312	319	300
24	378	353	331	e320	e325	406	538	1760	490	308	310	312
25	401	396	361	e330	e335	411	509	1940	510	338	300	299
26	385	358	303	e320	e335	427	576	2080	502	384	287	294
27	373	385	e300	e330	e340	421	771	2010	624	378	277	292
28	373	372	e300	e305	e340	389	954	2070	528	343	264	288
29	391	336	e310	e300	---	379	1110	2050	474	303	257	296
30	380	369	e300	e310	---	361	1140	2060	496	263	242	294
31	374	---	e310	e320	---	348	---	2090	---	270	235	---
TOTAL	11995	10655	10152	9625	9335	11250	16417	52989	31979	12366	8891	8216
MEAN	387	355	327	310	333	363	547	1709	1066	399	287	274
MAX	416	396	377	330	360	427	1140	2300	2180	518	349	383
MIN	364	272	257	290	310	320	352	889	474	263	228	198
AC-FT	23790	21130	20140	19090	18520	22310	32560	105100	63430	24530	17640	16300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2001, BY WATER YEAR (WY)

MEAN	458	416	368	340	342	393	599	1599	1887	759	426	397
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1962 - 2001	
ANNUAL TOTAL	197616		193870			
ANNUAL MEAN	540		531		666	
HIGHEST ANNUAL MEAN					1069	1985
LOWEST ANNUAL MEAN					290	1977
HIGHEST DAILY MEAN	3200	May 31	2300	May 17	6060	Jun 26 1983
LOWEST DAILY MEAN	189	Aug 11	198	Sep 7	85	Jun 28 1977
ANNUAL SEVEN-DAY MINIMUM	202	Aug 7	224	Sep 2	90	Jun 25 1977
MAXIMUM PEAK FLOW			2510	May 18	6590	Jun 26 1983
MAXIMUM PEAK STAGE			3.06	May 18	4.97	Jun 26 1983
ANNUAL RUNOFF (AC-FT)	392000		384500		482500	
10 PERCENT EXCEEDS	1060		1180		1520	
50 PERCENT EXCEEDS	378		358		415	
90 PERCENT EXCEEDS	281		287		285	

e Estimated.

09304800 WHITE RIVER BELOW MEEKER, CO--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1974 to September 1984, December 1985 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	E COLI, MTEC MF WATER (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)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
16...	1610	365	535	8.6	0	13.3	.2	E3	--	--	--	--	E.003
MAR													
23...	1025	409	643	8.4	6.4	11.0	2.0	E15	--	--	--	--	E.004
JUN													
05...	1105	1930	327	8.3	10.1	9.6	--	27	159	44.6	11.5	2.2	<.006
JUL													
31...	0925	261	635	8.3	18.1	7.8	.6	120	--	--	--	--	<.001
AUG													
21...	1700	328	639	8.3	18.2	7.8	.6	57	293	78.5	23.6	7.5	<.006

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)
NOV								
16...	.065	<.041	--	.20	<.10	.016	<.006	<.018
MAR								
23...	E.032	<.041	--	.56	.18	.070	.011	<.018
JUN								
05...	E.043	<.040	--	.23	.17	.050	.029	E.016
JUL								
31...	.005	.016	.184	.29	.20	.027	.018	.010
AUG								
21...	E.026	<.040	--	.32	.21	.028	.014	<.020

E Estimated laboratory analysis value.

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	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)	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)
JUN													
05...	124	E8	<2	21.7	<2.50	E11	<.10	<1	<2	<1.0	170	<1	E4.0
AUG													
21...	53	<15	<2	33.3	<2.50	38	<.10	<1	<2	E1.0	100	<1	16.7

DATE	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						
05...	15	<1.5	<2	<2.0	317	<31
AUG						
21...	18	E1.2	<2	<2.0	738	<31

E Estimated laboratory analysis value.

09304800 WHITE RIVER BELOW MEEKER, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
02...	1750	402	503	13.7	29...	1002	2110	294	11.5
JAN					JUN				
03...	1330	302	544	0	25...	1437	498	615	18.3
MAR					AUG				
08...	1030	346	656	3.8	20...	1330	322	643	17.5
APR									
24...	1347	542	462	12.9					

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
05...	1105	1930	10.1	29	151
JUL					
31...	0925	261	18.1	7	5.1
AUG					
21...	1700	328	18.2	9	7.9

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	10	e16	e10	e11	e19	15	6.5	7.4	2.2	5.0	14
2	5.6	9.7	e17	e10	e13	e16	15	7.1	10	1.9	6.4	13
3	4.7	10	e17	e11	e15	e17	15	8.2	9.3	2.3	7.7	12
4	3.8	11	e16	e11	e16	e18	15	9.1	9.4	4.9	9.4	12
5	2.9	12	e15	e11	e15	e17	15	12	9.5	7.7	9.0	12
6	2.8	11	e14	e10	e16	e17	16	12	9.6	6.9	8.6	11
7	3.4	13	e14	e10	e18	18	16	12	9.1	6.2	10	9.9
8	4.0	16	e15	e11	e16	18	16	9.0	8.9	6.2	12	8.9
9	5.2	19	e16	e12	e13	18	17	8.8	10	4.8	20	7.7
10	5.9	19	e15	e12	e15	19	17	9.3	7.7	5.1	22	7.5
11	5.9	22	e14	e11	e16	18	18	9.0	7.0	5.5	8.9	7.5
12	5.7	19	e13	e12	e16	18	18	7.0	6.0	10	7.0	7.7
13	6.1	19	e12	e13	e17	17	18	6.4	5.9	5.5	6.1	7.6
14	7.7	22	e12	e12	e16	17	18	6.2	5.0	6.0	6.8	7.6
15	7.7	e21	e13	e11	e15	17	18	3.4	4.4	6.0	5.9	7.7
16	8.2	e20	e12	e10	e16	17	18	3.0	3.4	5.2	4.9	7.5
17	8.3	e19	e12	e10	e18	18	17	2.3	2.9	3.4	4.7	13
18	8.2	e17	e11	e11	e17	e18	17	2.0	3.0	2.9	4.8	14
19	8.3	e18	e11	e10	e19	e17	14	8.2	6.5	2.8	5.1	9.7
20	7.7	e19	e12	e9.6	e20	e18	11	10	7.9	2.5	5.2	9.3
21	7.6	e20	e13	e9.0	e21	18	12	9.6	9.4	2.6	23	8.2
22	7.3	e20	e13	e9.8	e20	18	10	8.5	10	2.7	105	8.9
23	7.1	e18	e14	e11	e22	18	11	8.3	7.4	2.3	24	8.9
24	7.8	e17	e13	e10	e21	17	9.6	8.8	6.6	2.7	16	8.6
25	8.4	e16	e12	e11	e20	20	8.8	10	7.0	6.4	13	10
26	8.0	e16	e12	e11	e18	18	8.9	10	7.1	7.2	13	11
27	7.8	e16	e11	e12	e19	16	8.4	8.9	4.8	8.4	12	12
28	8.1	e17	e11	e11	e21	15	7.9	8.4	6.2	9.0	12	11
29	8.4	e17	e12	e11	---	15	7.6	8.0	3.3	7.1	13	11
30	9.3	e16	e12	e12	---	15	6.8	8.1	2.2	5.9	13	12
31	9.7	---	e11	e11	---	15	---	6.7	---	4.8	13	---
TOTAL	207.1	499.7	411	336.4	480	537	415.0	246.8	206.9	157.1	426.5	301.2
MEAN	6.68	16.7	13.3	10.9	17.1	17.3	13.8	7.96	6.90	5.07	13.8	10.0
MAX	9.7	22	17	13	22	20	18	12	10	10	105	14
MIN	2.8	9.7	11	9.0	11	15	6.8	2.0	2.2	1.9	4.7	7.5
AC-FT	411	991	815	667	952	1070	823	490	410	312	846	597

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	21.7	26.1	24.2	21.7	24.8	34.4	47.3	66.8	32.2	23.9	30.0	21.5
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 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	5000.3		4224.7			
ANNUAL MEAN	13.7		11.6		31.2	
HIGHEST ANNUAL MEAN					96.5	1985
LOWEST ANNUAL MEAN					8.30	1967
HIGHEST DAILY MEAN	31	Mar 29	105	Aug 22	534	May 5 1985
LOWEST DAILY MEAN	2.8	Oct 6	1.9	Jul 2	.15	Jun 7 1981
ANNUAL SEVEN-DAY MINIMUM	3.6	Aug 16	2.6	Jul 18	.96	Apr 27 1966
MAXIMUM PEAK FLOW			281	Aug 22	550	May 5 1985
MAXIMUM PEAK STAGE			6.84	Aug 22	a7.70	May 5 1985
ANNUAL RUNOFF (AC-FT)	9920		8380		22630	
10 PERCENT EXCEEDS	25		18		60	
50 PERCENT EXCEEDS	10		11		21	
90 PERCENT EXCEEDS	5.0		5.1		6.7	

e Estimated.
a 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; 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)
NOV													
15...	1140	20	1600	8.5	1.7	11.7	551	83.9	82.1	164	3.05	2.71	488
MAR													
27...	1655	16	1530	--	13.8	9.1	534	85.2	77.1	139	2.63	2.76	413
JUL													
11...	1340	4.8	1830	8.4	20.5	9.8	535	66.6	88.8	223	4.20	3.12	588
AUG													
16...	1425	4.8	1810	8.4	21.1	11.6	644	82.1	105	216	3.72	3.03	523

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)	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)
NOV													
15...	402	15.3	.6	17.4	1110	1070	1.50	60	84	.007	.576	.069	.283
MAR													
27...	392	13.8	.5	15.7	1040	979	1.42	45	168	.008	.448	E.028	--
JUL													
11...	449	21.9	1.0	13.2	1130	1220	1.53	15	<10	E.003	<.050	<.040	--
AUG													
16...	488	19.7	.8	12.0	1250	1210	1.70	16	14	<.006	<.050	E.023	--

DATE	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)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	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)
NOV													
15...	.35	<.060	.025	4.2	2	.12	E1.4	76.3	<.06	177	<.04	<.8	.55
MAR													
27...	.46	<.060	.020	4.5	3	.12	E1.9	72.3	<.06	143	E.02	<.8	.47
JUL													
11...	.42	.060	.064	6.6	2	.12	4.4	68.3	<.06	246	.06	E.4	.41
AUG													
16...	.36	E.045	.035	5.7	4	.14	4.1	118	<.06	235	.04	<.8	.58

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)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	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)	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)
NOV													
15...	2.0	<10	<.08	9.9	138	<.23	7.4	1.26	<2.4	<1.0	2930	E6.4	1
MAR													
27...	2.3	M	<.08	9.7	58.4	<.01	6.7	.47	<2.4	<1.0	3000	8.0	2
JUL													
11...	2.7	20	<.08	10	81.8	<.01	7.1	.56	<2.0	<1.0	3130	E4.7	2
AUG													
16...	1.0	M	E.05	12.0	124	<.01	9.6	<.06	E1.3	<1.0	3910	E6.9	4

09306200 PICEANCE CREEK BELOW RYAN GULCH, NEAR RIO BLANCO, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
NOV	
15...	3.51
MAR	
27...	3.07
JUL	
11...	2.98
AUG	
16...	3.55

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, DIS-SOLVED (PCI/L AS CS-137) (03515)	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, DIS-SOLVED (PCI/L AS CS-137) (03515)
NOV					JUL				
15...	.82	<3.00	5.2	<4.00	11...	1.0	3.12	5.8	7.16
MAR					AUG				
27...	1.2	5.27	4.6	8.30	16...	.90	1.94	5.5	3.68

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
03...	1220	5.2	1930	12.8	06...	1430	17	1520	9.8
JAN					MAY				
03...	1000	11	1500	0	24...	1500	10	1700	20.5

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
15...	1140	20	1.7	82	4.4
MAR					
27...	1655	16	13.8	206	8.9
JUL					
11...	1340	4.8	20.5	10	.13
AUG					
16...	1425	4.8	21.1	22	.28

09306222 PICEANCE CREEK AT WHITE RIVER, CO

LOCATION.--Lat 40°04'39", long 108°14'07", 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	6.5	e22	e18	e21	e27	19	11	2.4	1.7	2.7	21
2	6.5	6.5	e20	e18	e24	e24	19	11	2.2	1.8	3.0	19
3	6.3	6.3	e19	e17	e28	e25	18	12	2.1	1.7	3.2	18
4	6.5	18	e19	e17	e27	e28	18	12	2.0	1.6	3.9	18
5	6.5	52	e20	e18	e25	e27	18	12	2.7	2.4	4.4	19
6	6.5	33	e21	e18	e26	e27	20	12	2.9	2.2	4.0	20
7	6.5	29	e20	e17	e27	e26	21	11	3.4	2.2	4.4	19
8	6.4	29	e22	e16	e26	27	21	10	2.7	2.5	4.7	19
9	6.3	29	e25	e15	e23	27	21	e9.4	2.6	5.3	31	18
10	6.2	31	e26	e18	e21	28	20	e9.0	2.4	3.2	48	16
11	5.9	32	e24	e17	e22	28	23	e9.2	2.2	2.5	25	15
12	6.0	e34	e21	e16	e24	26	22	e8.6	2.0	2.2	15	15
13	5.8	e33	e23	e16	e29	25	13	e7.8	2.0	2.3	13	15
14	5.8	e32	e25	e18	e28	25	16	e6.8	2.0	2.5	17	17
15	5.8	e36	e23	e18	e26	24	17	e6.0	2.0	2.0	14	15
16	5.8	e35	e21	e17	e23	24	15	e4.0	1.9	2.2	12	15
17	6.0	e30	e19	e16	e21	25	13	e3.0	1.5	1.7	9.4	17
18	6.5	e22	e19	e16	e23	24	14	e2.5	1.2	1.3	10	29
19	6.5	e22	e17	e16	e25	24	13	e3.0	1.7	1.4	9.6	25
20	6.5	e23	e18	e15	e27	24	12	e3.5	1.9	1.4	10	21
21	6.6	e24	e19	e16	e25	25	12	e3.6	1.9	1.4	29	19
22	11	e25	e20	e17	e26	26	12	e3.6	1.9	1.4	145	17
23	7.7	e24	e21	e16	e24	25	12	e3.4	2.2	1.4	71	17
24	6.9	e22	e20	e18	e23	25	12	e3.3	2.2	1.4	50	16
25	6.2	e22	e18	e19	e26	24	12	3.0	2.2	1.5	41	15
26	6.2	e24	e17	e18	e27	25	12	2.8	2.2	1.5	35	17
27	6.2	e26	e17	e18	e25	23	12	3.0	2.0	1.6	32	18
28	6.2	e28	e18	19	e24	20	11	2.8	2.0	1.6	30	19
29	6.2	e26	e19	e18	---	20	11	3.0	2.0	1.6	28	17
30	6.2	e24	e17	e16	---	20	11	2.6	2.0	1.6	20	18
31	6.2	---	e17	e18	---	20	---	2.4	---	1.7	21	---
TOTAL	200.6	784.3	627	530	696	768	470	197.3	64.4	60.8	746.3	544
MEAN	6.47	26.1	20.2	17.1	24.9	24.8	15.7	6.36	2.15	1.96	24.1	18.1
MAX	11	52	26	19	29	28	23	12	3.4	5.3	145	29
MIN	5.8	6.3	17	15	21	20	11	2.4	1.2	1.3	2.7	15
AC-FT	398	1560	1240	1050	1380	1520	932	391	128	121	1480	1080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	28.8	34.1	29.7	27.0	31.4	47.2	61.9	80.8	38.2	28.7	34.5	25.5
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	6082.0		5688.7			
ANNUAL MEAN	16.6		15.6		39.0	
HIGHEST ANNUAL MEAN					110	1985
LOWEST ANNUAL MEAN					12.5	1990
HIGHEST DAILY MEAN	52	Nov 5	145	Aug 22	539	May 7 1998
LOWEST DAILY MEAN	3.0	Jun 2	1.2	Jun 18	a.50	Jul 21 1966
ANNUAL SEVEN-DAY MINIMUM	3.3	May 28	1.4	Jul 18	.84	Jul 30 1971
MAXIMUM PEAK FLOW			276	Aug 22	b628	Sep 7 1978
MAXIMUM PEAK STAGE			4.81	Aug 22	7.04	Sep 7 1978
ANNUAL RUNOFF (AC-FT)	12060		11280		28280	
10 PERCENT EXCEEDS	33		27		77	
50 PERCENT EXCEEDS	12		17		26	
90 PERCENT EXCEEDS	3.9		2.1		4.1	

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
NOV													
15...	1640	37	2020	8.7	0	11.4	554	70.3	91.1	283	5.25	2.87	--
MAR													
28...	1055	20	2090	8.7	5.6	11.6	518	71.6	81.5	279	5.35	2.87	--
MAY													
24...	0930	3.4	3800	8.8	15.5	9.5	434	30.4	86.3	845	17.7	4.03	1650
AUG													
16...	1730	9.6	2810	8.6	25.5	7.7	545	44.8	104	520	9.72	4.39	1050

DATE	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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, 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)
NOV													
15...	--	633	--	449	32.7	.9	16.1	1350	1330	1.84	135	218	.010
MAR													
28...	--	658	--	421	39.1	.9	13.7	1380	1310	1.87	74	169	.009
MAY													
24...	120	--	1550	435	147	2.8	7.6	2680	2490	3.64	25	<10	<.006
AUG													
16...	66	--	970	535	62.1	1.5	15.6	1900	1870	2.58	49	29	<.006

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 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)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	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)
NOV													
15...	.464	.132	.353	.48	<.060	.030	4.9	2	.17	E1.9	105	<.06	237
MAR													
28...	.331	E.039	--	.35	<.060	.027	4.7	1	.14	2.3	94.2	<.06	234
MAY													
24...	<.050	<.040	--	.76	.096	.037	8.6	5	<.10	4.7	150	<.10	627
AUG													
16...	E.023	E.031	--	.66	E.047	.040	9.4	18	.23	6.7	172	<.10	471

DATE	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)	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)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	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)
NOV													
15...	E.03	<.8	.56	2.3	M	<.08	22.9	86.8	<.23	9.2	1.32	<2.4	<1.0
MAR													
28...	E.03	E.4	.48	2.2	M	<.08	25.1	33.8	<.01	8.2	1.08	<2.4	<1.0
MAY													
24...	E.05	E.5	.65	3.9	40	<.20	83.8	22.7	M	9.5	2.06	<2.0	<2.0
AUG													
16...	E.04	E.5	.81	8.9	E30	E.13	37.4	15.8	.01	9.5	1.27	<2.0	<2.0

09306222 PICEANCE CREEK AT WHITE RIVER, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
NOV				
15...	2980	E7.3	2	3.81
MAR				
28...	2830	8.5	1	3.39
MAY				
24...	2110	E4.2	4	3.85
AUG				
16...	2430	E13.7	5	3.61

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, DIS-SOLVED (PCI/L AS CS-137) (03515)	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, DIS-SOLVED (PCI/L AS CS-137) (03515)
NOV					MAY				
15...	1.0	3.86	5.8	6.51	24...	.97	3.09	11	11.8
MAR					AUG				
28...	1.0	3.58	6.0	7.88	16...	1.1	3.37	9.2	8.90

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
02...	1630	6.6	1950	13.0	07...	1110	26	2070	4.9
JAN					JUL				
03...	1140	16	1940	0	11...	1210	2.7	3370	23.0

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
15...	1640	37	0	253	25
MAR					
28...	1055	20	5.6	209	11
MAY					
24...	0930	3.4	15.5	46	.42
AUG					
16...	1730	9.6	25.5	88	2.3

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.--Records fair except for estimated daily discharges, which are poor. No diversions upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.62	.62	.64	.69	.82	.67	.62	e.41	.44	.46	.66	.93
2	.62	.60	.62	.71	.82	.65	.64	e.43	.44	.49	.64	.92
3	.62	.57	.64	.71	.79	.61	.66	e.51	.47	.52	.78	.90
4	.62	.57	.63	.71	.79	.56	.65	e.48	.48	.55	1.1	.92
5	.62	.57	.66	.71	.82	.53	e.63	e.50	.46	.57	.94	.91
6	.62	.57	.58	.71	.82	.50	e.61	e.47	.46	.60	.90	.89
7	.62	.61	.57	.71	.88	.43	e.61	e.42	.44	.60	.94	.88
8	.62	.64	.57	.71	.83	.42	e.61	e.40	.44	.64	.95	.92
9	.62	.58	.66	.71	.82	.44	e.61	e.40	.48	.65	1.0	.85
10	.62	.57	.62	.75	.82	.41	e.62	e.39	.50	.66	e1.0	.83
11	.62	.59	.62	.76	.82	.43	e.62	e.38	.50	.66	e.98	.83
12	.62	.64	.62	.76	.82	.45	e.60	e.38	.49	.66	e.88	.82
13	.62	e.66	.62	.76	.82	.45	e.58	e.40	.51	.66	e.82	.82
14	.62	e.63	.62	.76	.82	.44	e.57	e.42	.48	.66	e.83	.82
15	.62	.66	.63	.76	.82	.44	e.56	e.42	.47	.66	e.84	.82
16	.62	.65	.62	.81	.82	.44	e.56	e.41	.45	.69	e.85	.82
17	.62	.62	.62	.82	.82	.46	e.56	e.40	.44	.73	.87	.84
18	.62	.60	.62	.82	.85	.44	e.55	e.39	.45	.76	.87	.82
19	.62	.57	.62	.82	1.2	.47	e.54	e.38	.41	.76	.87	.82
20	.62	.57	.62	.82	1.2	.50	e.51	e.38	.42	.76	.87	.82
21	.62	.57	.65	.82	1.1	.52	e.49	e.38	.39	.76	.87	.82
22	.62	.57	.66	.82	.97	.52	e.50	e.40	.40	.88	.96	.82
23	.62	.57	.67	.82	.94	.53	e.51	e.42	.39	.92	.98	.82
24	.62	.57	.70	.82	.91	.55	e.50	.41	.41	.78	.94	.80
25	.62	.57	.71	.82	.86	.57	e.48	.41	.42	.76	.92	.76
26	.62	.59	.71	.82	.81	.58	e.46	.41	.42	.73	.92	.76
27	.62	.66	.70	.82	.77	.57	e.44	.41	.44	.69	.91	.76
28	.62	.66	.70	.82	.73	.58	e.44	.41	.42	.66	.92	.76
29	.62	.65	.66	.82	---	.66	e.44	.47	.42	.65	.93	.76
30	.62	.66	.66	.82	---	.65	e.43	.44	.42	.60	.93	.76
31	.62	---	.66	.82	---	.62	---	.44	---	.61	.93	---
TOTAL	19.22	18.16	19.88	24.03	24.29	16.09	16.60	12.97	13.36	20.78	27.80	25.00
MEAN	.62	.61	.64	.78	.87	.52	.55	.42	.45	.67	.90	.83
MAX	.62	.66	.71	.82	1.2	.67	.66	.51	.51	.92	1.1	.93
MIN	.62	.57	.57	.69	.73	.41	.43	.38	.39	.46	.64	.76
AC-FT	38	36	39	48	48	32	33	26	26	41	55	50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2001, BY WATER YEAR (WY)

MEAN	1.07	.89	.81	.77	.83	1.27	2.70	7.38	4.46	1.93	1.57	1.31
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1974 - 2001	
ANNUAL TOTAL	255.50		238.18			
ANNUAL MEAN	.70		.65		2.13	
HIGHEST ANNUAL MEAN					7.75	1984
LOWEST ANNUAL MEAN					.27	1992
HIGHEST DAILY MEAN	1.2	Aug 25	1.2	Feb 19	207	Jun 1 1983
LOWEST DAILY MEAN	.47	Sep 17	e.38	May 11	a.06	Apr 10 1974
ANNUAL SEVEN-DAY MINIMUM	.48	Sep 13	e.39	May 16	.07	Apr 10 1974
MAXIMUM PEAK FLOW			31	Aug 9	b1780	Aug 18 1984
MAXIMUM PEAK STAGE			c2.92	Aug 9	6.12	Aug 18 1984
ANNUAL RUNOFF (AC-FT)	507		472		1550	
10 PERCENT EXCEEDS	.88		.87		4.1	
50 PERCENT EXCEEDS	.66		.62		.85	
90 PERCENT EXCEEDS	.54		.43		.32	

e Estimated.
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.
c From high-water mark.

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
NOV													
14...	1445	.61	1530	7.9	7.9	8.6	576	101	77.8	121	2.21	1.14	--
MAY													
23...	1300	.42	1460	7.8	13.5	6.7	612	107	82.9	123	2.16	1.73	512
AUG													
16...	1130	.84	1330	7.9	16.3	6.6	551	98.0	73.7	107	1.98	1.36	397

DATE	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)	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)
NOV													
14...	446	--	412	13.2	.3	22.1	1020	1.39	1.7	--	--	--	--
MAY													
23...	--	420	405	13.8	.3	22.2	1010	1.38	1.1	<.006	.253	E.029	.45
AUG													
16...	--	325	374	14.5	.4	21.0	889	1.21	2.0	E.004	.503	E.037	.35

DATE	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)	BORON, DIS-SOLVED (UG/L AS B) (01020)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
NOV					
14...	--	--	--	111	2390
MAY					
23...	<.060	<.020	5.5	119	2470
AUG					
16...	<.060	E.012	6.1	99	2170

E Estimated laboratory analysis value.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
03...	1110	.62	1470	10.8	07...	1340	.44	1520	9.8
JAN									
02...	1225	.73	1530	7.9					

09306242 CORRAL GULCH NEAR RANGELY, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
14...	1445	.61	7.9	8	.01
MAY					
23...	1300	.42	13.5	17	.02
AUG					
16...	1130	.84	16.3	92	.21

09306255 YELLOW CREEK NEAR WHITE RIVER, CO

LOCATION.--Lat 40°10'07", long 108°24'02", in NE$^1/_4$SW$^1/_4$ 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.--Records 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	4.8	e2.8	e3.6	e3.7	4.3	3.4	3.4	5.8	3.3	2.2	2.2
2	3.2	4.6	e2.7	e3.7	4.6	4.3	3.5	3.7	6.1	3.5	2.3	2.2
3	3.2	4.3	e2.8	e3.5	4.3	4.6	3.6	4.5	3.1	3.5	2.6	2.2
4	3.3	4.3	e3.0	e3.3	4.3	4.7	3.6	4.0	3.0	3.5	2.8	2.3
5	3.4	4.5	e3.1	e3.5	4.4	4.8	3.7	4.2	3.1	3.4	2.7	2.4
6	3.4	4.4	e3.1	e3.6	4.5	5.0	4.0	3.5	3.1	3.4	2.8	2.3
7	3.4	3.7	e3.4	e3.3	e4.2	4.9	3.9	3.3	3.0	3.3	2.6	2.3
8	3.5	e4.0	e3.6	e3.2	e3.9	4.8	4.2	3.3	3.0	3.6	2.6	2.5
9	3.4	e4.3	e3.8	e3.4	e4.1	4.9	4.0	3.3	3.0	3.6	2.5	2.5
10	3.5	e4.0	e3.7	e3.6	e4.6	4.8	4.0	3.2	2.9	4.0	5.4	2.5
11	3.9	e3.4	e3.3	e3.7	e5.0	4.6	3.9	3.1	2.9	3.0	2.7	2.4
12	3.8	e2.9	e3.5	e3.4	4.7	4.1	3.9	3.3	2.9	2.6	2.5	2.4
13	3.6	e3.1	e3.9	e3.6	5.0	4.0	4.0	3.6	3.0	2.6	2.5	2.5
14	3.6	e3.3	e3.7	e3.8	5.3	3.8	4.0	3.6	2.9	2.8	2.7	3.1
15	3.6	e3.2	e3.5	e3.6	e5.0	3.7	4.0	3.5	2.9	2.8	2.5	2.6
16	3.6	e3.1	e3.1	e3.2	e4.8	3.6	4.0	3.3	2.8	2.7	2.5	2.6
17	3.6	e3.0	e3.3	e3.0	5.0	3.6	4.0	3.2	2.8	2.4	2.4	2.9
18	3.7	e2.8	e3.4	e3.1	5.1	3.6	4.0	3.2	2.7	2.3	2.3	2.9
19	3.8	e2.8	e3.2	e3.4	5.4	3.6	4.0	3.1	2.7	2.3	2.3	2.8
20	3.9	e2.9	e3.4	e3.3	e6.2	3.8	4.0	3.0	2.7	2.3	2.4	2.7
21	3.9	e3.1	e3.3	e3.5	e5.9	3.7	3.8	3.1	2.6	2.3	2.5	2.6
22	4.0	e3.2	e3.2	e3.3	e5.8	3.7	4.0	3.2	2.6	2.4	2.8	2.5
23	4.0	e2.9	e3.3	e3.5	e5.6	3.7	4.0	3.4	2.7	2.6	2.5	2.5
24	4.2	e2.7	e3.5	e3.8	e5.3	3.7	3.8	3.5	2.8	2.5	2.4	2.5
25	4.4	e3.0	e3.4	4.1	4.7	3.7	3.8	3.6	3.3	2.6	2.3	2.5
26	4.2	e3.2	e3.1	3.3	4.4	3.7	3.7	4.5	3.5	2.5	2.3	2.4
27	4.2	e3.7	e3.3	4.1	4.4	3.5	3.7	4.3	3.7	2.6	2.2	2.4
28	4.2	e3.3	e3.2	e3.9	4.2	3.4	3.7	3.6	3.5	2.3	2.2	2.4
29	4.3	e3.0	e3.1	e3.6	---	3.6	3.6	3.6	3.5	2.2	2.1	2.5
30	4.3	e2.9	e3.2	e3.6	---	3.5	3.6	4.0	3.4	2.1	2.2	2.5
31	4.6	---	e3.7	e3.4	---	3.4	---	5.4	---	2.2	2.3	---
TOTAL	116.9	104.4	102.6	108.9	134.4	125.1	115.4	111.5	96.0	87.2	79.1	75.1
MEAN	3.77	3.48	3.31	3.51	4.80	4.04	3.85	3.60	3.20	2.81	2.55	2.50
MAX	4.6	4.8	3.9	4.1	6.2	5.0	4.2	5.4	6.1	4.0	5.4	3.1
MIN	3.2	2.7	2.7	3.0	3.7	3.4	3.4	3.0	2.6	2.1	2.1	2.2
AC-FT	232	207	204	216	267	248	229	221	190	173	157	149

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2001, BY WATER YEAR (WY)

MEAN	2.74	3.05	2.71	2.59	4.42	4.77	3.36	4.51	3.68	3.27	2.62	3.43
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1973 - 2001	
ANNUAL TOTAL	1708.8		1256.6			
ANNUAL MEAN	4.67		3.44		3.17	
HIGHEST ANNUAL MEAN					8.93	1999
LOWEST ANNUAL MEAN					1.28	1977
HIGHEST DAILY MEAN	10	Feb 11	e6.2	Feb 20	500	Sep 7 1978
LOWEST DAILY MEAN	e2.7	Nov 24	2.1	Jul 30	a.00	Sep 11 1978
ANNUAL SEVEN-DAY MINIMUM	2.9	Nov 29	2.2	Aug 27	.00	Dec 15 1978
MAXIMUM PEAK FLOW			31	Jul 10	b6800	Sep 7 1978
MAXIMUM PEAK STAGE			c6.17	Jul 10	12.97	Sep 7 1978
ANNUAL RUNOFF (AC-FT)	3390		2490		2290	
10 PERCENT EXCEEDS	6.7		4.5		6.5	
50 PERCENT EXCEEDS	4.0		3.4		2.3	
90 PERCENT EXCEEDS	3.1		2.5		.96	

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.
c Maximum gage height, 6.96 ft, Feb 20, backwater from ice.

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
NOV													
17...	1015	3.1	3590	8.6	.00	12.4	920	66.3	181	572	8	1.15	--
MAR													
07...	1810	5.6	3020	8.6	7.6	9.6	740	63.5	141	458	7	3.70	958
MAY													
23...	1730	3.4	3350	8.6	20.4	8.7	840	43.8	175	568	9	2.95	988
AUG													
16...	0830	2.6	3470	8.6	15.7	9.0	790	49.5	161	610	9	3.40	--

DATE	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	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)
NOV													
17...	--	1030	--	1010	72.3	1.3	14.4	2540	3.45	21.4	--	--	--
MAR													
07...	30	863	836	809	55.9	1.1	16.4	2050	2.79	31.1	--	--	--
MAY													
23...	60	927	910	960	72.1	1.2	13.9	2390	3.26	22.0	.031	1.45	<.040
AUG													
16...	--	1060	--	879	91.4	1.6	15.7	2460	3.35	17.3	.097	1.26	E.033

DATE	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)	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)
NOV													
17...	--	--	--	--	--	--	524	--	--	--	--	--	--
MAR													
07...	--	--	--	--	--	--	429	--	--	--	--	--	--
MAY													
23...	.56	<.060	<.020	8.4	5.2	97.2	526	E1.02	<30	96.4	E7.5	33.3	<2.00
AUG													
16...	.64	E.052	.029	8.8	8.4	141	608	<1.00	<30	103	E5.2	27.9	<2.00

DATE	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
NOV		
17...	4900	--
MAR		
07...	4040	--
MAY		
23...	4990	<60
AUG		
16...	4310	<60

E Estimated laboratory analysis value.

09306255 YELLOW CREEK NEAR WHITE RIVER, CO--Continued

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
02...	1510	3.1	3120	15.6	24...	1208	3.9	3410	12.1
JAN					JUL				
02...	1020	3.6	3110	.00	10...	1139	3.4	3420	25.5

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
17...	1015	3.1	.00	18	.16
MAR					
07...	1810	5.6	7.6	2400	36
MAY					
23...	1730	3.4	20.4	14	.13
AUG					
16...	0830	2.6	15.7	41	.29

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	458	438	e360	e350	e360	e400	408	1080	1940	444	261	230
2	427	453	e370	e340	e370	e390	416	1250	1950	457	241	228
3	420	435	e390	e340	e370	e380	442	1300	1970	503	217	223
4	424	413	e380	e350	e360	e370	435	1170	2010	495	208	217
5	452	433	e380	e360	e350	e380	599	1140	1810	470	242	219
6	449	469	e380	e370	e350	e390	497	1010	1580	458	231	208
7	432	422	e380	e360	e360	e420	540	927	1430	429	250	191
8	433	370	e400	e330	e370	e440	527	895	1430	451	272	202
9	425	443	e410	e340	e390	e460	525	1050	1390	440	366	235
10	434	455	e400	e350	e380	e490	495	1170	1330	436	348	228
11	455	465	e360	e340	e390	e500	494	1360	1260	646	325	211
12	476	447	e370	e350	e400	475	487	1510	1160	477	285	203
13	459	409	e390	e360	e410	431	458	1700	1110	436	252	197
14	447	384	e380	e360	e390	433	427	1890	1080	431	262	243
15	437	426	e380	e340	e370	405	414	2010	925	442	320	252
16	434	e400	e360	e330	e360	404	399	2120	814	439	319	255
17	427	e370	e330	e340	e350	390	431	2190	729	410	264	280
18	415	e350	e340	e330	e360	388	496	2150	671	354	282	385
19	411	e370	e320	e330	e370	381	626	2010	627	354	263	369
20	403	e390	e350	e320	e380	401	810	2020	572	339	273	348
21	404	e430	e360	e320	e380	450	784	1790	520	330	285	317
22	398	e460	e380	e330	e380	475	754	1640	472	316	470	301
23	407	e430	e400	e350	e370	479	723	1510	456	306	380	291
24	413	e420	e390	e360	e360	477	605	1570	458	303	327	296
25	444	e440	e380	e370	e360	468	622	1690	476	312	306	297
26	443	e420	e370	e360	e380	486	706	1870	446	352	291	286
27	421	e440	e330	e380	e390	487	808	1870	531	408	277	290
28	416	e430	e330	e370	e390	462	967	1870	556	343	261	287
29	428	e420	e330	e350	---	441	991	1870	476	312	253	294
30	437	e400	e330	e350	---	429	1090	1890	464	267	237	300
31	423	---	e340	e360	---	410	---	1930	---	247	227	---
TOTAL	13352	12632	11370	10790	10450	13392	17976	49452	30643	12407	8795	7883
MEAN	431	421	367	348	373	432	599	1595	1021	400	284	263
MAX	476	469	410	380	410	500	1090	2190	2010	646	470	385
MIN	398	350	320	320	350	370	399	895	446	247	208	191
AC-FT	26480	25060	22550	21400	20730	26560	35660	98090	60780	24610	17440	15640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2001, BY WATER YEAR (WY)

MEAN	549	520	448	409	408	531	782	1853	2067	911	515	465
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1983 - 2001	
ANNUAL TOTAL	214836		199142			
ANNUAL MEAN	587		546		789	
HIGHEST ANNUAL MEAN					1345	1984
LOWEST ANNUAL MEAN					428	1990
HIGHEST DAILY MEAN	3720	May 31	2190	May 17	6170	May 26 1984
LOWEST DAILY MEAN	174	Aug 11	191	Sep 7	109	Aug 6 1994
ANNUAL SEVEN-DAY MINIMUM	188	Aug 8	210	Sep 7	147	Aug 3 1994
MAXIMUM PEAK FLOW			2350	May 18	6440	Jun 7 1984
MAXIMUM PEAK STAGE			5.38	May 18	8.45	Jun 7 1984
ANNUAL RUNOFF (AC-FT)	426100		395000		571700	
10 PERCENT EXCEEDS	1080		1160		1730	
50 PERCENT EXCEEDS	428		404		514	
90 PERCENT EXCEEDS	286		279		320	

e Estimated.

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	E COLI, MTEC MF WATER (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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
NOV													
17...	1230	e370	767	8.6	0	13.1	.3	E1	--	--	--	E.003	.069
MAR													
22...	1440	474	929	8.5	11.3	9.5	--	E34	--	--	--	E.003	E.039
JUN													
06...	1045	1540	380	8.3	13.1	9.2	--	65	172	46.8	13.3	<.006	<.050
JUL													
31...	1110	253	691	8.3	22.9	7.0	2.3	150	--	--	--	<.001	.005
AUG													
21...	1235	283	765	8.4	22.1	7.0	.6	38	300	74.1	27.9	<.006	E.026

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)
NOV							
17...	<.041	--	.21	E.08	.033	<.006	<.018
MAR							
22...	<.041	--	.96	.20	.319	.009	<.018
JUN							
06...	<.040	--	.39	.17	.089	.022	E.010
JUL							
31...	.009	.243	.38	.25	.047	.010	<.007
AUG							
21...	<.040	--	.46	.22	.059	E.005	<.020

e Estimated.
E Estimated laboratory analysis value.

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	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)	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)
JUN													
06...	546	<15	<2	35.8	<2.50	21	<.10	<1	M	1.3	770	M	E5.7
AUG													
21...	597	<15	2	57.3	<2.50	59	<.10	1	E1	1.8	790	1	18.0

DATE	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						
06...	40	E1.1	2	<2.0	373	<31
AUG						
21...	42	2.2	E2	<2.0	835	<31

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
02...	1410	408	730	14.0

09306290 WHITE RIVER BELOW BOISE CREEK, NEAR RANGELY, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
NOV						
17...	1230	e370	0	44	--	--
MAR						
13...	1325	424	7.2	148	169	--
22...	1440	474	11.3	498	637	--
APR						
13...	1300	429	8.3	37	43	95
24...	1050	562	10.5	80	121	94
MAY						
10...	1105	1010	13.5	122	333	90
17...	0945	2120	11.7	280	1600	89
30...	1930	1990	15.3	192	1030	70
JUN						
06...	1045	1540	13.1	82	341	84
19...	1225	627	18.8	21	36	--
25...	1155	480	20.4	7	9.1	78
JUL						
10...	1045	444	22.8	238	285	99
31...	1110	253	22.9	32	22	--
AUG						
21...	1235	283	22.1	99	75	--
SEP						
24...	1425	303	17.8	60	49	84

e Estimated.

09306305 WHITE RIVER BELOW TAYLOR DRAW RESERVOIR, ABOVE RANGELY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°06'12", long 108°42'56"in $NW^1/_4NE^1/_4$ 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.

REVISED RECORDS.--WDR CO-97-2: Drainage area.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	E COLI, MTEC MF WATER (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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
NOV													
16...	1225	361	714	8.6	1.7	10.9	.2	E3	--	--	--	<.006	E.028
MAR													
22...	1130	451	825	8.4	3.3	10.3	1.6	<1	--	--	--	<.006	E.044
JUN													
05...	1415	e700	339	8.0	14.3	--	--	58	160	44.4	12.0	<.006	.055
JUL													
31...	1305	269	671	8.2	21.1	7.2	1.9	44	--	--	--	.007	.033
AUG													
21...	1520	311	734	7.9	22.3	6.4	.8	E1	284	69.1	27.0	<.006	E.031

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)
NOV							
16...	<.041	--	.18	.13	.007	<.006	<.018
MAR							
22...	E.034	--	.28	.23	.025	.006	<.018
JUN							
05...	<.040	--	.34	.18	.067	.022	<.020
JUL							
31...	.013	.229	.36	.24	.028	.009	<.007
AUG							
21...	E.024	--	.39	.30	.024	.007	<.020

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	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)	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)
JUN													
05...	473	<15	<2	33.1	<2.50	15	E.05	M	<2	E1.0	630	M	E4.4
AUG													
21...	73	<15	2	66.4	<2.50	54	<.10	1	<2	1.3	100	<1	11.2

DATE	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						
05...	47	E.8	E1	<2.0	325	<31
AUG						
21...	18	2.5	<2	<2.0	772	<31

e Estimated.
E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

09306305 WHITE RIVER BELOW TAYLOR DRAW RESERVOIR, ABOVE RANGELY, CO--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					
05...	1415	e700	14.3	28	--
JUL					
31...	1305	269	21.1	16	12
AUG					
21...	1520	311	22.3	7	6.1

e Estimated.

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	26	e8.6	e6.6	e5.4	e14	e125	363	392	106	48	37
2	17	24	e9.7	e6.6	e4.9	e14	e131	421	412	101	62	33
3	17	23	e8.6	e6.6	e5.2	e14	e140	326	397	93	57	32
4	23	23	e8.6	e6.6	e5.7	e13	e152	227	333	89	67	30
5	24	23	e11	e6.2	e5.9	e15	e173	177	275	85	51	28
6	20	20	e8.6	e6.2	e6.2	e17	e183	154	259	80	48	27
7	19	17	e8.2	e6.2	e6.5	e17	e153	151	286	77	66	25
8	19	16	e9.3	e6.6	e6.5	e24	e116	176	328	77	83	24
9	20	e12	e9.0	e6.2	e6.4	e33	e77	219	324	82	99	23
10	22	e12	e7.0	e6.2	e6.8	e39	e81	265	312	73	94	23
11	45	e12	e5.8	e6.7	e7.2	e35	e76	357	285	67	90	22
12	62	e11	e9.0	e6.9	e7.2	e33	e55	418	258	64	89	21
13	37	e7.4	e9.0	e6.6	e7.2	e32	e46	422	224	67	78	21
14	28	e7.4	e9.0	e6.9	e6.7	e39	e43	529	181	100	105	21
15	25	e7.4	e7.4	e6.6	e5.7	e38	e41	711	150	75	88	22
16	23	e8.5	e6.2	e6.9	e5.9	e39	45	734	145	68	82	21
17	22	e8.1	e5.8	e6.7	e6.7	e39	69	773	150	60	71	20
18	22	e8.0	e3.9	e6.6	e8.1	e36	114	745	157	55	64	20
19	22	e6.6	e6.2	e6.6	e8.6	e39	157	504	158	52	58	21
20	21	e7.1	e7.0	e6.6	e8.3	e48	169	500	155	49	55	20
21	21	e7.5	e7.0	e6.7	e8.3	e66	136	455	149	54	52	19
22	20	e8.8	e7.0	e6.6	e8.5	e93	110	401	145	54	53	19
23	24	e9.0	e7.0	e7.1	e8.3	e116	92	454	139	49	47	18
24	29	e7.7	e6.6	e6.9	e8.3	e119	93	460	132	50	43	18
25	28	e9.2	e7.4	e6.6	e7.9	e125	118	477	130	45	40	18
26	26	e6.9	e6.2	e6.7	e8.6	e142	164	468	134	45	39	17
27	26	e9.2	e6.2	e6.6	e10	e162	203	493	124	42	38	17
28	48	e8.5	e5.8	e6.6	e13	e152	223	516	115	39	39	16
29	38	e8.5	e7.0	e6.7	---	e121	248	489	117	36	35	16
30	31	e9.6	e6.6	e6.6	---	e118	294	376	107	36	34	16
31	30	---	e6.6	e5.8	---	e121	---	368	---	43	39	---
TOTAL	828	364.4	231.3	204.0	204.0	1913	3827	13129	6473	2013	1914	665
MEAN	26.7	12.1	7.46	6.58	7.29	61.7	128	424	216	64.9	61.7	22.2
MAX	62	26	11	7.1	13	162	294	773	412	106	105	37
MIN	17	6.6	3.9	5.8	4.9	13	41	151	107	36	34	16
AC-FT	1640	723	459	405	405	3790	7590	26040	12840	3990	3800	1320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2001, BY WATER YEAR (WY)

MEAN	34.8	22.5	14.3	11.9	12.9	27.6	105	299	331	115	56.0	43.3
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1957 - 2001	
ANNUAL TOTAL	15133.1		31765.7			
ANNUAL MEAN	41.3		87.0		89.7	
HIGHEST ANNUAL MEAN					155	1985
LOWEST ANNUAL MEAN					31.5	1977
HIGHEST DAILY MEAN	252	May 24	773	May 17	1180	May 27 1993
LOWEST DAILY MEAN	e3.9	Dec 18	e3.9	Dec 18	3.4	Dec 26 1958
ANNUAL SEVEN-DAY MINIMUM	6.2	Dec 16	5.6	Jan 31	3.7	Dec 13 1958
MAXIMUM PEAK FLOW			991	May 17	a2260	Sep 14 1970
MAXIMUM PEAK STAGE			5.46	May 17	6.75	Sep 14 1970
ANNUAL RUNOFF (AC-FT)	30020		63010		64990	
10 PERCENT EXCEEDS	124		261		271	
50 PERCENT EXCEEDS	18		32		29	
90 PERCENT EXCEEDS	8.5		6.6		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.--Records fair except for estimated daily discharges, which are poor. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	131	69	50	44	55	347	1690	2140	400	233	114
2	45	115	70	50	47	53	417	1880	2250	411	241	102
3	45	108	65	50	48	53	426	1560	2210	373	168	91
4	50	104	63	e51	48	51	490	1080	2000	324	281	84
5	72	124	67	e51	50	57	531	857	1680	292	174	79
6	55	101	63	e51	e51	59	574	734	1580	270	242	75
7	50	84	63	e51	e51	60	426	706	1750	246	286	69
8	45	81	66	e51	e51	66	336	798	2010	233	278	66
9	50	81	66	51	e52	75	287	1010	2010	269	322	64
10	54	82	63	e51	52	80	294	1190	2040	239	280	62
11	130	84	59	e51	e52	73	258	1560	1770	200	281	59
12	335	79	62	51	e52	69	225	1910	1570	181	343	57
13	182	62	61	e51	51	69	208	2140	1280	163	280	60
14	114	64	59	e51	e50	83	228	2740	952	244	478	70
15	102	e64	55	e50	47	78	266	2790	771	189	407	70
16	94	64	48	e49	49	81	371	2900	737	170	327	67
17	85	66	43	48	51	81	526	2940	768	150	280	64
18	83	67	45	47	e52	74	738	2920	800	134	241	68
19	81	59	40	47	e52	78	888	2600	798	123	200	64
20	77	62	52	e48	e52	103	989	2600	769	117	183	61
21	76	65	52	48	e51	180	773	2480	718	110	175	55
22	75	72	53	48	e51	255	629	1980	688	147	178	53
23	88	70	54	e48	e51	253	541	2040	641	118	161	54
24	160	64	53	e48	e50	261	540	2140	591	116	136	54
25	139	69	e52	e47	48	304	612	2210	573	112	119	52
26	124	65	e51	46	52	338	802	2290	575	110	113	51
27	133	68	50	e47	54	334	1020	2370	582	107	101	50
28	292	68	51	47	57	302	1240	2480	482	95	111	47
29	242	68	50	e47	---	260	1350	2280	450	85	100	45
30	165	71	51	e46	---	249	1500	1970	425	80	93	44
31	152	---	51	45	---	286	---	2040	---	112	99	---
TOTAL	3443	2362	1747	1517	1416	4420	17832	60885	35610	5920	6911	1951
MEAN	111	78.7	56.4	48.9	50.6	143	594	1964	1187	191	223	65.0
MAX	335	131	70	51	57	338	1500	2940	2250	411	478	114
MIN	45	59	40	45	44	51	208	706	425	80	93	44
AC-FT	6830	4690	3470	3010	2810	8770	35370	120800	70630	11740	13710	3870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2001, BY WATER YEAR (WY)

MEAN	147	95.1	64.8	55.7	62.4	150	562	1294	1334	395	185	153
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1936 - 2001	
ANNUAL TOTAL	63884		144014			
ANNUAL MEAN	175		395		376	
HIGHEST ANNUAL MEAN					730	1941
LOWEST ANNUAL MEAN					115	1977
HIGHEST DAILY MEAN	1170	May 5	2940	May 17	4640	May 13 1941
LOWEST DAILY MEAN	19	Sep 18	40	Dec 19	9.7	Oct 5 1956
ANNUAL SEVEN-DAY MINIMUM	23	Sep 15	46	Jan 26	11	Oct 4 1956
MAXIMUM PEAK FLOW			3410	May 18	25000	Oct 5 1911
MAXIMUM PEAK STAGE			5.66	May 18	a17.80	Oct 5 1911
ANNUAL RUNOFF (AC-FT)	126700		285700		272000	
10 PERCENT EXCEEDS	569		1520		1160	
50 PERCENT EXCEEDS	63		95		110	
90 PERCENT EXCEEDS	34		50		44	

e Estimated.
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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	256	157	e135	e96	143	905	2070	2190	563	325	295
2	72	231	159	e134	e116	129	1090	2410	2280	600	369	232
3	62	206	155	e140	e123	131	1050	2160	2250	556	323	192
4	64	198	145	e140	e126	139	1050	1760	2100	494	514	175
5	87	211	147	e140	e130	152	1110	1520	1810	451	343	166
6	111	220	157	e140	e134	170	1470	1340	1680	407	370	155
7	94	173	146	e140	e138	192	1450	1270	1730	365	480	139
8	89	153	154	e139	e144	243	959	1270	1920	365	500	122
9	88	156	157	e139	e148	288	768	1480	2000	408	503	115
10	101	158	151	e140	168	303	743	1650	1980	404	509	115
11	136	177	141	e140	142	246	711	1870	1830	343	571	113
12	431	166	122	e140	145	217	677	2240	1700	302	664	106
13	397	179	140	e140	134	208	602	2380	1480	278	563	107
14	239	156	142	e140	136	264	616	2920	1250	349	751	186
15	184	138	132	e141	133	259	632	3090	1030	332	803	150
16	168	177	e133	e136	116	247	739	3140	939	296	573	132
17	159	157	133	e129	122	264	913	3100	942	258	510	123
18	153	148	e136	e125	125	238	1160	3240	974	247	e438	116
19	144	150	e136	e116	146	279	1420	2970	968	219	e382	116
20	141	134	e136	e112	168	381	1510	3050	950	211	e344	109
21	135	135	e134	e112	177	628	1450	2910	909	194	307	107
22	137	151	e133	e117	191	893	1200	2440	864	221	307	103
23	146	201	e137	e121	187	956	1050	2290	832	225	302	101
24	344	147	e137	e121	142	925	1140	2270	791	212	268	93
25	291	147	e136	e119	124	1010	1110	2300	757	206	235	85
26	228	141	e136	e117	123	1150	1250	2430	736	198	217	84
27	221	147	e135	e103	161	1050	1480	2490	809	198	204	81
28	337	150	e136	e115	167	980	1680	2650	683	175	198	75
29	505	153	e136	e117	---	814	1760	2570	620	155	215	76
30	328	156	e135	e115	---	692	1950	2150	603	144	206	75
31	257	---	e135	e103	---	811	---	2110	---	161	184	---
TOTAL	5924	5072	4369	3966	3962	14402	33645	71540	39607	9537	12478	3844
MEAN	191	169	141	128	142	465	1122	2308	1320	308	403	128
MAX	505	256	159	141	191	1150	1950	3240	2280	600	803	295
MIN	62	134	122	103	96	129	602	1270	603	144	184	75
AC-FT	11750	10060	8670	7870	7860	28570	66730	141900	78560	18920	24750	7620

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2001, BY WATER YEAR (WY)

MEAN	309	248	177	160	196	598	1076	1753	1786	644	348	293
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1971 - 2001	
ANNUAL TOTAL	96231		208346			
ANNUAL MEAN	263		571		a633	
HIGHEST ANNUAL MEAN					b1191	1985
LOWEST ANNUAL MEAN					b200	1977
HIGHEST DAILY MEAN	1350	May 6	3240	May 18	b6700	Mar 12 1985
LOWEST DAILY MEAN	40	Aug 7	62	Oct 3	c28	Sep 14 1974
ANNUAL SEVEN-DAY MINIMUM	43	Aug 5	81	Oct 1	39	Sep 14 1978
MAXIMUM PEAK FLOW			3620	May 18	d8590	Mar 6 1995
MAXIMUM PEAK STAGE			5.45	May 18	f8.10	Mar 6 1995
ANNUAL RUNOFF (AC-FT)	190900		413300		458700	
10 PERCENT EXCEEDS	677		1740		1700	
50 PERCENT EXCEEDS	147		206		285	
90 PERCENT EXCEEDS	70		116		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	153	85	69	e67	82	803	1830	1740	335	159	120
2	53	139	86	69	e67	78	977	2010	1810	311	186	124
3	50	131	85	69	e67	78	907	1820	1890	307	169	117
4	55	128	80	69	e67	79	1040	1500	1820	286	240	103
5	61	138	79	69	e67	84	1110	1290	1520	259	227	95
6	68	131	82	67	e68	91	1130	1130	1190	263	258	93
7	62	104	81	e69	e68	105	992	1060	1210	224	267	87
8	62	97	89	69	e68	155	780	1110	1270	209	245	80
9	63	101	94	68	e68	152	654	1310	1310	195	275	74
10	78	106	90	e68	e68	169	715	1370	1320	194	254	70
11	112	106	89	67	e68	152	637	1530	1230	172	282	67
12	269	100	84	66	e68	139	572	1730	1140	160	259	64
13	230	84	87	e66	68	144	515	1870	1000	151	276	69
14	162	76	86	e66	e68	165	519	2210	811	145	353	81
15	135	83	81	e66	68	153	603	2240	675	138	507	86
16	120	77	70	e66	67	156	785	2320	626	138	367	80
17	113	63	67	e66	70	164	984	2180	618	124	303	81
18	104	77	71	e66	76	147	1210	2070	634	115	249	81
19	104	84	72	e66	78	159	1450	2030	633	109	213	82
20	105	84	e77	e66	78	201	1610	2040	611	109	193	76
21	103	87	e77	e66	76	301	1490	2030	591	104	178	74
22	104	89	e77	e65	79	449	1210	1790	567	107	183	74
23	117	105	e77	e66	79	504	1010	1760	532	104	182	71
24	178	95	e76	e66	76	491	903	1670	485	104	161	66
25	183	89	e75	e66	71	570	973	1600	457	98	142	61
26	158	84	e74	e66	73	714	1220	1800	446	96	129	60
27	146	84	73	e66	87	718	1400	1870	484	98	119	58
28	213	88	72	e66	89	696	1630	1970	413	90	114	58
29	254	84	e71	e66	---	645	1690	1830	372	85	114	56
30	190	85	71	e66	---	549	1750	1300	368	82	107	57
31	168	---	70	e66	---	655	---	1510	---	82	103	---
TOTAL	3877	2952	2448	2072	2014	8945	31269	53780	27773	4994	6814	2365
MEAN	125	98.4	79.0	66.8	71.9	289	1042	1735	926	161	220	78.8
MAX	269	153	94	69	89	718	1750	2320	1890	335	507	124
MIN	50	63	67	65	67	78	515	1060	368	82	103	56
AC-FT	7690	5860	4860	4110	3990	17740	62020	106700	55090	9910	13520	4690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2001, BY WATER YEAR (WY)

MEAN	178	129	91.6	75.8	93.8	326	882	1310	1046	345	230	215
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1963 - 2001	
ANNUAL TOTAL	81245		149303			
ANNUAL MEAN	222		409		411	
HIGHEST ANNUAL MEAN					822	1979
LOWEST ANNUAL MEAN					94.0	1977
HIGHEST DAILY MEAN	1370	May 5	2320	May 16	5360	Sep 6 1970
LOWEST DAILY MEAN	31	Aug 9	50	Oct 3	19	Nov 29 1989
ANNUAL SEVEN-DAY MINIMUM	34	Aug 7	58	Oct 1	26	Dec 11 1989
MAXIMUM PEAK FLOW			2500	May 16	a8370	Sep 6 1970
MAXIMUM PEAK STAGE			4.22	May 16	b6.38	Sep 6 1970
ANNUAL RUNOFF (AC-FT)	161100		296100		297600	
10 PERCENT EXCEEDS	773		1380		1200	
50 PERCENT EXCEEDS	84		115		151	
90 PERCENT EXCEEDS	50		66		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$^{1}/_{4}$NW$^{1}/_{4}$ 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}.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1962 to current year.

REVISED RECORDS.--WDR CO-00-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and concrete control. Datum of gage is 7,906.08 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods occurred in October 1911 and June 1927.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	80	e31	e21	e14	18	57	434	962	284	285	76
2	49	75	e31	e21	e17	18	68	496	935	317	216	71
3	46	74	e29	e21	e19	18	66	365	823	291	244	69
4	48	71	e26	e21	19	18	73	260	687	267	219	66
5	54	72	e28	e21	19	18	78	208	562	264	185	62
6	50	e61	e27	e21	19	18	74	183	628	289	187	60
7	47	e58	e29	e21	19	18	66	182	694	252	202	54
8	47	e57	30	e21	19	19	61	233	703	230	259	51
9	49	e58	30	e21	e19	19	57	295	745	239	342	48
10	54	e58	29	e20	e19	19	54	345	816	207	243	44
11	81	e56	30	e20	19	19	51	504	732	201	209	42
12	98	e55	30	e21	19	19	49	729	643	182	198	40
13	86	e49	29	e20	19	20	46	934	467	178	220	52
14	80	e49	e27	e20	19	21	48	1120	322	196	417	58
15	78	e48	e24	e20	e19	21	52	1180	282	191	308	49
16	77	e48	e22	e20	e19	20	67	1110	347	158	223	47
17	77	e47	e19	e19	e19	20	90	991	412	143	180	46
18	79	e50	e21	e18	19	20	131	801	427	128	152	49
19	81	e41	e21	e17	19	21	168	789	427	125	136	44
20	78	e39	e24	e17	18	24	171	738	408	122	126	41
21	77	e40	e24	e18	18	32	145	783	388	119	125	39
22	75	42	e24	e18	18	39	119	639	390	114	128	38
23	80	40	e24	e17	18	38	102	720	371	111	132	36
24	85	e36	e23	e16	18	39	102	894	352	124	117	35
25	82	e36	e23	e17	18	43	126	941	357	116	104	34
26	82	e36	e22	e17	18	49	184	950	356	126	95	33
27	83	36	e21	e16	18	47	261	1100	329	122	90	32
28	93	34	e21	e15	18	47	341	1150	292	113	90	31
29	89	34	e21	e16	---	46	305	885	283	103	89	30
30	85	34	e22	e16	---	45	331	771	269	99	82	30
31	82	---	e21	e16	---	48	---	874	---	298	81	---
TOTAL	2225	1514	783	583	516	861	3543	21604	15409	5709	5684	1407
MEAN	71.8	50.5	25.3	18.8	18.4	27.8	118	697	514	184	183	46.9
MAX	98	80	31	21	19	49	341	1180	962	317	417	76
MIN	46	34	19	15	14	18	46	182	269	99	81	30
AC-FT	4410	3000	1550	1160	1020	1710	7030	42850	30560	11320	11270	2790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2001, BY WATER YEAR (WY)

MEAN	79.5	44.9	27.7	21.1	20.2	34.7	112	408	525	247	140	116
MAX	280	104	52.0	42.5	44.5	80.8	226	697	927	596	442	455
(WY)	1973	1987	1986	1986	1986	1989	1989	2001	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1963 - 2001	
ANNUAL TOTAL	35160		59838			
ANNUAL MEAN	96.1		164		148	
HIGHEST ANNUAL MEAN					226	1973
LOWEST ANNUAL MEAN					63.3	1977
HIGHEST DAILY MEAN	929	May 24	1180	May 15	3020	Sep 6 1970
LOWEST DAILY MEAN	e10	Jan 29	e14	Feb 1	6.7	Dec 28 1976
ANNUAL SEVEN-DAY MINIMUM	12	Jan 18	16	Jan 26	7.4	Dec 23 1976
MAXIMUM PEAK FLOW			1750	May 27	a7050	Sep 6 1970
MAXIMUM PEAK STAGE			2.84	May 27	b6.51	Sep 6 1970
ANNUAL RUNOFF (AC-FT)	69740		118700		107500	
10 PERCENT EXCEEDS	279		430		419	
50 PERCENT EXCEEDS	49		57		62	
90 PERCENT EXCEEDS	13		19		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, 6.51 ft, from water-stage recorder, 6.76 ft, from floodmarks.

09352900 VALLECITO CREEK NEAR BAYFIELD, CO--Continued
(Hydrologic Benchmark Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Chemical analyses: October 1963 to September 1968, October 1969 to September 1996, April to September 2001.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: November 1962 to September 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	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)
APR													
12...	1030	49	71	7.6	.8	10.8	9.92	2.03	1.1	.62	23	8.0	.3
MAY													
17...	1530	764	55	7.2	5.5	9.8	6.97	1.51	.5	.43	18	6.3	.2
JUN													
14...	1100	320	49	7.0	2.9	10.9	6.21	1.48	.5	.36	15	6.1	.2
JUL													
17...	1200	142	46	6.1	8.9	9.4	5.26	1.42	.5	.36	14	8.6	.1
AUG													
16...	1030	231	59	7.4	7.8	9.7	7.64	1.71	.6	.42	20	7.3	.1
SEP													
18...	0945	50	71	7.1	7.4	9.3	8.65	1.98	.8	.51	23	9.6	.2

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	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)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
APR													
12...	4.1	.132	.005	E.06	<.10	E.002	<.006	<.007	1.2	--	--	--	--
MAY													
17...	3.1	.115	.005	.10	E.06	.011	<.006	<.007	2.0	78	30	23.4	3
JUN													
14...	2.9	.100	<.002	E.05	<.10	.004	<.006	<.007	.86	42	<10	20.6	3
JUL													
17...	2.6	.073	.003	E.04	<.10	E.002	<.006	<.007	.66	58	<10	19.9	3
AUG													
16...	3.2	.079	<.002	E.05	E.07	E.004	<.006	<.007	1.9	52	<10	15.9	2
SEP													
18...	3.6	.078	<.002	<.08	<.10	<.004	<.006	<.007	.60	28	<10	10.0	2

E Estimated laboratory analysis value.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
11...	1115	77	64	5.0	18...	1215	713	55	5.0
NOV									
16...	1315	52	66	0					

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.

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. WDR CO-00-2: Drainage area.

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, 123,610 acre-ft, June 26, elevation, 7,664.33 ft; minimum, 26,840 acre-ft, Oct. 9, elevation, 7,618.26 ft.

MONTHEND ELEVATION AND CONTENTS, AT 0900, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	7,620.46	29,740	-
Oct. 31	7,622.67	32,870	+3,130
Nov. 30	7,626.51	38,820	+5,950
Dec. 31	7,628.75	42,580	+3,760
CAL YR 2000	-	-	-26,980
Jan. 31	7,630.51	45,680	+3,100
Feb. 28	7,632.06	48,490	+2,810
Mar. 31	7,630.48	45,620	-2,870
Apr. 30	7,631.27	47,040	+1,420
May 31	7,659.14	109,850	+62,810
June 30	7,664.10	122,990	+13,140
July 31	7,656.59	103,290	-19,700
Aug. 31	7,651.14	89,720	-13,570
Sept. 30	7,639.69	63,620	-26,100
WTR YR 2001	-	-	+33,880

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 current year.

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	31	24	e22	e23	27	405	343	49	20	46	13
2	7.0	30	24	e22	e23	27	419	415	45	27	89	10
3	7.6	29	24	e22	e23	27	415	565	46	24	74	9.4
4	12	29	24	e22	e23	28	358	638	97	24	70	10
5	17	32	24	e22	e22	29	414	739	462	24	47	14
6	16	30	23	e22	e20	31	464	712	529	28	39	16
7	20	24	23	e22	18	37	435	684	539	29	33	15
8	25	22	24	e22	23	49	409	607	445	30	55	15
9	19	21	27	e22	28	48	344	569	414	29	44	14
10	40	21	25	e22	26	56	276	498	801	29	36	18
11	50	22	26	20	25	51	393	455	975	36	30	18
12	45	22	24	22	22	48	385	419	1040	26	30	19
13	43	22	24	e22	22	48	488	413	761	27	39	27
14	49	23	24	e21	24	49	770	383	328	31	71	31
15	47	19	e23	e22	21	53	768	341	39	30	48	27
16	47	23	e21	e22	22	46	778	289	59	29	29	20
17	43	30	e20	e22	22	50	805	193	99	25	28	24
18	34	29	e20	e22	24	45	768	122	296	17	22	31
19	33	26	e20	e22	25	110	775	105	166	15	18	29
20	30	26	e21	e22	25	391	788	111	54	18	24	19
21	28	24	e21	e22	25	439	783	101	54	20	27	18
22	29	23	e22	e22	26	502	774	83	55	16	28	19
23	33	27	e22	e22	27	477	749	67	40	22	27	19
24	40	25	e22	e22	27	488	448	52	27	28	27	13
25	35	24	e22	e23	26	383	414	41	25	30	25	13
26	33	24	e22	e23	27	391	420	45	32	23	19	13
27	33	24	e22	e23	28	390	422	47	32	19	20	12
28	45	25	e22	e23	29	373	427	48	26	15	18	6.7
29	40	24	e22	e23	---	387	428	47	26	17	19	9.4
30	36	24	e22	e23	---	363	411	46	20	18	33	10
31	35	---	e22	e23	---	396	---	49	---	24	14	---
TOTAL	979.3	755	706	686	676	5839	15933	9227	7581	750	1129	512.5
MEAN	31.6	25.2	22.8	22.1	24.1	188	531	298	253	24.2	36.4	17.1
MAX	50	32	27	23	29	502	805	739	1040	36	89	31
MIN	7.0	19	20	20	18	27	276	41	20	15	14	6.7
AC-FT	1940	1500	1400	1360	1340	11580	31600	18300	15040	1490	2240	1020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	75.9	23.3	25.5	26.9	30.6	120	311	168	134	15.9	22.9	12.7
MAX	120	25.2	28.3	31.7	36.9	188	531	298	253	24.2	36.4	17.1
(WY)	2000	2001	2000	2000	2000	2001	2001	2001	2001	2001	2001	2001
MIN	31.6	21.5	22.8	22.1	24.1	51.1	91.7	37.8	15.2	7.68	9.33	8.28
(WY)	2001	2000	2001	2001	2001	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 2000 - 2001	
ANNUAL TOTAL	11231.1		44773.8			
ANNUAL MEAN	30.7		123		80.4	
HIGHEST ANNUAL MEAN					123	2001
LOWEST ANNUAL MEAN					38.3	2000
HIGHEST DAILY MEAN	189	Apr 29	1040	Jun 12	1040	Jun 12 2001
LOWEST DAILY MEAN	2.1	Aug 4	6.7	Sep 28	2.1	Aug 4 2000
ANNUAL SEVEN-DAY MINIMUM	2.8	Aug 1	11	Sep 24	2.8	Aug 1 2000
MAXIMUM PEAK FLOW			1100	Jun 12	1100	Jun 12 2001
MAXIMUM PEAK STAGE			4.95	Jun 12	4.95	Jun 12 2001
ANNUAL RUNOFF (AC-FT)	22280		88810		58280	
10 PERCENT EXCEEDS	70		427		189	
50 PERCENT EXCEEDS	25		27		28	
90 PERCENT EXCEEDS	4.9		19		9.4	

e Estimated.

09354500 LOS PINOS RIVER AT LA BOCA, CO

LOCATION.--Lat 37°00'34", long 107°35'56", in NE$^1/_4$NW$^1/_4$ 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.

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.

REVISED RECORDS.--WDR CO-00-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,127.21 ft above sea level.

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	71	40	e55	e66	84	473	437	159	167	194	180
2	50	62	39	e55	e66	74	505	471	163	209	227	158
3	47	62	40	e55	e65	71	502	664	168	181	216	158
4	57	58	38	e55	e65	78	467	717	190	173	235	150
5	71	69	40	e55	e64	96	486	807	533	170	190	154
6	60	63	39	e55	e52	129	604	759	645	164	177	152
7	59	54	38	e55	e70	208	597	734	656	162	224	153
8	68	44	40	e55	89	443	494	658	597	161	263	149
9	77	42	56	e55	e88	387	423	620	519	168	272	150
10	90	41	52	e55	e78	336	319	566	856	193	239	156
11	134	47	49	e55	e71	200	441	529	1030	225	232	155
12	143	45	43	e54	e59	185	430	513	1070	175	272	155
13	99	44	43	e54	e57	214	486	501	917	173	320	177
14	91	47	39	e56	e64	247	782	475	547	176	441	224
15	77	43	39	e56	e56	206	790	420	182	199	301	189
16	75	37	37	e58	e56	182	808	368	200	234	233	179
17	77	48	45	e58	e54	199	836	292	204	183	228	198
18	60	51	44	e57	58	191	823	218	424	182	197	196
19	60	52	44	e57	59	237	833	195	336	167	184	185
20	55	51	54	e57	68	595	844	224	186	171	184	163
21	55	48	e54	e58	85	697	835	205	184	176	185	158
22	55	43	e55	e61	104	777	807	174	190	173	185	155
23	73	68	e55	e63	96	714	764	152	180	173	182	154
24	137	79	e55	e65	73	704	524	144	174	164	164	145
25	105	59	e54	e65	61	585	469	131	166	161	160	143
26	77	48	e54	e65	59	582	486	145	187	169	151	139
27	69	46	e54	e65	92	552	494	153	195	168	150	139
28	129	45	e54	e64	101	511	507	159	172	156	147	128
29	115	43	e54	e64	---	513	514	161	173	154	152	133
30	84	42	e54	e65	---	461	493	163	167	161	186	133
31	78	---	e54	e66	---	461	---	160	---	180	181	---
TOTAL	2483	1552	1456	1813	1976	10919	17836	11915	11370	5468	6672	4808
MEAN	80.1	51.7	47.0	58.5	70.6	352	595	384	379	176	215	160
MAX	143	79	56	66	104	777	844	807	1070	234	441	224
MIN	47	37	37	54	52	71	319	131	159	154	147	128
AC-FT	4930	3080	2890	3600	3920	21660	35380	23630	22550	10850	13230	9540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

MEAN	196	135	103	75.1	97.3	222	349	432	509	303	241	217
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1951 - 2001	
ANNUAL TOTAL	35376		78268			
ANNUAL MEAN	96.7		214		244	
HIGHEST ANNUAL MEAN					582	1973
LOWEST ANNUAL MEAN					77.4	1959
HIGHEST DAILY MEAN	362	Aug 19	1070	Jun 12	4560	Jul 27 1957
LOWEST DAILY MEAN	e30	Jan 4	37	Nov 16	6.1	May 1 1977
ANNUAL SEVEN-DAY MINIMUM	33	Jan 17	39	Dec 1	8.3	Apr 30 1977
MAXIMUM PEAK FLOW			1100	Jun 12	a6400	Jul 27 1957
MAXIMUM PEAK STAGE			5.67	Jun 12	b8.95	Jul 27 1957
ANNUAL RUNOFF (AC-FT)	70170		155200		176500	
10 PERCENT EXCEEDS	162		539		550	
50 PERCENT EXCEEDS	95		155		134	
90 PERCENT EXCEEDS	40		51		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 RECORDS.--WDR CO-00-2: Drainage area.

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, 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	5.9	7.9	e5.4	e17	18	14	6.5	35	62	90	70
2	34	5.6	8.1	e5.4	e17	17	17	24	40	75	70	55
3	33	5.3	8.0	e5.4	e17	17	17	9.2	43	62	71	51
4	37	5.3	8.1	e5.4	e17	20	16	18	41	63	98	50
5	44	7.5	8.6	e5.4	e12	24	16	13	42	64	62	51
6	39	6.5	8.1	e5.6	e3.1	26	30	14	44	57	63	52
7	37	5.5	8.9	e5.8	e22	26	26	13	50	58	65	59
8	37	5.3	7.4	e5.8	e39	51	12	10	47	61	82	51
9	36	5.3	9.5	e5.8	e34	26	8.4	15	49	65	75	55
10	43	5.2	11	e5.8	e27	26	7.5	17	49	70	69	54
11	27	6.1	8.9	e5.8	e21	31	7.3	22	51	79	80	52
12	28	6.3	8.4	e4.8	e8.2	35	6.1	22	53	58	92	55
13	12	10	8.0	e4.5	e8.5	28	5.4	28	49	55	131	62
14	e8.4	8.8	8.0	e5.9	e12	20	5.0	27	51	54	104	70
15	e6.6	9.5	8.2	e6.7	e7.4	15	5.1	28	48	59	78	58
16	e5.5	9.0	e6.7	e7.8	e6.5	13	5.4	30	50	60	64	52
17	e4.8	11	e5.2	e8.7	e6.5	15	6.7	30	55	55	66	60
18	e4.7	14	e4.5	e8.3	e8.0	18	7.9	31	60	58	65	57
19	e4.6	15	e4.2	e8.1	e14	16	9.0	34	22	51	66	53
20	e4.6	16	e2.4	e8.2	18	17	9.9	44	32	48	65	55
21	4.7	17	e2.3	e8.3	45	20	9.9	37	51	52	60	54
22	5.4	15	e2.5	e11	36	23	11	36	49	51	64	50
23	11	12	e3.8	e14	23	21	10	35	53	51	65	47
24	37	17	e4.3	e15	14	20	8.6	35	58	52	66	46
25	14	13	e4.9	e16	11	19	8.2	35	55	44	65	43
26	8.1	10	e4.6	e16	14	21	7.8	37	63	52	59	37
27	6.5	8.7	e4.3	e16	38	18	7.6	40	73	55	60	40
28	15	8.3	e4.3	e15	33	17	8.1	42	53	52	60	42
29	13	8.1	e4.3	e15	---	15	7.7	39	53	46	66	43
30	7.2	7.9	e4.3	e15	---	13	6.9	38	54	51	95	43
31	6.4	---	e5.2	e17	---	13	---	37	---	61	82	---
TOTAL	606.5	280.1	194.9	282.9	529.2	659	317.5	846.7	1473	1781	2298	1567
MEAN	19.6	9.34	6.29	9.13	18.9	21.3	10.6	27.3	49.1	57.5	74.1	52.2
MAX	44	17	11	17	45	51	30	44	73	79	131	70
MIN	4.6	5.2	2.3	4.5	3.1	13	5.0	6.5	22	44	59	37
AC-FT	1200	556	387	561	1050	1310	630	1680	2920	3530	4560	3110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

MEAN	34.9	10.6	5.49	4.84	10.0	18.4	13.2	38.9	57.5	67.6	66.6	58.5
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1951 - 2001	
ANNUAL TOTAL	8927.74		10835.8			
ANNUAL MEAN	24.4		29.7		32.6	
HIGHEST ANNUAL MEAN					47.7	1987
LOWEST ANNUAL MEAN					15.6	1977
HIGHEST DAILY MEAN	217	Aug 19	131	Aug 13	918	Mar 6 1995
LOWEST DAILY MEAN	.87	Mar 30	e2.3	Dec 21	.87	Mar 30 2000
ANNUAL SEVEN-DAY MINIMUM	1.2	Feb 27	3.4	Dec 18	1.0	Dec 7 1959
MAXIMUM PEAK FLOW			263	Aug 13	a1980	Sep 6 1970
MAXIMUM PEAK STAGE			2.80	Aug 13	b4.62	Sep 6 1970
ANNUAL RUNOFF (AC-FT)	17710		21490		23620	
10 PERCENT EXCEEDS	54		62		71	
50 PERCENT EXCEEDS	13		20		23	
90 PERCENT EXCEEDS	2.0		5.4		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 $SE^1/_4NW^1/_4$ 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 fair 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	57	e34	e29	e24	e20	e41	257	707	292	118	59
2	54	55	e32	e31	e24	e21	e46	301	724	300	143	57
3	53	53	e32	e33	e25	e22	e47	254	698	293	119	53
4	54	52	e33	e34	e23	e23	e50	190	619	270	109	51
5	58	e53	e31	e33	e22	e19	e52	152	510	263	103	50
6	55	e46	e31	e33	e21	e19	e50	128	557	266	103	48
7	52	e45	e31	e31	e23	e18	e44	121	615	253	110	46
8	56	e42	e31	e29	e22	e17	e45	147	589	237	118	45
9	56	e43	e31	e32	e21	e18	e43	184	639	233	118	43
10	57	e42	e31	e32	e20	e18	e43	200	711	211	108	41
11	65	e41	e32	e32	e19	e18	e44	248	682	194	100	41
12	77	e41	e31	e32	e21	e18	e43	335	605	194	92	40
13	73	e43	e31	e31	e22	e18	e45	418	485	203	92	40
14	64	e42	e31	e29	e20	e19	e45	515	345	185	121	43
15	61	e40	e32	e27	e23	e20	e52	561	289	174	106	40
16	61	e38	e32	e31	e23	e20	e61	588	322	152	97	40
17	60	e37	e31	e31	e22	e20	e71	575	386	135	89	45
18	60	e38	e30	e31	e23	e20	e105	512	427	119	81	45
19	62	e35	e30	e31	e22	e21	e134	517	450	112	78	41
20	63	e34	e32	e31	e21	e25	e125	476	441	107	81	40
21	61	e34	e32	e28	e20	e29	e91	487	434	105	87	38
22	61	e35	e32	e25	e19	e32	e81	414	434	97	96	38
23	68	e35	e30	e26	e20	e33	e76	451	402	93	95	37
24	69	e35	e29	e27	e20	e33	e78	532	398	97	84	36
25	65	e34	e31	e28	e21	e38	e108	548	388	97	78	36
26	59	e34	e32	e27	e21	e40	e142	513	363	114	72	36
27	60	e33	e34	e27	e20	e37	e188	595	329	103	68	35
28	66	e33	e35	e26	e20	e35	e193	641	311	93	66	34
29	67	e34	e33	e26	---	e33	e174	573	328	85	64	34
30	63	e33	e33	e26	---	e33	e190	540	313	84	62	34
31	65	---	e29	e25	---	e34	---	612	---	105	60	---
TOTAL	1901	1217	979	914	602	771	2507	12585	14501	5266	2918	1266
MEAN	61.3	40.6	31.6	29.5	21.5	24.9	83.6	406	483	170	94.1	42.2
MAX	77	57	35	34	25	40	193	641	724	300	143	59
MIN	52	33	29	25	19	17	41	121	289	84	60	34
AC-FT	3770	2410	1940	1810	1190	1530	4970	24960	28760	10450	5790	2510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

MEAN	64.9	39.6	30.3	26.1	24.3	28.8	63.0	322	555	294	128	80.2
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	42.2
(WY)	1993	2000	1992	1992	1992	1992	1993	1995	2000	2000	1996	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1992 - 2001	
ANNUAL TOTAL	38645		45427			
ANNUAL MEAN	106		124		138	
HIGHEST ANNUAL MEAN					194	1995
LOWEST ANNUAL MEAN					103	2000
HIGHEST DAILY MEAN	839	May 30	724	Jun 2	1180	Jun 4 1997
LOWEST DAILY MEAN	e14	Jan 30	e17	Mar 8	9.7	Oct 30 1999
ANNUAL SEVEN-DAY MINIMUM	17	Jan 27	18	Mar 7	13	Jan 16 1992
MAXIMUM PEAK FLOW			935	Jun 1	1470	Jun 4 1997
MAXIMUM PEAK STAGE			3.78	Jun 1	a,b3.99	Jun 4 1997
ANNUAL RUNOFF (AC-FT)	76650		90100		100300	
10 PERCENT EXCEEDS	291		416		404	
50 PERCENT EXCEEDS	54		50		52	
90 PERCENT EXCEEDS	18		22		21	

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 fair 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	17	e20	12	e12	12	18	96	187	56	28	20
2	16	17	e19	12	e12	12	19	98	199	54	27	20
3	16	17	e19	12	e12	12	18	67	190	52	25	19
4	17	17	e21	12	e12	12	20	46	152	48	25	19
5	18	17	e18	12	e11	12	20	37	123	47	24	19
6	17	17	e18	12	e11	12	18	34	126	46	29	19
7	16	e17	e18	e15	12	12	16	39	133	44	29	18
8	17	e22	e16	e15	11	12	16	50	125	42	27	18
9	17	e21	13	e15	11	12	15	58	134	40	26	18
10	17	e19	13	e15	12	12	15	61	149	38	26	18
11	20	e19	12	e15	12	12	15	85	144	37	25	18
12	21	e18	13	e13	12	12	15	116	130	40	24	17
13	20	e23	13	e12	12	12	15	140	103	39	25	17
14	18	e21	12	e12	12	12	15	167	77	40	26	18
15	18	e19	13	e14	12	12	16	182	62	36	25	17
16	18	e19	e14	e14	12	12	20	195	67	33	23	17
17	17	e20	e14	e14	12	12	29	183	77	30	22	19
18	17	e20	e13	e14	12	12	37	163	86	27	22	18
19	17	e19	e12	e14	12	13	38	e169	88	26	22	17
20	17	e19	12	e13	12	14	33	e155	88	25	24	17
21	17	e19	12	e12	12	15	26	e164	85	25	24	17
22	17	e20	12	e13	12	16	22	153	82	24	27	16
23	18	e20	12	e13	12	15	20	170	74	23	25	16
24	18	e20	12	e14	12	15	22	e197	71	24	23	16
25	18	e19	12	e13	12	17	29	e209	68	24	22	16
26	17	e19	12	e13	12	17	42	e194	64	27	22	16
27	17	e19	12	e13	12	15	55	e203	58	24	22	16
28	18	e19	12	e13	12	15	53	e220	57	23	21	16
29	18	e19	12	e13	---	14	59	176	58	22	21	15
30	18	e19	12	e12	---	14	72	155	55	22	21	15
31	18	---	12	e12	---	15	---	169	---	25	20	---
TOTAL	544	571	435	408	332	411	808	4151	3112	1063	752	522
MEAN	17.5	19.0	14.0	13.2	11.9	13.3	26.9	134	104	34.3	24.3	17.4
MAX	21	23	21	15	12	17	72	220	199	56	29	20
MIN	16	17	12	12	11	12	15	34	55	22	20	15
MED	17	19	13	13	12	12	20	155	87	33	24	17
AC-FT	1080	1130	863	809	659	815	1600	8230	6170	2110	1490	1040

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

MEAN	19.3	16.6	13.8	12.8	12.9	15.9	29.0	107	140	62.1	28.8	22.3
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	17.4
(WY)	1992	1992	1992	1992	1993	2000	1998	1995	2000	2000	2000	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1992 - 2001	
ANNUAL TOTAL	11232.8		13109			
ANNUAL MEAN	30.7		35.9		40.1	
HIGHEST ANNUAL MEAN					56.3	1995
LOWEST ANNUAL MEAN					30.4	2000
HIGHEST DAILY MEAN	202	May 24	e220	May 28	385	Jun 16 1995
LOWEST DAILY MEAN	e7.6	Jan 31	e11	Feb 5	e7.5	Jan 2 1992
ANNUAL SEVEN-DAY MINIMUM	9.0	Jan 26	11	Feb 3	8.4	Dec 30 1991
MAXIMUM PEAK FLOW			a259	May 20	471	Jun 14 1995
MAXIMUM PEAK STAGE			a2.14	May 20	2.85	Jun 14 1995
ANNUAL RUNOFF (AC-FT)	22280		26000		29080	
10 PERCENT EXCEEDS	83		88		105	
50 PERCENT EXCEEDS	18		18		19	
90 PERCENT EXCEEDS	10		12		12	

e Estimated.
a May have been higher during periods of estimated record May 19-21, 24-28.

09359010 MINERAL CREEK AT SILVERTON, CO

LOCATION.--Lat 37°48'10", long 107°40'20", in $NW^{1}/_{4}NE^{1}/_{4}$ 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 good 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	37	e32	e26	e22	e17	25	234	708	268	166	51
2	38	36	e28	e28	e22	e18	28	244	719	278	143	52
3	36	35	e26	e29	e22	e18	28	194	676	267	124	50
4	36	34	e34	e28	e21	e19	30	139	534	251	128	47
5	41	34	e28	e27	e19	e16	31	110	433	249	111	46
6	38	e33	e28	e27	e21	e16	30	95	508	244	140	44
7	36	e32	e26	e24	e20	e16	26	100	554	233	148	42
8	38	e31	e25	e21	e18	e16	24	128	512	219	138	41
9	38	e33	e25	e24	e18	e16	25	160	599	210	133	38
10	39	e32	e26	e25	e18	e16	23	177	685	192	136	37
11	53	e31	e29	e26	e19	e17	23	219	637	195	124	36
12	62	e32	e26	e25	e21	e17	22	287	536	191	108	36
13	53	e36	e25	e25	e19	19	23	359	401	165	103	36
14	46	e35	e25	e23	e22	16	23	484	272	164	115	38
15	45	e33	e28	e22	e22	12	24	526	234	156	101	36
16	44	e31	e29	e25	e21	10	30	551	269	139	89	37
17	42	e31	e30	e25	e20	20	44	528	344	118	82	43
18	42	e31	e26	e25	e20	14	62	480	388	105	74	42
19	42	e30	e26	e25	e18	13	74	489	405	100	69	38
20	40	e30	e30	e26	e19	16	71	482	388	97	77	36
21	39	e30	e31	e23	e16	20	56	471	386	97	86	35
22	39	e28	e29	e21	e16	23	47	401	390	89	99	34
23	42	e28	e27	e23	e17	23	41	463	359	84	96	33
24	42	e28	e25	e23	e18	22	42	582	340	85	82	32
25	41	e27	e26	e25	e18	24	56	574	323	78	73	32
26	38	e27	e27	e24	e17	26	82	555	316	85	66	31
27	39	e26	e30	e25	e17	24	122	670	290	78	61	31
28	42	e27	e31	e24	e16	23	159	702	280	71	59	30
29	40	e27	e30	e23	---	22	160	581	297	66	55	30
30	39	e28	e27	e23	---	22	191	515	274	65	55	30
31	39	---	e24	e23	---	22	---	632	---	92	52	---
TOTAL	1289	933	859	763	537	573	1622	12132	13057	4731	3093	1144
MEAN	41.6	31.1	27.7	24.6	19.2	18.5	54.1	391	435	153	99.8	38.1
MAX	62	37	34	29	22	26	191	702	719	278	166	52
MIN	36	26	24	21	16	10	22	95	234	65	52	30
AC-FT	2560	1850	1700	1510	1070	1140	3220	24060	25900	9380	6130	2270

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

MEAN	50.6	33.7	26.3	21.9	20.5	24.6	52.7	255	429	244	124	75.9
MAX	96.4	46.9	34.3	27.1	29.5	36.1	77.4	391	635	540	260	147
(WY)	1998	1998	2000	1995	1995	1995	2000	2001	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	38.1
(WY)	1992	1992	1992	1992	1992	1992	1998	1995	2000	2000	2000	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1992 - 2001	
ANNUAL TOTAL	28034		40733			
ANNUAL MEAN	76.6		112		114	
HIGHEST ANNUAL MEAN					147	1999
LOWEST ANNUAL MEAN					78.2	2000
HIGHEST DAILY MEAN	653	May 29	719	Jun 2	964	Jun 4 1997
LOWEST DAILY MEAN	e17	Jan 30	10	Mar 16	10	Mar 16 2001
ANNUAL SEVEN-DAY MINIMUM	20	Jan 28	14	Mar 14	13	Jan 12 1992
MAXIMUM PEAK FLOW			942	Jun 1	1670	Jun 15 1995
MAXIMUM PEAK STAGE			2.83	Jun 1	3.41	Jun 15 1995
ANNUAL RUNOFF (AC-FT)	55610		80790		82230	
10 PERCENT EXCEEDS	198		370		323	
50 PERCENT EXCEEDS	36		36		41	
90 PERCENT EXCEEDS	21		20		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	117	74	e68	e62	40	85	559	1740	713	332	135
2	117	109	71	e72	e62	44	101	638	1770	721	335	133
3	113	108	71	e75	e63	46	100	493	1630	706	279	125
4	115	106	79	e75	e59	48	115	363	1290	666	273	119
5	123	e104	71	e74	e54	38	119	313	1010	647	242	116
6	117	e96	69	e73	e56	37	100	278	1140	648	284	112
7	112	e94	70	e70	e54	40	76	277	1280	617	297	105
8	118	e92	63	e65	50	41	69	330	1180	583	295	99
9	118	92	63	e69	e48	43	63	381	1320	565	285	94
10	122	91	63	e70	e48	43	62	413	1520	516	280	93
11	144	e89	69	e72	40	43	58	520	1450	492	258	90
12	167	e90	64	e70	e52	42	53	729	1230	494	229	87
13	153	98	64	e70	e55	47	52	996	965	466	225	89
14	135	95	67	e67	51	47	51	1240	784	443	286	98
15	130	88	71	e64	e56	47	58	1370	670	415	250	90
16	129	e88	e74	e69	e55	43	85	1450	734	366	219	96
17	125	87	e74	e68	e54	e53	150	1340	840	322	201	115
18	125	e87	e69	e69	61	49	245	1160	908	281	181	114
19	127	e83	e69	e69	44	51	319	1200	929	264	171	99
20	124	e81	e73	e69	47	59	292	1260	905	248	195	92
21	122	e80	e76	e64	36	73	213	1290	925	246	223	91
22	122	e81	e74	e63	37	80	163	1090	939	223	260	88
23	133	78	e72	e66	36	79	124	1220	898	209	261	85
24	136	79	e70	e66	43	80	137	1510	881	215	223	84
25	130	78	71	e66	46	91	203	1530	860	201	197	83
26	121	79	e71	e68	41	99	307	1350	817	232	177	80
27	122	73	e73	e66	37	82	441	1700	764	207	164	82
28	131	72	e76	e66	37	73	477	1780	740	181	159	78
29	130	74	e74	e66	---	65	452	1420	768	164	150	77
30	125	71	e72	e66	---	62	500	1230	738	158	144	76
31	128	---	e67	e66	---	66	---	1460	---	222	140	---
TOTAL	3934	2660	2184	2121	1384	1751	5270	30890	31625	12431	7215	2925
MEAN	127	88.7	70.5	68.4	49.4	56.5	176	996	1054	401	233	97.5
MAX	167	117	79	75	63	99	500	1780	1770	721	335	135
MIN	112	71	63	63	36	37	51	277	670	158	140	76
AC-FT	7800	5280	4330	4210	2750	3470	10450	61270	62730	24660	14310	5800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

MEAN	139	93.7	71.0	63.2	58.6	70.9	162	705	1151	564	274	188
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	97.5
(WY)	1992	1992	1992	1992	2000	2000	1993	1995	2000	2000	1996	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1992 - 2001	
ANNUAL TOTAL	76627		104390			
ANNUAL MEAN	209		286		296	
HIGHEST ANNUAL MEAN					395	1997
LOWEST ANNUAL MEAN					211	2000
HIGHEST DAILY MEAN	1850	May 29	1780	May 28	2350	Jul 10 1995
LOWEST DAILY MEAN	e34	Jan 30	36	Feb 21	e34	Jan 30 2000
ANNUAL SEVEN-DAY MINIMUM	41	Feb 26	39	Feb 21	39	Jan 18 1992
MAXIMUM PEAK FLOW			2440	Jun 1	2970	Jul 9 1995
MAXIMUM PEAK STAGE			3.63	Jun 1	a4.89	Jul 9 1995
ANNUAL RUNOFF (AC-FT)	152000		207100		214300	
10 PERCENT EXCEEDS	523		906		832	
50 PERCENT EXCEEDS	113		105		117	
90 PERCENT EXCEEDS	45		53		56	

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
NOV													
07...	1100	108	508	6.4	.6	10.5	238	86.8	5.25	3.3	.094	.96	8
APR													
30...	1145	405	261	6.7	5.5	9.4	114	41.2	2.76	1.9	.076	.57	14
MAY													
30...	1015	1080	145	7.1	4.7	9.7	63.7	22.7	1.72	1.1	.061	.34	21
AUG													
10...	1300	252	293	7.1	11.1	8.2	130	46.8	3.27	1.9	.072	.59	22

DATE	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, 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)
NOV													
07...	7	235	1.4	.7	14.5	380	357	.52	111	2780	107	1.86	33.4
APR													
30...	11	104	1.2	.5	9.0	188	170	.26	206	1300	E15	2.26	45.4
MAY													
30...	17	46.5	.6	.3	6.3	86	90.7	.12	251	550	33	1.05	E16.0
AUG													
10...	18	115	.5	.5	8.8	199	190	.27	135	1030	24	1.32	23.8

DATE	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)	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										
07...	8.5	5980	2960	<1.00	1410	1340	<.23	<2.4	<.2	526
APR										
30...	8.9	3790	710	<1.00	802	761	<.01	<2.4	<.2	541
MAY										
30...	7.0	1090	190	<1.00	367	316	M	<2.0	<.2	242
AUG										
10...	2.6	1630	280	<1.00	686	682	<.01	<2.0	<.2	260

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

MISCELLANEOUS FIELD MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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					SEP				
20...	1130	56	648	4.5	07...	1045	110	435	6.6
JUN									
21...	1200	841	167	8.7					

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.--July to December 1895, April 1896 to December 1898, April 1899 to December 1900, March to August 1901 (gage heights and discharge measurements only), 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	271	372	255	189	e175	219	445	2620	3420	1180	576	336
2	257	352	256	209	e176	215	564	3100	3540	1230	633	313
3	257	335	224	218	e178	211	627	2840	3320	1220	607	304
4	254	331	214	222	179	179	697	2170	3150	1170	593	327
5	270	320	243	229	171	177	728	1740	2510	1110	540	303
6	277	311	244	228	204	219	719	1520	2400	1090	513	289
7	266	301	241	191	214	234	616	1430	2690	1070	580	258
8	251	284	245	179	225	253	531	1550	2660	998	690	266
9	266	297	244	212	215	251	490	1890	2540	949	800	236
10	296	305	211	225	201	266	519	2130	2830	916	807	230
11	317	306	210	225	173	222	506	2440	2780	876	795	236
12	424	283	246	213	171	212	487	3080	2620	853	710	236
13	415	265	256	227	200	248	461	3470	2210	816	671	231
14	371	284	256	178	210	258	462	4280	1740	821	757	242
15	328	307	249	161	202	261	461	4440	1400	813	808	245
16	314	304	248	222	192	258	573	4770	1350	746	683	230
17	322	286	196	217	203	267	794	4500	1500	639	619	241
18	314	271	201	222	180	226	1100	4000	1660	566	564	258
19	312	235	243	222	181	217	1420	3890	1740	526	514	262
20	311	246	229	216	214	261	1490	3580	1790	502	491	245
21	306	277	240	184	214	294	1310	3790	1720	481	501	238
22	295	285	226	166	220	375	1060	3120	1720	454	509	233
23	335	290	234	219	222	439	900	3100	1690	435	585	219
24	409	276	195	216	223	460	871	3420	1560	449	549	211
25	401	264	204	214	182	438	1000	3770	1540	455	495	209
26	375	262	237	206	183	514	1360	3570	1490	439	460	203
27	357	240	222	214	221	544	1680	3700	1510	474	435	199
28	402	262	224	180	223	510	2170	3950	1340	427	407	193
29	396	260	231	171	---	502	2280	3690	1310	375	377	188
30	375	255	224	e173	---	473	2340	3060	1290	353	360	173
31	383	---	190	e174	---	451	---	3210	---	405	344	---
TOTAL	10127	8666	7138	6322	5552	9654	28661	97820	63020	22838	17973	7354
MEAN	327	289	230	204	198	311	955	3155	2101	737	580	245
MAX	424	372	256	229	225	544	2340	4770	3540	1230	808	336
MIN	251	235	190	161	171	177	445	1430	1290	353	344	173
AC-FT	20090	17190	14160	12540	11010	19150	56850	194000	125000	45300	35650	14590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1898 - 2001, BY WATER YEAR (WY)

MEAN	412	287	223	203	206	298	841	2312	2869	1211	594	464
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1898 - 2001	
ANNUAL TOTAL	203586		285125			
ANNUAL MEAN	556		781		826	
HIGHEST ANNUAL MEAN					1366	1917
LOWEST ANNUAL MEAN					302	1977
HIGHEST DAILY MEAN	3460	May 24	4770	May 16	10700	Jun 19 1949
LOWEST DAILY MEAN	134	Jan 30	161	Jan 15	94	Mar 2 1913
ANNUAL SEVEN-DAY MINIMUM	166	Feb 27	175	Jan 29	100	Dec 19 1917
MAXIMUM PEAK FLOW			5170	May 16	a25000	Oct 5 1911
MAXIMUM PEAK STAGE			6.14	May 16	11.00	Oct 5 1911
ANNUAL RUNOFF (AC-FT)	403800		565500		598400	
10 PERCENT EXCEEDS	1530		2360		2240	
50 PERCENT EXCEEDS	290		322		344	
90 PERCENT EXCEEDS	182		203		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$^1/_4$NW$^1/_4$ 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 fair except Aug. 10 to Sept. 30 and estimated daily discharges, which are 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.08	.93	.68	.62	e.38	1.4	.75	.65	.96	1.4	2.1	.96
2	.07	.85	.67	.62	e.38	1.4	.74	.66	.97	1.6	1.9	.79
3	.53	.83	.66	.61	e.38	1.4	.74	.74	1.3	1.3	1.8	.73
4	1.1	.79	.64	.62	e.38	1.5	.71	.88	1.4	1.3	1.7	.70
5	.65	.89	.63	e.59	e.38	1.6	.72	.80	1.5	1.5	1.5	.73
6	.48	.77	.63	e.55	e.38	1.6	1.6	.79	1.5	1.4	1.7	.70
7	.75	.74	.63	e.52	e.40	1.7	.96	.76	1.5	1.3	1.7	.68
8	1.0	.79	.69	e.52	.45	3.1	.83	.75	1.4	1.3	3.2	.71
9	.51	.77	.69	e.52	.35	1.8	.78	.77	1.7	1.3	2.0	.78
10	.33	.78	.65	e.51	.34	2.9	.75	.74	1.5	1.2	1.6	.88
11	.28	.82	.67	e.51	.36	1.5	.73	.73	1.6	1.2	5.1	.74
12	1.4	.83	.69	e.51	.37	1.5	.72	.80	1.5	1.2	3.6	.78
13	.62	.78	.64	e.50	.37	1.9	.71	.76	1.5	1.1	2.5	.86
14	.25	.77	.61	e.50	.37	2.0	.72	.74	1.6	1.1	2.5	1.0
15	.06	.77	.63	e.49	.38	1.6	.72	.83	1.5	1.6	1.7	.96
16	e.08	.85	.62	e.46	.35	1.5	.71	.83	1.4	1.4	1.3	1.0
17	e.08	.92	.62	e.44	.36	1.5	.69	.94	1.4	1.1	1.2	1.0
18	e.08	.97	.60	e.42	.40	1.4	.68	.88	1.4	1.2	1.1	1.0
19	e.08	1.3	.58	e.40	.50	3.3	.67	.80	1.3	1.1	1.1	1.1
20	e.08	1.4	.61	.39	.60	6.1	.70	.85	1.2	1.1	1.2	1.1
21	e.08	1.5	.60	.39	.74	7.4	.67	1.2	1.4	1.2	1.1	1.1
22	e1.0	1.3	.61	.39	.90	3.6	.68	.87	1.6	1.1	1.1	1.2
23	2.0	1.1	.62	.39	1.0	2.6	.67	.73	1.6	1.1	1.1	1.3
24	1.0	.84	.62	.39	1.1	1.7	.67	.77	1.5	1.2	1.1	1.2
25	e.95	.76	.62	.39	1.1	.96	.63	.73	1.5	1.0	1.0	1.4
26	e.90	.73	.66	.38	1.2	.70	.67	.74	1.6	.93	.91	1.3
27	e.88	.73	.67	.39	1.5	.71	.62	.82	1.8	1.1	.86	1.2
28	e.86	.70	.66	.39	1.6	.71	.69	.89	1.7	1.5	.93	1.2
29	e.84	.66	.65	.38	---	.83	.67	.86	1.5	1.5	.94	1.2
30	e.83	.67	.64	e.38	---	.79	.63	.95	1.7	1.5	1.0	1.0
31	.81	---	.63	e.38	---	.76	---	1.0	---	1.5	1.1	---
TOTAL	18.66	26.54	19.82	14.55	17.02	61.46	22.23	25.26	44.03	39.33	51.64	29.30
MEAN	.60	.88	.64	.47	.61	1.98	.74	.81	1.47	1.27	1.67	.98
MAX	2.0	1.5	.69	.62	1.6	7.4	1.6	1.2	1.8	1.6	5.1	1.4
MIN	.06	.66	.58	.38	.34	.70	.62	.65	.96	.93	.86	.68
AC-FT	37	53	39	29	34	122	44	50	87	78	102	58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

MEAN	1.27	1.06	.86	.77	.85	1.33	.76	1.00	1.55	1.60	1.59	1.21
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	.60	.75	.54	.47	.61	.69	.35	.56	1.00	.84	.81	.41
(WY)	2001	2000	1999	2001	2001	1999	1999	1999	1996	1996	1996	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1995 - 2001	
ANNUAL TOTAL	285.38		369.84			
ANNUAL MEAN	.78		1.01		1.15	
HIGHEST ANNUAL MEAN					1.60	1997
LOWEST ANNUAL MEAN					.82	2000
HIGHEST DAILY MEAN	2.2	Apr 2	7.4	Mar 21	14	Sep 21 1997
LOWEST DAILY MEAN	.06	Oct 15	.06	Oct 15	.06	Oct 15 2000
ANNUAL SEVEN-DAY MINIMUM	.08	Oct 15	.08	Oct 15	.08	Oct 15 2000
MAXIMUM PEAK FLOW			21	Mar 21	34	Aug 6 1999
MAXIMUM PEAK STAGE			a3.30	Mar 21	3.86	Aug 6 1999
ANNUAL RUNOFF (AC-FT)	566		734		830	
10 PERCENT EXCEEDS	1.2		1.6		1.9	
50 PERCENT EXCEEDS	.74		.83		.93	
90 PERCENT EXCEEDS	.46		.39		.56	

e Estimated.
a Maximum gage height, 4.30 ft, Aug 13, backwater from beaver dam.

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, 40,140 acre-ft, June 6, daily mean elevation, 8,147.99 ft; minimum daily mean contents, 8,040 acre-ft, Oct. 1, daily mean elevation, 8,071.72 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	8,071.73	8,040	-
Oct. 31	8,077.99	9,480	+1,440
Nov. 30	8,079.29	9,800	+320
Dec. 31	8,080.85	10,200	+400
CAL YR 2000	-	-	-20,400
Jan. 31	8,081.60	10,390	+190
Feb. 28	8,081.73	10,430	+40
Mar. 31	8,083.74	10,960	+530
Apr. 30	8,099.29	15,830	+4,870
May 31	8,146.18	39,020	+23,190
June 30	8,143.25	37,250	-1,770
July 31	8,125.46	27,300	-9,950
Aug. 31	8,120.71	24,900	-2,400
Sept. 30	8,102.54	17,040	-7,860
WTR YR 2001	-	-	+9,000

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 and concrete flume. 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 May 8-22, which are fair, and 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	14	8.4	e7.0	e5.5	e6.5	42	226	140	27	24	e13
2	5.7	14	8.4	e7.0	e6.0	e6.0	51	236	139	26	24	e12
3	5.6	13	8.4	e7.0	e6.0	e6.5	59	187	131	23	17	e11
4	5.9	11	e8.0	e7.5	e6.0	e6.5	63	138	112	27	17	e10
5	6.4	13	8.0	e7.5	e6.0	6.5	59	105	94	21	14	8.9
6	6.0	12	8.0	e7.5	e6.0	6.4	53	80	92	20	13	8.3
7	6.0	12	8.0	e7.0	6.4	6.9	46	72	93	19	16	7.7
8	6.2	11	8.0	e7.0	6.8	7.0	40	111	95	23	e26	7.4
9	6.3	10	8.0	e7.0	e6.5	6.9	38	171	90	24	e24	7.4
10	6.9	10	8.1	7.2	e6.5	7.2	38	203	89	23	e22	7.3
11	8.6	10	8.2	e7.0	e6.5	6.8	36	225	81	22	e20	7.1
12	8.2	10	8.0	e7.5	e6.5	6.7	34	278	71	19	e18	6.8
13	6.9	e9.0	8.0	e7.0	e6.5	e6.5	33	322	58	17	e22	7.0
14	6.7	e9.5	8.0	e6.5	6.7	e6.5	33	325	40	16	e38	7.2
15	6.8	9.6	8.0	e6.5	e6.0	e6.5	36	325	29	16	e34	7.2
16	7.0	9.6	e7.5	e6.5	e6.0	6.8	42	302	28	16	e28	6.8
17	7.5	e8.5	e7.5	e6.5	e6.5	7.0	68	291	30	17	e16	7.2
18	8.1	e8.5	e7.0	e6.0	6.5	e7.0	120	281	29	16	e14	6.8
19	8.1	e8.5	e7.0	e6.0	6.4	e7.0	149	274	32	15	e12	6.4
20	8.0	e9.0	e7.5	e6.5	6.4	7.2	156	257	40	14	e12	6.1
21	8.8	e9.0	e7.5	e6.5	6.4	8.3	130	275	54	13	e10	6.1
22	9.5	9.0	e7.5	e6.5	6.4	9.3	115	225	58	12	e10	6.0
23	16	9.0	e7.5	e7.0	6.4	11	89	225	43	12	e12	5.9
24	15	8.8	e7.5	e7.0	e6.0	14	71	245	42	11	e10	5.7
25	13	e8.5	7.4	e7.0	6.4	20	95	232	47	11	e9.0	5.6
26	12	e8.5	e7.5	e6.5	6.4	26	145	227	45	11	e8.0	5.5
27	12	8.4	e7.5	e7.0	6.4	30	169	242	40	11	e8.0	5.4
28	14	8.4	e7.5	e6.5	6.7	32	168	198	30	9.9	e10	5.5
29	14	8.4	e7.5	e6.5	---	29	178	160	31	9.3	e10	5.7
30	14	8.4	e7.5	e6.0	---	32	201	140	30	9.2	e10	5.6
31	14	---	e7.5	e6.0	---	35	---	142	---	12	e14	---
TOTAL	279.2	298.6	240.4	210.2	176.8	381.0	2557	6720	1933	522.4	522.0	218.6
MEAN	9.01	9.95	7.75	6.78	6.31	12.3	85.2	217	64.4	16.9	16.8	7.29
MAX	16	14	8.4	7.5	6.8	35	201	325	140	27	38	13
MIN	5.6	8.4	7.0	6.0	5.5	6.0	33	72	28	9.2	8.0	5.4
AC-FT	554	592	477	417	351	756	5070	13330	3830	1040	1040	434

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2001, BY WATER YEAR (WY)

MEAN	15.3	10.7	8.24	6.99	7.40	15.7	82.1	171	132	38.0	24.0	20.2
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1918 - 2001	
ANNUAL TOTAL	10107.7		14059.2			
ANNUAL MEAN	27.6		38.5		44.4	
HIGHEST ANNUAL MEAN					90.5	1941
LOWEST ANNUAL MEAN					9.94	1977
HIGHEST DAILY MEAN	201	May 5	325	May 14	934	Jun 28 1927
LOWEST DAILY MEAN	3.8	Jan 20	5.4	Sep 27	1.0	Feb 22 1939
ANNUAL SEVEN-DAY MINIMUM	4.4	Jan 26	5.6	Sep 24	1.9	Oct 13 1917
MAXIMUM PEAK FLOW			390	May 15	a1880	Sep 22 1941
MAXIMUM PEAK STAGE			b3.49	May 15	c4.30	Sep 22 1941
ANNUAL RUNOFF (AC-FT)	20050		27890		32190	
10 PERCENT EXCEEDS	96		134		127	
50 PERCENT EXCEEDS	8.8		9.6		13	
90 PERCENT EXCEEDS	5.0		6.4		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, 3.51 ft, May 12, due to channel change.
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 and concrete flume. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	5.5	8.3	e8.0	e8.0	14	47	100	99	14	4.4	e8.0
2	4.5	4.5	8.2	e8.0	e8.0	13	59	115	79	16	3.9	e7.0
3	4.5	2.8	8.3	e8.0	e8.0	12	65	94	63	12	3.8	e6.0
4	4.8	3.7	8.8	e7.0	e9.0	11	57	74	72	11	5.3	e5.5
5	5.3	5.0	8.7	e7.0	e10	12	42	57	80	12	4.9	5.4
6	4.9	4.7	8.5	e7.0	10	12	43	47	72	9.6	16	5.4
7	4.5	4.3	8.6	e7.0	11	15	43	36	64	7.5	15	5.2
8	4.9	e3.3	8.3	e7.0	12	18	32	35	59	6.3	6.6	5.4
9	5.3	e3.3	9.9	e7.0	11	23	28	52	58	6.9	5.8	5.5
10	6.0	3.3	8.9	e7.0	e10	35	27	56	68	8.7	5.9	5.7
11	7.3	3.8	9.1	e7.0	9.7	31	28	71	58	6.6	6.9	5.5
12	6.3	e3.8	8.6	e7.0	9.7	27	28	89	51	5.7	6.0	5.3
13	4.6	e4.0	8.6	e6.0	9.8	22	26	109	41	5.1	8.1	5.2
14	4.6	e5.0	8.6	e6.0	10	21	25	156	40	6.0	10	5.5
15	4.5	e6.0	9.2	e6.0	10	22	24	134	31	6.4	7.0	5.6
16	4.5	e6.0	e9.0	e6.0	10	24	26	136	21	6.4	6.6	5.3
17	4.6	e6.0	e9.0	e6.0	9.7	24	32	124	16	5.0	e6.5	5.3
18	4.5	e7.0	e8.0	e6.0	12	20	45	87	15	4.7	e6.5	4.4
19	4.6	e7.0	e7.0	e6.0	16	19	74	74	14	3.8	e7.0	3.4
20	4.7	e7.0	e7.0	e6.0	16	25	78	78	12	3.4	e7.0	3.3
21	5.1	e7.0	e7.0	e6.0	18	40	65	68	17	3.1	e7.0	3.6
22	6.1	7.8	e8.0	e6.0	18	57	58	62	31	2.3	e5.0	3.6
23	8.1	11	e8.0	e7.0	16	65	49	88	29	3.1	e5.0	3.5
24	8.1	9.6	e8.0	e8.0	12	65	39	85	22	3.0	e5.5	3.4
25	5.6	8.4	e9.0	e9.0	11	59	35	93	26	3.2	e6.0	3.5
26	5.4	e8.0	e9.0	e9.0	12	64	35	97	25	4.1	e6.0	3.0
27	5.4	8.2	e8.0	9.6	17	53	48	95	35	4.8	e6.0	3.5
28	7.1	8.0	e8.0	9.7	18	57	68	73	25	4.0	e6.0	3.8
29	6.9	7.9	e8.0	9.1	---	55	83	60	15	3.4	e6.0	4.2
30	5.8	8.4	e8.0	e9.0	---	50	84	76	15	3.5	e5.5	4.3
31	5.3	---	e8.0	e8.0	---	43	---	107	---	4.1	e6.5	---
TOTAL	168.3	180.3	259.6	225.4	331.9	1008	1393	2628	1253	195.7	207.7	144.3
MEAN	5.43	6.01	8.37	7.27	11.9	32.5	46.4	84.8	41.8	6.31	6.70	4.81
MAX	8.1	11	9.9	9.7	18	65	84	156	99	16	16	8.0
MIN	4.5	2.8	7.0	6.0	8.0	11	24	35	12	2.3	3.8	3.0
AC-FT	334	358	515	447	658	2000	2760	5210	2490	388	412	286

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2001, BY WATER YEAR (WY)

MEAN	13.6	12.0	12.3	11.9	17.0	37.5	105	109	66.7	20.0	12.3	11.3
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1921 - 2001	
ANNUAL TOTAL	7786.2		7995.2			
ANNUAL MEAN	21.3		21.9		35.7	
HIGHEST ANNUAL MEAN					109	1973
LOWEST ANNUAL MEAN					4.44	1977
HIGHEST DAILY MEAN	179	Apr 10	156	May 14	1120	May 4 1941
LOWEST DAILY MEAN	1.7	Jul 22	2.3	Jul 22	a.00	Jul 3 1922
ANNUAL SEVEN-DAY MINIMUM	2.2	Jul 18	3.1	Jul 19	.00	Jul 3 1922
MAXIMUM PEAK FLOW			205	May 14	b4750	Aug 24 1927
MAXIMUM PEAK STAGE			c4.38	May 14	11.36	Aug 24 1927
ANNUAL RUNOFF (AC-FT)	15440		15860		25850	
10 PERCENT EXCEEDS	62		65		85	
50 PERCENT EXCEEDS	8.7		8.3		13	
90 PERCENT EXCEEDS	3.5		4.4		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, 7.09 ft, Jan 22, 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	15	e3.7	2.6	4.9	19	28	157	37	.88	.00	5.1
2	.00	15	e3.5	e2.8	6.1	14	32	159	30	.91	70	9.4
3	.00	15	e3.5	e2.7	6.5	13	40	164	35	.16	21	8.6
4	.00	13	3.3	e2.4	8.8	13	46	141	27	.00	6.6	18
5	.00	12	3.3	e2.4	9.1	11	53	104	14	.00	6.0	15
6	.00	14	e3.9	e2.4	12	14	56	92	4.7	.00	54	11
7	.00	13	e4.3	e2.1	8.5	19	67	75	2.1	.00	38	9.9
8	.00	7.1	e5.3	e2.5	16	26	46	61	1.3	.00	4.3	9.9
9	.00	8.0	e5.5	e2.1	16	35	39	63	2.6	.00	12	8.9
10	.00	11	e5.4	e2.3	9.8	38	33	85	1.4	.00	4.6	7.2
11	.34	13	e5.5	e2.0	10	34	34	93	.65	.00	66	8.4
12	1.8	13	e5.6	e2.2	8.8	31	36	110	1.9	.00	55	7.9
13	2.1	6.4	e5.5	e2.1	9.6	29	50	120	2.1	.00	20	6.2
14	2.1	4.0	e5.4	e1.8	e9.1	23	44	149	1.0	.00	242	11
15	2.2	8.5	4.9	e1.9	8.1	22	32	138	.35	.00	63	14
16	2.2	8.5	e4.1	e2.2	7.0	20	29	131	.05	.00	26	8.6
17	2.0	5.1	e3.1	e1.9	5.9	22	47	148	.00	.00	13	8.0
18	2.5	7.4	1.8	e2.0	11	20	82	135	.00	.00	13	12
19	2.6	4.6	e2.0	e2.8	13	18	115	127	.00	.00	7.8	10
20	2.6	e5.4	1.4	e2.8	19	18	119	141	.00	.00	5.8	7.5
21	2.6	e6.2	1.1	e3.8	20	24	105	122	.00	.00	8.3	6.0
22	.90	e8.4	2.7	e4.3	19	36	98	115	.00	.00	10	4.2
23	67	e7.3	2.2	e4.9	20	43	73	101	.00	.00	19	4.4
24	e40	e6.6	2.9	e4.2	16	51	60	99	.00	.00	21	3.7
25	e30	e6.1	3.1	e3.9	10	50	59	100	.00	.00	15	1.9
26	e20	e5.5	3.6	e3.6	11	49	76	104	.00	.00	10	1.1
27	13	e5.4	2.6	e3.6	13	49	94	117	.00	.00	6.2	.46
28	12	e4.4	1.4	e2.8	19	46	95	121	.00	.00	4.1	.27
29	23	e3.8	1.2	e2.5	---	39	126	105	.00	.00	3.6	.14
30	16	e4.2	3.1	e2.7	---	33	171	85	.24	.00	3.7	.04
31	15	---	2.6	e2.6	---	28	---	63	---	.00	3.8	---
TOTAL	259.94	256.9	107.5	84.9	327.2	887	1985	3525	161.39	1.95	832.80	218.81
MEAN	8.39	8.56	3.47	2.74	11.7	28.6	66.2	114	5.38	.063	26.9	7.29
MAX	67	15	5.6	4.9	20	51	171	164	37	.91	242	18
MIN	.00	3.8	1.1	1.8	4.9	11	28	61	.00	.00	.00	.04
AC-FT	516	510	213	168	649	1760	3940	6990	320	3.9	1650	434

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2001, BY WATER YEAR (WY)

MEAN	27.2	19.8	14.3	13.5	25.3	58.2	124	177	84.1	29.2	28.9	26.3
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1921 - 2001	
ANNUAL TOTAL	8122.39		8648.39			
ANNUAL MEAN	22.2		23.7		51.6	
HIGHEST ANNUAL MEAN					138	1973
LOWEST ANNUAL MEAN					4.28	1959
HIGHEST DAILY MEAN	207	May 4	242	Aug 14	3050	Oct 14 1941
LOWEST DAILY MEAN	a.00	Jun 8	a.00	Oct 1	a.00	Jul 12 1922
ANNUAL SEVEN-DAY MINIMUM	.00	Jun 8	.00	Oct 1	.00	Jul 12 1922
MAXIMUM PEAK FLOW			815	Aug 14	b5300	Oct 14 1941
MAXIMUM PEAK STAGE			c4.46	Aug 14	d7.30	Oct 14 1941
ANNUAL RUNOFF (AC-FT)	16110		17150		37350	
10 PERCENT EXCEEDS	80		83		144	
50 PERCENT EXCEEDS	6.2		7.2		16	
90 PERCENT EXCEEDS	.00		.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, 7.76 ft, Jan 9, backwater from ice.
d 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	1.7	1.1	e.84	1.3	1.8	.90	.63	12	14	24	12
2	12	1.4	1.1	e.83	e1.0	1.3	.96	.81	12	19	25	10
3	9.8	1.3	1.1	e.79	1.2	1.2	.92	1.2	13	17	17	10
4	10	1.3	1.4	e.73	1.3	1.1	.86	1.6	14	17	20	15
5	12	1.5	1.2	e.72	1.3	1.0	.91	1.4	13	16	18	20
6	10	1.4	1.1	e.70	2.1	1.1	1.9	1.3	14	15	17	21
7	6.9	1.2	1.2	e.72	10	1.2	1.6	1.3	14	14	23	21
8	6.7	1.2	1.2	e.72	4.9	1.4	1.2	1.2	13	13	24	22
9	9.7	1.3	1.3	e.71	4.8	1.4	1.0	1.0	12	13	23	23
10	9.1	1.7	1.3	e.70	4.6	1.3	1.0	1.2	12	16	24	23
11	10	1.8	1.3	e.72	1.6	1.3	1.1	1.1	12	19	22	22
12	9.8	1.5	1.3	e.76	2.1	1.4	1.0	2.3	11	19	20	22
13	9.2	1.3	1.3	e.93	2.1	1.3	1.0	4.6	12	19	18	21
14	7.9	1.3	e1.3	1.3	1.9	1.1	.93	4.0	13	19	42	23
15	5.9	1.4	e1.2	1.5	2.0	1.0	.87	7.8	10	24	28	23
16	1.4	1.1	1.1	1.3	1.7	1.0	.83	9.2	8.9	23	16	23
17	1.1	.94	.98	1.3	1.6	1.5	.87	9.7	7.5	18	16	24
18	1.0	.89	e.90	e1.3	1.4	1.6	.88	9.0	7.2	15	14	26
19	1.0	.89	e.89	1.2	1.5	1.1	.77	9.0	7.3	15	13	23
20	1.0	.92	e.89	1.2	1.5	1.0	.72	17	8.0	13	12	23
21	1.0	.94	.88	1.3	1.4	1.0	.76	15	8.7	12	17	21
22	1.0	1.1	.86	1.5	1.4	1.0	1.2	13	10	11	18	19
23	2.3	1.3	.79	1.7	1.5	1.0	1.3	12	13	11	20	19
24	2.8	1.2	e.78	1.3	1.3	1.0	.82	12	13	16	16	20
25	1.5	1.1	e.82	1.4	1.1	1.0	.76	12	11	17	13	20
26	1.3	1.1	e.84	1.4	1.1	.92	.74	11	12	21	11	20
27	1.3	1.1	e.84	1.5	1.6	1.0	.71	12	19	22	10	19
28	1.9	1.1	e.83	1.5	1.9	.98	.69	11	19	22	9.8	20
29	1.6	1.1	e.83	1.5	---	1.0	.67	11	17	19	9.9	19
30	1.4	1.1	e.83	1.5	---	.98	.58	11	14	18	10	18
31	2.6	---	e.83	e1.4	---	.89	---	11	---	21	11	---
TOTAL	166.2	37.18	32.29	34.97	61.2	35.87	28.45	216.34	362.6	528	561.7	602
MEAN	5.36	1.24	1.04	1.13	2.19	1.16	.95	6.98	12.1	17.0	18.1	20.1
MAX	13	1.8	1.4	1.7	10	1.8	1.9	17	19	24	42	26
MIN	1.0	.89	.78	.70	1.0	.89	.58	.63	7.2	11	9.8	10
AC-FT	330	74	64	69	121	71	56	429	719	1050	1110	1190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2001, BY WATER YEAR (WY)

MEAN	8.37	3.15	2.60	2.24	2.84	3.25	2.95	9.90	14.1	15.1	15.8	13.6
MAX	17.5	5.94	6.00	3.86	7.99	10.3	5.60	13.1	18.1	18.0	21.5	20.1
(WY)	1994	1994	1985	1997	1983	1983	1994	1982	1985	1986	1983	2001
MIN	5.02	.78	.47	.85	1.12	1.11	.95	6.98	10.5	12.3	11.8	9.53
(WY)	1996	2000	2000	2000	2000	1998	2001	2001	1994	1994	1995	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1982 - 2001	
ANNUAL TOTAL	2456.60		2666.80			
ANNUAL MEAN	6.71		7.31		7.89	
HIGHEST ANNUAL MEAN					9.47	1985
LOWEST ANNUAL MEAN					6.63	1996
HIGHEST DAILY MEAN	20	Jun 30	42	Aug 14	75	Mar 6 1995
LOWEST DAILY MEAN	e.47	Jan 3	.58	Apr 30	.40	Dec 20 1999
ANNUAL SEVEN-DAY MINIMUM	.48	Jan 1	.68	Apr 25	.41	Dec 15 1999
MAXIMUM PEAK FLOW			60	Aug 14	a598	Aug 24 1982
MAXIMUM PEAK STAGE			2.94	Aug 14	8.53	Aug 24 1982
ANNUAL RUNOFF (AC-FT)	4870		5290		5720	
10 PERCENT EXCEEDS	16		20		17	
50 PERCENT EXCEEDS	1.7		1.6		5.4	
90 PERCENT EXCEEDS	.84		.87		1.3	

e Estimated.
a From rating curve extended above 26 ft^3/s, on basis of slope-area measurement of peak flow.

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. 1-27, Jan. 26 to Feb. 12 which are fair and Dec. 18 to Jan. 5, Jan. 17-18, Apr. 18 to Aug. 14, Aug. 21 to Sep. 30 which are poor. Daily records of water temperature are good. Daily data that are not published are due to probes being isolated by ice and severe fouling.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 12,000 microsiemens/cm, Apr. 25, 1999; minimum, 981 microsiemens/cm, 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, 9,660 microsiemens/cm, Dec. 14; minimum, 1,190 microsiemens/cm, July 4.
WATER TEMPERATURE: Maximum, 24.9°C, July 9; minimum, -0.2°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
27...	1230	1.3	4720	8.4	8.8	2270	385	316	489	4.47	8.15	366	2650
DEC													
18...	1400	.87	5490	8.3	-0.2	2650	453	370	580	4.90	7.38	410	3270
FEB													
01...	1430	1.1	5600	8.2	-0.3	2670	440	382	630	5.31	7.70	459	3210
28...	1515	1.8	5450	8.4	4.3	2520	368	388	583	5.06	8.50	379	3230
APR													
18...	1530	.94	5430	8.2	15.7	2530	416	362	561	4.86	8.14	341	3170
MAY													
31...	1500	11	1840	8.3	19.6	901	208	92.7	91.0	1.32	4.28	239	824
JUL													
24...	1400	17	1720	8.3	20.2	839	200	82.3	84.9	1.28	3.96	243	737
AUG													
14...	1700	46	1990	8.1	20.2	912	212	93.0	122	1.75	10.1	195	938
21...	1445	18	1780	8.2	19.5	857	207	82.6	72.5	1.08	4.65	233	775

DATE	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...	77.1	.5	8.8	4150	5.7	15
DEC						
18...	92.2	.4	11.6	5030	6.8	12
FEB						
01...	94.7	.5	12.0	5060	6.9	15
28...	92.7	.6	8.6	4910	6.7	24
APR						
18...	87.8	.4	6.7	4820	6.5	12
MAY						
31...	20.2	.4	9.9	1390	1.9	41
JUL						
24...	17.1	.4	10.7	1280	1.7	58
AUG						
14...	31.6	.4	11.9	1540	2.1	191
21...	17.5	.3	11.5	1310	1.8	62

09371492 MUD CREEK AT HIGHWAY 32, NEAR CORTEZ, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2010	1860	1960	4640	3930	4360	5520	5160	5270	4100	3940	4020
2	2100	2010	2060	4730	4620	4670	5610	5160	5280	4020	3880	3950
3	2240	2040	2140	4740	4690	4710	5640	5110	5270	4000	3840	3930
4	2050	1930	2000	4770	4680	4720	5430	4980	5160	4020	3880	3950
5	2060	1950	2000	4850	4710	4770	5250	4690	4930	---	---	---
6	2360	1920	2120	4870	4780	4830	5320	4820	4990	---	---	---
7	2530	2330	2460	5020	4690	4890	5280	4830	4980	---	---	---
8	2580	2470	2530	5100	4780	4870	5140	4880	5060	---	---	---
9	2500	2300	2390	5080	4690	4830	5160	5090	5130	---	---	---
10	2470	2290	2390	4860	3920	4410	5150	5100	5120	---	---	---
11	2520	2460	2490	4610	4000	4380	5190	5090	5110	---	---	---
12	2480	2420	2450	4770	4480	4610	5240	5120	5180	---	---	---
13	2470	2330	2400	5200	4660	4810	5250	5090	5130	---	---	---
14	2580	2410	2510	5300	4680	4880	9660	5180	5990	---	---	---
15	3580	2550	2770	5040	4680	4820	7850	5160	5650	---	---	---
16	4720	3580	4400	5430	4890	5220	5670	5180	5310	---	---	---
17	4740	4190	4600	5750	5400	5600	5530	5360	5430	5320	5210	5280
18	5240	4560	4810	5790	5610	5700	5750	5460	5540	5450	5240	5330
19	4900	4540	4840	5720	5620	5680	5460	5080	5170	---	---	---
20	5070	4870	4950	5760	5580	5650	5200	5100	5140	---	---	---
21	5020	4840	4910	5740	5520	5610	5100	4790	4980	---	---	---
22	4880	4780	4850	5550	5260	5450	5010	4750	4940	---	---	---
23	6180	3040	4840	5290	5110	5160	5160	4930	5050	---	---	---
24	4810	3810	4290	5490	5110	5200	5120	4320	4570	---	---	---
25	4750	4640	4690	5530	5130	5230	5030	4340	4680	---	---	---
26	4780	4690	4750	5620	5160	5290	5080	4850	4990	5360	5220	5300
27	4790	4700	4740	5270	5200	5240	5030	4690	4900	5510	5190	5310
28	5330	4320	4680	5550	5130	5250	4990	4750	4910	5260	5110	5190
29	5280	4510	4710	5560	5150	5260	5080	4790	4950	5260	5150	5210
30	4710	4670	4690	5530	5110	5230	5030	4730	4850	5290	5200	5250
31	4940	3870	4430	---	---	---	4790	4060	4370	5460	5230	5330
MONTH	6180	1860	3540	5790	3920	5040	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5500	5300	5380	7440	5580	6160	5460	5220	5310	6160	5980	6050
2	5400	5240	5320	5600	5350	5470	5370	5200	5280	6140	5670	5870
3	5310	5140	5230	5460	5340	5400	5340	5140	5230	5760	5160	5580
4	5290	4650	5150	5380	5260	5310	5350	5160	5240	5160	4530	4810
5	5400	4510	5080	5320	5230	5270	5370	5200	5270	4550	4410	4490
6	7150	4600	5530	5270	5180	5220	7760	5160	5600	4450	4070	4320
7	7150	3730	5630	5230	5120	5160	6960	5050	5400	4400	4010	4220
8	5510	3400	4420	5320	5040	5180	5140	5020	5080	4770	4140	4300
9	6160	4980	5420	5260	5030	5120	5090	4920	5010	4600	4400	4520
10	5670	5120	5370	5200	4890	5100	5050	4940	5000	4400	4270	4330
11	5470	5190	5320	5290	5150	5200	4990	4810	4880	4340	4060	4250
12	5400	5060	5270	5860	5230	5360	4960	4820	4890	6350	2600	3990
13	5360	4950	5170	5950	5350	5590	5060	4870	4980	2810	2480	2580
14	5260	4850	4960	5400	5220	5310	5100	5010	5060	2780	2430	2700
15	6230	5100	5530	5370	5240	5310	5160	5030	5100	2430	2050	2280
16	5480	3080	5170	5380	5300	5340	5170	5000	5100	2300	2060	2150
17	5380	2850	5060	5750	5020	5190	5190	5010	5110	2200	2100	2140
18	5170	5030	5120	6840	5550	6090	5570	5080	---	2340	2030	2180
19	5130	5000	5060	5570	5250	5360	5630	5570	5600	3040	2100	2290
20	5120	4960	5000	5370	5190	5280	5800	5630	5720	5500	2020	2720
21	5130	5020	5080	5330	5190	5250	5820	5710	5760	2050	1970	2020
22	5180	5070	5110	5280	5170	5220	6080	5560	5790	2230	1940	2020
23	5240	5070	5140	5240	5130	5180	5800	5410	5690	2060	1930	1990
24	5260	5170	5220	5240	5150	5200	5800	5740	5770	2020	1890	1950
25	5290	5090	5230	5260	5140	5210	5810	5710	5750	1950	1850	1890
26	5280	5190	5240	5470	5100	5280	7060	5800	6110	2060	1870	1970
27	5940	5190	5470	5420	5210	5300	5970	5850	5900	2110	1840	1940
28	6550	5300	5570	5330	5240	5290	6120	5880	6010	1980	1840	1890
29	---	---	---	5360	5220	5290	6270	5990	6070	2120	1830	1930
30	---	---	---	5330	5170	5250	6300	6070	6170	1970	1820	1890
31	---	---	---	5370	5140	5250	---	---	---	1880	1760	1830
MONTH	7150	2850	5220	7440	4890	5330	7760	4810	---	6350	1760	3130

09371492 MUD CREEK AT HIGHWAY 32, NEAR CORTEZ, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	1900	1760	1810	1680	1380	1550	1630	1470	1540	1720	1610	1650
2	1810	1730	1770	1380	1220	1280	1660	1460	1540	1700	1630	1680
3	1860	1650	1750	1250	1210	1230	1520	1390	1470	1820	1670	1750
4	1800	1650	1730	1230	1190	1220	1580	1450	1500	1900	1600	1740
5	1920	1700	1800	1270	1230	1250	1670	1520	1610	1680	1600	1640
6	1780	1660	1730	1330	1220	1300	1720	1460	1580	1670	1590	1630
7	1730	1620	1680	1350	1220	1290	1510	1310	1410	1630	1530	1590
8	1730	1570	1660	1470	1190	1290	1370	1230	1300	1570	1540	1550
9	1700	1570	1630	1430	1390	1410	1570	1230	1300	1600	1560	1580
10	1790	1660	1700	1420	1330	1380	2230	1450	1920	1600	1550	1570
11	1850	1690	1750	1360	1280	1330	1840	1580	1710	1620	1500	1580
12	1850	1610	1690	1680	1300	1390	2440	1600	1760	1570	1520	1550
13	1740	1570	1680	1700	1620	1640	2070	1600	1680	1620	1540	1570
14	1800	1530	1630	1660	1620	1640	3200	1630	2060	1600	1540	1570
15	1900	1710	1740	1640	1560	1610	1850	1600	1690	1560	1490	1510
16	1890	1720	1790	1620	1560	1590	1820	1730	1790	1540	1460	1500
17	1880	1780	1840	1650	1560	1610	1880	1700	1800	1750	1470	1590
18	2060	1760	1870	1600	1500	1560	1840	1760	1800	1580	1400	1520
19	1870	1610	1780	1630	1360	1440	1930	1770	1850	1580	1400	1550
20	1980	1560	1690	1770	1610	1720	1920	1780	1850	1620	1540	1590
21	2050	1710	1810	1760	1350	1520	1820	1700	1770	1700	1600	1650
22	1850	1710	1780	1780	1360	1500	1770	1480	1640	1680	1600	1650
23	1820	1700	1760	1810	1680	1760	1500	1400	1440	1660	1620	1640
24	1780	1610	1710	1740	1630	1680	1660	1460	1540	1660	1610	1640
25	1840	1700	1770	1760	1620	1660	1690	1530	1630	1640	1600	1630
26	1930	1710	1790	1900	1430	1620	1720	1640	1690	1630	1590	1610
27	1800	1620	1700	1640	1510	1550	1740	1620	1680	1660	1610	1640
28	1710	1640	1660	1560	1510	1540	1760	1610	1690	1680	1570	1610
29	1700	1600	1650	1660	1550	1610	1730	1600	1670	1620	1570	1600
30	1740	1600	1670	1650	1590	1610	1920	1560	1670	1640	1600	1620
31	---	---	---	1630	1470	1570	2110	1600	1760	---	---	---
MONTH	2060	1530	1730	1900	1190	1500	3200	1230	1660	1900	1400	1610

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.4	12.6	14.6	6.6	5.1	5.8	1.5	-.2	.5	-.1	-.2	-.1
2	16.0	11.8	13.9	6.6	4.2	5.4	1.9	-.2	.6	-.1	-.2	-.1
3	15.5	11.8	13.6	6.6	4.9	5.7	1.3	-.2	.4	-.1	-.1	-.1
4	14.4	13.1	13.7	6.9	3.9	5.6	.6	-.2	.0	-.1	-.2	-.1
5	14.8	10.9	12.8	6.9	4.5	6.2	.5	-.2	.0	-.1	-.2	-.1
6	14.5	10.6	12.5	4.6	2.8	3.7	1.1	-.2	.2	-.1	-.2	-.1
7	14.0	10.1	12.1	3.3	.8	2.1	1.2	-.2	.3	-.1	-.2	-.1
8	12.7	11.0	12.0	2.6	-.1	1.4	2.5	.4	1.4	-.1	-.2	-.1
9	12.8	9.8	11.1	3.3	.2	1.7	3.1	1.7	2.2	-.1	-.1	-.1
10	11.2	10.2	10.7	3.1	1.8	2.4	2.8	1.1	2.0	-.1	-.1	-.1
11	12.5	10.1	11.1	2.8	1.3	2.2	2.9	1.4	2.1	-.1	-.1	-.1
12	12.7	9.5	11.1	1.9	.1	.9	3.1	1.2	2.0	-.1	-.1	-.1
13	11.8	8.1	9.7	1.0	-.2	.1	2.3	1.2	1.7	.0	-.1	-.1
14	11.1	6.5	8.7	.6	-.1	.1	2.0	.0	1.1	.0	-.1	-.1
15	10.7	6.0	8.2	2.2	-.1	.8	1.6	-.2	.7	-.1	-.2	-.1
16	9.4	4.8	7.2	2.0	-.2	.6	.5	-.2	.0	.3	-.1	.1
17	9.1	4.5	6.9	.0	-.2	-.1	.0	-.1	-.1	.2	-.1	.0
18	9.2	4.4	6.9	.1	-.2	.0	-.1	-.1	-.1	.0	-.2	-.1
19	9.4	5.5	7.4	.3	-.2	.0	-.1	-.1	-.1	.0	-.2	-.1
20	9.5	4.9	7.2	.3	-.2	.0	-.1	-.1	-.1	-.1	-.2	-.1
21	8.9	4.8	7.1	.7	-.2	.2	-.1	-.1	-.1	-.1	-.2	-.1
22	9.4	8.1	8.8	1.4	.0	.8	-.1	-.2	-.1	-.1	-.2	-.1
23	9.2	6.6	8.4	3.1	1.2	1.9	-.1	-.2	-.1	-.1	-.1	-.1
24	9.0	6.7	7.8	1.7	-.2	.8	-.1	-.2	-.1	.2	-.1	.0
25	8.6	6.3	7.6	2.0	-.2	.8	-.1	-.1	-.1	.7	-.1	.3
26	9.3	5.9	7.6	1.5	-.2	.5	-.1	-.1	-.1	.5	-.1	.1
27	9.6	7.7	8.8	2.7	.2	1.3	-.1	-.2	-.1	.5	-.1	.3
28	9.3	8.1	8.8	2.3	-.2	1.0	-.1	-.2	-.1	.6	.0	.4
29	8.3	6.8	7.6	2.2	-.2	.8	-.1	-.2	-.1	.9	.1	.4
30	8.4	6.3	7.4	2.6	-.2	1.1	-.1	-.2	-.1	.6	-.1	.1
31	8.1	5.9	7.0	---	---	---	-.1	-.2	-.1	.1	-.1	-.1
MONTH	16.4	4.4	9.6	6.9	-.2	1.8	3.1	-.2	.4	.9	-.2	.0

09371492 MUD CREEK AT HIGHWAY 32, NEAR CORTEZ, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	-.1	-.1	-.1	4.6	1.5	2.8	12.4	3.9	8.0	19.6	8.3	13.7
2	-.1	-.2	-.1	4.9	-.1	2.4	11.9	6.7	9.2	17.9	10.1	13.4
3	-.1	-.1	-.1	4.5	1.3	2.8	13.5	6.3	9.7	11.4	8.8	9.9
4	.0	-.1	-.1	5.8	.1	2.9	12.0	6.6	9.3	11.6	6.6	9.2
5	.5	-.1	.0	6.9	2.5	4.5	9.6	6.1	7.5	12.9	8.0	10.2
6	-.1	-.2	-.1	7.2	3.5	5.3	9.2	6.4	7.7	17.0	7.4	11.7
7	.1	-.2	-.1	6.1	4.1	5.0	8.1	5.2	6.8	18.1	8.2	12.7
8	.7	-.1	.2	8.9	3.8	6.1	9.0	5.2	6.6	19.2	8.7	13.5
9	.8	-.2	.0	7.5	3.3	5.6	11.8	2.6	7.0	18.2	8.9	13.3
10	1.4	-.2	.2	6.6	4.5	5.5	7.8	4.7	5.9	19.0	9.6	13.9
11	2.5	-.2	.8	5.2	3.0	4.2	10.7	3.6	6.6	20.3	10.2	14.8
12	2.8	-.2	.9	7.6	3.3	5.2	7.9	4.7	6.3	22.1	10.5	15.6
13	2.2	-.2	.9	8.4	1.9	5.1	11.8	2.4	6.7	18.7	14.2	16.2
14	3.5	.1	1.4	8.5	2.6	5.2	12.9	3.5	7.9	20.8	11.9	16.1
15	2.6	-.2	.8	7.1	.8	3.8	13.8	3.8	8.5	20.1	12.6	16.2
16	2.8	-.2	.7	6.8	1.9	4.3	14.8	4.2	9.3	19.0	13.7	16.5
17	3.5	-.2	1.2	6.1	2.3	4.1	16.2	5.2	10.4	17.9	15.3	16.5
18	4.2	1.2	2.4	7.7	1.3	4.5	16.0	7.0	11.5	18.6	12.3	15.6
19	5.1	.5	2.5	9.6	2.2	5.8	15.3	10.2	12.3	18.3	15.0	16.2
20	4.0	.5	2.1	10.5	3.2	6.8	15.3	9.5	11.8	19.0	13.2	16.0
21	4.7	1.3	2.7	11.2	4.2	7.8	10.6	7.5	8.8	17.9	13.1	15.8
22	4.4	.5	2.4	11.5	5.3	8.4	8.4	6.0	7.3	18.3	11.3	14.8
23	2.7	1.3	1.8	11.8	7.2	9.3	13.8	3.9	8.4	19.7	12.5	16.2
24	3.7	.5	1.8	10.9	5.0	8.0	16.2	5.4	10.5	19.8	13.4	16.8
25	3.9	1.4	2.4	12.1	4.6	8.3	17.3	6.6	11.7	20.0	13.9	17.1
26	3.2	.6	1.8	11.0	5.0	8.0	18.0	7.4	12.4	21.6	15.3	18.5
27	4.7	2.0	3.3	10.5	5.0	7.6	18.0	8.3	12.9	20.7	14.7	17.9
28	4.4	1.9	3.1	8.5	3.8	6.1	17.9	9.9	13.8	20.7	15.9	18.3
29	---	---	---	8.9	3.2	5.8	19.1	9.8	14.1	19.2	14.8	17.3
30	---	---	---	11.1	2.7	6.7	18.8	8.1	13.2	20.6	14.2	17.3
31	---	---	---	11.9	2.8	7.2	---	---	---	20.6	13.9	17.4
MONTH	5.1	-.2	1.2	12.1	-.1	5.6	19.1	2.4	9.4	22.1	6.6	15.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.0	14.1	17.7	23.6	19.5	21.3	21.8	18.8	20.1	20.0	15.1	17.6
2	19.9	14.5	17.5	23.0	17.9	20.7	22.0	18.9	20.5	20.4	14.7	17.4
3	19.9	15.2	17.5	24.1	19.5	21.9	23.1	19.5	21.0	20.7	14.8	17.6
4	19.4	14.2	17.0	23.6	19.6	21.6	22.3	19.2	20.9	19.8	15.8	17.8
5	19.3	13.0	16.5	24.0	18.4	21.2	23.2	19.4	21.3	19.9	16.2	18.1
6	20.6	13.6	17.3	24.5	19.5	22.1	23.0	19.1	21.3	19.0	16.3	17.6
7	21.7	15.6	18.8	24.4	19.9	22.2	21.9	19.3	20.1	17.3	13.8	15.7
8	22.9	17.3	19.9	24.7	19.3	22.0	21.0	17.4	18.9	15.9	12.8	14.4
9	22.6	16.9	19.8	24.9	20.0	22.4	21.0	17.6	19.5	15.0	10.9	13.2
10	22.2	15.7	19.1	24.3	20.1	22.1	21.6	18.6	20.0	15.7	11.0	13.5
11	21.8	15.5	18.7	24.2	19.7	22.0	21.9	18.1	20.1	16.7	12.3	14.7
12	19.0	15.3	17.4	24.0	20.2	22.3	22.4	18.5	20.4	17.0	13.3	15.5
13	16.7	13.4	14.8	23.1	20.4	21.6	20.9	18.6	19.5	18.9	15.4	17.1
14	17.5	10.3	13.7	21.8	19.0	20.4	20.5	17.2	18.7	18.7	15.3	17.2
15	19.2	11.1	15.1	21.1	18.4	19.9	20.8	17.2	19.1	17.8	14.7	16.5
16	20.9	12.4	16.6	21.3	17.1	19.3	21.6	17.0	19.3	17.1	14.3	15.9
17	21.8	13.4	17.5	19.7	16.7	18.4	21.5	16.9	19.2	17.6	15.2	16.5
18	21.8	13.6	17.6	21.6	16.8	19.2	22.0	17.0	19.5	17.7	14.4	16.2
19	21.4	13.9	17.7	21.6	17.2	19.5	22.0	17.3	19.7	16.7	13.4	15.3
20	22.4	14.8	18.5	22.9	17.7	20.2	21.8	18.4	20.1	16.6	13.1	15.1
21	22.2	14.7	18.5	23.2	18.1	20.7	19.9	17.5	18.9	15.9	12.9	14.7
22	22.1	15.9	19.1	23.7	18.4	20.9	19.5	17.1	18.2	15.7	12.4	14.3
23	23.0	17.2	20.1	22.9	18.1	20.1	19.6	15.0	17.4	16.5	12.1	14.5
24	22.4	18.7	20.7	22.2	18.9	20.3	19.8	15.9	17.9	16.8	12.9	15.1
25	23.7	17.5	20.5	20.8	17.6	19.4	21.5	16.3	18.7	16.6	13.0	15.1
26	20.7	18.0	19.3	21.0	17.7	19.3	21.9	16.1	18.8	16.3	12.7	14.8
27	20.6	16.6	18.6	21.6	16.9	19.2	22.1	16.2	18.9	16.3	12.5	14.6
28	22.2	16.4	19.3	22.4	17.6	20.2	22.5	17.0	19.3	16.0	12.7	14.6
29	23.4	18.3	20.9	22.3	17.7	20.3	21.4	16.4	18.7	16.4	13.1	14.9
30	23.7	18.2	21.1	21.6	19.4	20.7	21.6	16.8	18.9	15.9	13.0	14.7
31	---	---	---	20.8	18.6	20.0	20.5	16.0	18.1	---	---	---
MONTH	23.7	10.3	18.2	24.9	16.7	20.7	23.2	15.0	19.5	20.7	10.9	15.7
YEAR	24.9	-.2	9.8									

09371520 McELMO CREEK ABOVE TRAIL CANYON, NEAR CORTEZ, CO

LOCATION.--Lat 37°19'36", long 108°42'00", in $NE^1/_4NE^1/_4$ 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	68	27	e20	e15	31	18	21	50	55	115	80
2	71	55	26	e19	e17	26	20	27	52	67	138	77
3	59	46	27	e19	e19	23	21	36	52	62	114	75
4	57	42	26	e19	e22	21	21	44	51	59	138	67
5	57	46	29	e19	e28	21	20	44	42	57	117	67
6	50	47	25	e19	e40	21	25	46	37	52	100	65
7	40	38	25	e19	e70	21	26	40	42	50	122	73
8	41	36	26	e19	e50	23	20	35	47	52	116	75
9	52	37	28	e19	e41	25	18	38	54	57	114	78
10	51	37	27	e18	e33	23	16	36	49	57	129	80
11	59	40	28	e18	e27	24	18	37	46	67	130	78
12	63	41	27	e18	e22	25	16	34	40	63	113	81
13	57	38	27	e18	25	24	17	37	45	60	106	86
14	52	39	26	e17	28	22	16	44	65	65	216	100
15	50	40	26	e17	26	19	15	47	65	76	163	96
16	48	36	24	e17	25	18	16	40	55	84	102	89
17	45	33	e23	e17	25	21	16	39	49	72	100	119
18	44	39	e21	e17	26	24	13	39	51	69	91	117
19	42	42	e21	e17	26	22	12	38	56	68	81	100
20	43	44	e21	e17	25	20	9.2	63	56	68	83	96
21	44	48	21	e17	23	18	9.0	56	55	66	100	95
22	52	38	e22	e18	23	18	13	53	49	65	110	90
23	74	33	22	e19	23	19	16	47	50	65	116	90
24	120	32	e21	e18	24	20	13	43	56	60	104	91
25	71	30	e21	e17	23	19	11	38	56	57	94	94
26	59	28	e21	e17	22	19	28	38	53	71	87	90
27	50	29	22	e17	28	20	23	42	67	76	83	85
28	65	28	e22	e17	31	19	19	45	60	68	81	81
29	73	27	e21	e17	---	18	28	42	51	69	83	76
30	55	28	e21	e17	---	18	25	46	53	70	80	80
31	69	---	e20	e17	---	17	---	47	---	79	85	---
TOTAL	1791	1165	744	554	787	659	538.2	1282	1554	2006	3411	2571
MEAN	57.8	38.8	24.0	17.9	28.1	21.3	17.9	41.4	51.8	64.7	110	85.7
MAX	120	68	29	20	70	31	28	63	67	84	216	119
MIN	40	27	20	17	15	17	9.0	21	37	50	80	65
AC-FT	3550	2310	1480	1100	1560	1310	1070	2540	3080	3980	6770	5100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2001, BY WATER YEAR (WY)

MEAN	86.0	55.0	34.4	34.7	39.8	41.4	34.0	62.4	79.5	91.0	108	104
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	57.8	37.1	24.0	17.9	26.7	19.9	17.9	41.4	51.8	64.7	94.2	80.4
(WY)	2001	1997	2001	2001	1996	1996	2001	2001	2001	2001	1996	1996

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1993 - 2001	
ANNUAL TOTAL	20383		17062.2			
ANNUAL MEAN	55.7		46.7		64.2	
HIGHEST ANNUAL MEAN					78.8	1997
LOWEST ANNUAL MEAN					46.7	2001
HIGHEST DAILY MEAN	147	Sep 9	216	Aug 14	757	Mar 6 1995
LOWEST DAILY MEAN	14	Apr 11	9.0	Apr 21	9.0	Apr 21 2001
ANNUAL SEVEN-DAY MINIMUM	15	Apr 10	12	Apr 19	12	Apr 19 2001
MAXIMUM PEAK FLOW			275	Aug 14	1080	Mar 6 1995
MAXIMUM PEAK STAGE			4.28	Aug 14	8.42	Mar 6 1995
ANNUAL RUNOFF (AC-FT)	40430		33840		46540	
10 PERCENT EXCEEDS	94		89		114	
50 PERCENT EXCEEDS	51		40		55	
90 PERCENT EXCEEDS	22		18		24	

e Estimated.

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 Aug. 21 to Sept. 30 which are fair and Oct. 1 to Feb. 28 which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 3,820 microsiemens/cm, Jan. 22, 1999; minimum, 947 microsiemens/cm, 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, 3,290 microsiemens/cm, Apr. 20, 21; minimum, 1,120 microsiemens/cm, June 9.
WATER TEMPERATURE: Maximum, 26.2°C, July 6; minimum, -0.3°C, on several days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
27...	1015	50	2120	8.4	8.3	1150	272	115	97.1	1.24	5.14	260	1040
DEC													
18...	1300	15	2870	8.4	-0.1	1590	348	176	168	1.83	4.30	286	1580
FEB													
01...	1315	17	3130	8.4	-0.2	1650	349	190	200	2.14	4.87	325	1710
28...	1330	29	2800	8.6	4.8	1420	283	173	173	2.00	5.66	244	1500
APR													
18...	1400	13	2930	8.4	17.7	1490	287	187	201	2.27	5.30	197	1620
MAY													
31...	1330	48	1270	8.4	19.4	604	142	60.4	56.4	.999	4.35	210	511
JUL													
24...	1215	60	1280	8.4	19.9	622	153	58.5	52.3	.913	3.59	223	490
AUG													
14...	1600	270	1640	8.1	20.2	733	167	76.6	93.2	1.50	7.32	192	699
21...	1145	99	1480	8.3	18.6	713	174	67.7	52.0	.847	4.50	232	618

DATE	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...	23.3	.4	10.4	1720	2.3	234
DEC						
18...	31.7	.3	10.5	2490	3.4	102
FEB						
01...	39.0	.4	10.1	2700	3.7	125
28...	36.8	.3	6.5	2320	3.2	182
APR						
18...	39.7	.3	3.2	2460	3.3	85
MAY						
31...	13.3	.3	11.2	925	1.3	119
JUL						
24...	12.7	.3	11.6	915	1.2	147
AUG						
14...	26.3	.4	11.6	1200	1.6	872
21...	14.9	.3	12.2	1080	1.5	291

09371520 McELMO CREEK ABOVE TRAIL CANYON, NEAR CORTEZ, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1340	1290	1320	2240	2140	2190	2430	2350	2390	2800	2560	2700
2	1400	1300	1350	2320	2240	2300	2470	2340	2390	2820	2520	2700
3	1460	1400	1420	2350	2300	2320	2460	2360	2400	2820	2540	2700
4	1470	1440	1450	2360	2340	2350	2450	2340	2390	2810	2540	2690
5	1610	1470	1500	2370	2260	2330	2440	2160	2370	2800	2550	2670
6	1670	1580	1640	2320	2240	2290	2350	2160	2250	2730	2520	2640
7	1700	1670	1690	2350	2310	2320	2520	2300	2420	2720	2530	2640
8	1710	1670	1690	2360	2320	2330	2540	2450	2500	2820	2550	2690
9	1710	1670	1680	2330	2290	2310	2530	2470	2500	2770	2610	2710
10	1750	1660	1700	2420	2270	2330	2560	2500	2530	2690	2550	2600
11	1850	1750	1820	2310	2270	2290	2590	2540	2570	2760	2520	2630
12	1870	1700	1810	2330	2280	2300	2620	2540	2580	2750	2520	2650
13	1830	1770	1800	2380	2260	2310	2620	2550	2580	2660	2600	2630
14	1870	1820	1840	2410	2230	2310	2640	2550	2610	2830	2640	2730
15	1870	1800	1840	2280	2220	2260	2820	2640	2730	2970	2670	2860
16	1840	1800	1820	2300	2210	2250	2780	2610	2670	2870	2720	2790
17	1860	1800	1830	2390	2170	2280	2820	2620	2700	2920	2710	2820
18	1880	1840	1860	2380	2150	2250	3110	2740	2860	3090	2710	2950
19	1880	1840	1860	2380	2170	2260	3150	2790	2980	3210	2890	3050
20	1930	1860	1910	2340	2170	2250	2970	2660	2820	3100	2870	3000
21	1960	1920	1940	2270	2140	2200	2850	2610	2760	3070	2810	2960
22	1960	1920	1940	2260	2140	2200	2840	2550	2720	3160	2800	2980
23	2010	1900	1950	2290	2240	2260	2800	2530	2690	2910	2740	2820
24	2200	1930	2050	2360	2260	2310	2790	2520	2680	2920	2620	2800
25	2060	1980	2030	2350	2300	2330	2710	2560	2610	2780	2600	2730
26	2150	2060	2090	2400	2320	2350	2710	2500	2630	2900	2660	2810
27	2280	2130	2190	2410	2350	2380	2810	2550	2700	2900	2720	2830
28	2360	2080	2170	2370	2320	2350	2860	2560	2730	2840	2740	2800
29	2320	2100	2170	2420	2310	2350	2840	2570	2720	2830	2770	2800
30	2210	2180	2190	2420	2350	2390	2860	2550	2720	3010	2750	2880
31	2320	2040	2170	---	---	---	2880	2540	2690	3130	2900	3000
MONTH	2360	1290	1830	2420	2140	2300	3150	2160	2610	3210	2520	2780

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3190	2910	3070	3090	2950	3010	3080	2860	2960	2610	2060	2310
2	3180	2860	3050	3040	2890	2980	3030	2840	2930	2600	1940	2180
3	3020	2730	2940	3060	2950	2990	2890	2720	2810	1940	1700	1800
4	2900	2610	2820	3030	2910	2970	2810	2530	2690	1770	1670	1720
5	2840	2480	2690	3000	2850	2940	2570	2510	2540	1780	1720	1750
6	2790	2520	2640	2930	2850	2900	2760	2470	2580	1760	1680	1720
7	2620	2150	2500	2900	2820	2870	3030	2740	2940	1790	1680	1750
8	2320	2080	2180	2920	2840	2880	3060	2960	3000	1810	1730	1760
9	2620	2320	2480	2980	2870	2920	3100	2910	3020	1850	1630	1740
10	2830	2590	2680	3040	2900	2950	3080	2950	3000	1960	1690	1850
11	2860	2700	2780	3040	2860	2940	3020	2820	2940	1720	1610	1670
12	2970	2740	2830	2930	2850	2890	2970	2820	2900	2290	1650	1770
13	2920	2760	2800	3070	2920	2990	3000	2910	2940	1960	1570	1710
14	2770	2670	2700	3110	3000	3040	3140	2970	3050	1570	1500	1540
15	2890	2660	2740	3090	2970	3030	3230	3080	3130	1650	1560	1610
16	2880	2640	2740	3060	2950	3010	3130	3060	3100	1680	1490	1610
17	2800	2630	2690	2970	2810	2880	3090	2860	2990	1550	1490	1530
18	2720	2640	2680	3060	2840	2980	3090	2860	2970	1570	1520	1550
19	2710	2650	2670	3060	2970	3010	3210	3030	3120	1580	1470	1540
20	2750	2680	2720	3080	2960	3020	3290	3080	3160	2140	1490	1650
21	2850	2730	2810	3020	2950	2990	3290	3200	3230	1550	1400	1480
22	2910	2830	2870	3020	2960	2990	3270	3050	3140	1440	1320	1370
23	2950	2840	2900	3030	2930	2980	3210	3090	3130	1410	1300	1350
24	2940	2880	2920	2990	2860	2930	3230	3110	3170	1460	1370	1430
25	2930	2850	2900	2950	2850	2900	3210	3100	3140	1550	1420	1500
26	2920	2830	2880	2910	2770	2860	3170	1660	2100	1480	1350	1420
27	2850	2790	2820	2850	2720	2800	2680	1750	2210	1440	1310	1370
28	2950	2790	2860	2970	2720	2860	2680	2450	2530	1360	1240	1300
29	---	---	---	2880	2690	2750	2500	1790	2060	1410	1280	1360
30	---	---	---	2920	2780	2840	2060	1810	1890	1450	1290	1370
31	---	---	---	2930	2830	2880	---	---	---	1360	1250	1310
MONTH	3190	2080	2760	3110	2690	2930	3290	1660	2850	2610	1240	1610

09371520 McELMO CREEK ABOVE TRAIL CANYON, NEAR CORTEZ, CO--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	1310	1220	1260	1250	1190	1220	1340	1180	1260	1630	1540	1570
2	1290	1200	1240	1250	1160	1230	1470	1300	1330	1540	1470	1490
3	1260	1210	1230	1270	1200	1230	1310	1230	1250	1600	1470	1510
4	1240	1170	1210	1310	1240	1280	1380	1260	1330	1640	1560	1600
5	1440	1240	1360	1300	1190	1270	1350	1320	1330	1610	1560	1590
6	1520	1440	1490	1290	1240	1270	1340	1260	1310	1630	1580	1610
7	1520	1310	1420	1290	1230	1260	1430	1200	1300	1620	1510	1550
8	1360	1260	1310	1280	1140	1240	1310	1280	1290	1540	1490	1510
9	1300	1120	1160	1240	1180	1210	1280	1220	1250	1510	1470	1500
10	1200	1150	1170	1310	1210	1270	1380	1130	1300	1510	1470	1490
11	1260	1150	1200	1320	1220	1290	1350	1270	1320	1540	1490	1510
12	1280	1180	1230	1310	1240	1280	1530	1340	1380	1510	1440	1470
13	1360	1220	1280	1300	1230	1270	1470	1280	1370	1460	1320	1390
14	1250	1180	1210	1280	1220	1250	1830	1360	1550	1530	1300	1370
15	1300	1200	1240	1300	1260	1280	1680	1560	1590	1430	1300	1340
16	1410	1300	1370	1300	1240	1250	1570	1510	1530	1400	1360	1380
17	1470	1360	1420	1260	1230	1240	1520	1460	1490	1490	1330	1410
18	1420	1290	1370	1280	1230	1260	1550	1460	1490	1460	1400	1420
19	1310	1200	1240	1350	1260	1300	1500	1460	1490	1430	1410	1420
20	1270	1160	1220	1370	1260	1300	1500	1360	1430	1420	1390	1400
21	1250	1160	1210	1370	1310	1330	1530	1430	1490	1420	1400	1410
22	1290	1200	1250	1330	1270	1290	1490	1400	1430	1430	1390	1410
23	1360	1260	1320	1280	1220	1250	1420	1340	1370	1390	1360	1370
24	1400	1260	1320	1310	1230	1280	1360	1320	1340	1390	1360	1370
25	1320	1260	1300	1340	1310	1330	1430	1340	1370	1380	1320	1350
26	1350	1270	1310	1530	1260	1340	1420	1370	1400	1400	1360	1370
27	1360	1300	1330	1400	1330	1350	1430	1390	1400	1440	1380	1400
28	1320	1290	1310	1330	1250	1290	1450	1400	1420	1460	1440	1450
29	1340	1280	1320	1260	1190	1210	1500	1440	1470	1470	1450	1460
30	1290	1180	1240	1220	1140	1180	1470	1440	1460	1470	1440	1450
31	---	---	---	1250	1170	1210	1760	1440	1540	---	---	---
MONTH	1520	1120	1280	1530	1140	1270	1830	1130	1400	1640	1300	1450
YEAR	3290	1120	2090									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.0	12.7	14.9	7.1	5.4	6.1	2.7	-.2	1.3	-.2	-.2	-.2
2	16.6	12.0	14.3	7.0	4.8	5.8	2.9	-.3	1.2	-.1	-.2	-.2
3	16.7	11.9	14.2	7.4	5.3	6.1	2.8	-.3	1.2	-.1	-.1	-.1
4	14.7	13.0	13.7	7.5	4.4	6.2	1.9	-.3	.6	-.1	-.1	-.1
5	15.7	10.8	13.2	7.8	4.6	6.6	1.5	-.3	.4	-.1	-.1	-.1
6	15.1	10.4	12.8	5.2	3.0	4.1	2.1	-.3	.5	-.1	-.1	-.1
7	14.4	10.2	12.4	4.3	1.1	2.7	1.7	-.3	.6	-.1	-.1	-.1
8	12.9	11.1	12.1	3.5	.0	1.9	3.3	.9	2.0	-.1	-.1	-.1
9	13.4	9.6	11.3	4.3	.5	2.4	4.3	2.4	3.1	-.1	-.1	-.1
10	11.5	9.9	10.7	3.3	2.1	2.7	3.8	2.2	3.0	.0	-.1	-.1
11	12.6	10.1	11.2	3.2	1.5	2.3	3.6	2.2	2.7	.0	-.1	-.1
12	12.8	9.8	11.3	2.7	.1	1.3	3.9	1.3	2.4	.0	-.1	-.1
13	11.7	8.1	9.9	1.8	-.3	.4	2.8	1.3	2.0	-.1	-.1	-.1
14	11.1	6.5	8.9	1.0	-.2	.2	2.7	.2	1.4	-.1	-.1	-.1
15	10.9	6.1	8.6	2.8	-.3	1.0	2.1	-.3	.8	-.1	-.1	-.1
16	11.3	6.4	8.8	2.3	-.3	.6	1.1	-.3	.1	-.1	-.1	-.1
17	11.2	6.2	8.8	.3	-.3	-.1	.0	-.2	-.2	-.1	-.1	-.1
18	11.6	6.3	9.0	-.1	-.2	-.2	-.1	-.3	-.2	-.1	-.1	-.1
19	11.2	7.3	9.3	-.1	-.3	-.2	-.1	-.2	-.2	-.1	-.1	-.1
20	11.6	6.7	9.2	.0	-.3	-.2	-.2	-.2	-.2	-.1	-.1	-.1
21	10.6	6.8	8.8	.1	-.3	-.2	-.2	-.2	-.2	-.1	-.1	-.1
22	10.0	9.1	9.6	2.6	-.2	1.1	-.2	-.2	-.2	-.1	-.1	-.1
23	9.8	8.8	9.2	4.8	2.1	3.2	-.2	-.2	-.2	-.1	-.1	-.1
24	9.4	7.1	8.4	3.0	.3	1.8	-.2	-.2	-.2	-.1	-.1	-.1
25	9.8	7.0	8.3	2.8	-.2	1.2	-.2	-.2	-.2	-.1	-.1	-.1
26	10.4	6.6	8.4	2.2	-.3	.9	-.2	-.2	-.2	-.1	-.1	-.1
27	10.0	8.0	9.1	3.6	.4	1.8	-.2	-.2	-.2	-.1	-.1	-.1
28	9.7	8.3	9.0	3.5	.1	1.9	-.2	-.2	-.2	-.1	-.1	-.1
29	8.7	7.3	8.0	3.4	-.2	1.7	-.2	-.2	-.2	-.1	-.1	-.1
30	9.0	6.8	8.0	4.0	.3	2.1	-.2	-.2	-.2	-.1	-.1	-.1
31	8.3	6.1	7.3	---	---	---	-.1	-.2	-.2	-.1	-.1	-.1
MONTH	17.0	6.1	10.3	7.8	-.3	2.2	4.3	-.3	.7	.0	-.2	-.1

09371520 McELMO CREEK ABOVE TRAIL CANYON, NEAR CORTEZ, CO--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	-.1	-.1	-.1	5.9	2.6	3.9	15.1	6.0	10.4	21.3	11.2	16.2
2	-.1	-.2	-.1	6.4	.5	3.4	14.6	8.8	11.5	19.6	12.4	15.7
3	-.1	-.1	-.1	7.7	2.3	4.6	16.0	8.0	11.8	13.3	9.5	11.1
4	-.1	-.1	-.1	8.4	2.0	5.2	14.3	8.4	11.2	13.0	7.3	10.2
5	-.1	-.1	-.1	8.7	3.8	6.1	11.5	7.8	9.0	13.2	8.5	10.8
6	-.1	-.1	-.1	9.1	4.8	6.8	10.6	7.2	8.5	17.4	8.4	12.7
7	.0	-.1	-.1	7.9	5.3	6.5	9.0	6.0	7.5	18.8	9.5	14.0
8	.0	-.1	-.1	9.4	4.9	7.2	11.0	5.8	7.6	20.4	10.3	15.3
9	.0	-.1	-.1	10.3	5.3	7.8	13.8	3.5	8.4	19.7	11.6	15.8
10	.3	-.1	.0	8.3	5.6	6.9	9.8	5.7	7.3	20.0	11.9	15.9
11	2.2	-.1	.5	6.1	3.9	5.1	12.9	3.6	7.8	21.3	12.6	16.8
12	3.7	-.2	1.2	8.8	3.5	5.8	10.2	6.3	8.0	21.8	12.4	17.1
13	3.1	-.2	1.5	10.5	3.0	6.6	14.1	3.5	8.4	20.4	15.1	17.4
14	4.1	1.0	2.4	10.5	3.6	6.6	15.2	5.3	10.1	21.0	13.2	17.0
15	4.2	-.2	1.7	8.9	1.5	5.1	16.3	6.0	11.1	21.0	13.2	17.0
16	4.0	-.1	1.4	8.1	2.8	5.3	17.7	6.8	12.1	20.5	13.7	17.2
17	5.2	-.1	2.2	7.8	1.8	4.6	18.9	7.9	13.4	18.3	15.3	16.7
18	5.4	2.2	3.6	9.6	2.0	5.6	19.1	9.7	14.5	20.1	12.4	16.3
19	7.2	2.1	4.4	11.8	3.3	7.4	17.3	11.3	14.2	18.8	15.3	16.9
20	5.6	2.2	3.8	12.9	4.6	8.8	17.6	10.9	13.8	20.0	13.1	16.4
21	7.2	2.3	4.4	13.8	5.9	9.9	12.8	9.3	10.6	18.8	12.8	15.8
22	6.2	2.4	4.2	14.7	7.2	10.7	9.3	6.5	8.0	19.4	10.9	15.2
23	4.0	2.3	3.0	14.5	8.9	11.5	16.1	4.7	10.0	21.0	12.3	16.6
24	5.8	1.0	3.0	14.3	7.0	10.7	18.7	7.4	12.9	21.8	13.4	17.5
25	5.3	2.2	3.5	14.6	7.2	10.9	20.2	9.0	14.5	21.6	13.8	17.7
26	4.1	1.4	2.7	14.3	7.1	10.4	19.4	10.2	14.8	23.1	15.3	19.1
27	6.1	2.9	4.4	13.4	7.1	9.8	19.7	10.7	15.2	22.4	14.6	18.6
28	5.6	3.2	4.2	11.0	5.0	7.8	18.7	12.1	15.5	22.2	15.6	18.7
29	---	---	---	10.5	4.6	7.4	20.4	11.8	15.8	20.8	14.4	17.7
30	---	---	---	13.1	4.1	8.5	19.9	10.7	15.3	21.8	13.7	17.6
31	---	---	---	14.4	4.7	9.5	---	---	---	21.8	13.6	17.7
MONTH	7.2	-.2	1.8	14.7	.5	7.3	20.4	3.5	11.3	23.1	7.3	16.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.3	13.9	18.1	24.3	19.4	21.6	21.9	18.6	20.1	20.8	15.9	18.4
2	20.5	14.1	17.6	24.1	17.8	21.1	22.8	19.0	20.7	20.5	15.6	18.1
3	21.3	14.8	17.8	25.5	19.2	22.2	22.9	19.6	21.2	21.2	15.6	18.3
4	20.5	14.0	17.1	24.7	19.5	22.0	23.1	19.4	21.3	21.8	16.3	18.8
5	20.7	12.8	16.9	25.5	18.3	21.7	23.7	19.7	21.6	21.4	16.4	18.8
6	23.0	13.5	18.1	26.2	19.5	22.5	23.8	19.6	21.8	20.6	16.3	18.2
7	23.8	15.1	19.5	24.7	19.8	22.3	21.9	19.3	20.1	18.0	13.7	15.9
8	25.6	17.2	20.7	26.1	19.2	22.4	21.6	17.6	19.4	16.8	12.7	14.7
9	23.7	16.4	19.9	26.0	19.6	22.6	22.3	17.9	20.0	16.2	10.9	13.6
10	23.4	15.3	19.4	25.9	20.0	22.6	22.8	19.1	20.6	16.9	10.9	13.9
11	23.3	15.1	19.1	25.2	19.7	22.3	22.9	18.6	20.7	17.9	12.3	15.1
12	20.6	15.1	17.9	24.8	20.2	22.4	23.2	18.8	20.8	18.6	13.4	16.0
13	16.9	12.7	14.6	22.5	20.0	21.3	20.9	19.0	19.9	20.0	15.5	17.5
14	17.9	9.9	13.8	21.4	18.6	20.1	20.6	17.9	19.2	19.6	15.4	17.5
15	20.0	11.7	15.8	21.8	18.1	19.9	21.6	17.5	19.6	18.9	14.7	16.8
16	21.7	13.0	17.3	22.6	16.7	19.6	22.1	17.4	19.7	18.1	14.2	16.2
17	22.4	14.1	18.2	20.9	16.5	18.7	22.4	17.4	19.8	18.6	15.3	16.9
18	22.4	14.5	18.5	21.9	16.9	19.5	22.7	17.4	20.0	18.7	14.6	16.6
19	22.2	14.8	18.6	22.9	17.2	20.2	22.6	17.7	20.2	17.6	13.5	15.6
20	23.0	15.0	19.0	23.3	17.8	20.5	22.3	18.9	20.5	17.5	13.2	15.4
21	23.4	15.6	19.4	23.8	18.3	21.1	20.4	17.9	19.2	16.4	13.0	14.9
22	23.0	15.8	19.5	24.2	18.5	21.3	20.2	17.3	18.5	16.4	12.6	14.6
23	24.5	16.7	20.5	22.9	17.8	20.2	20.7	15.5	18.0	17.3	12.2	14.8
24	23.5	18.8	21.1	23.2	18.5	20.4	20.6	16.3	18.4	17.7	12.9	15.3
25	24.3	17.5	20.9	22.2	17.1	19.6	22.2	16.8	19.3	17.5	13.0	15.3
26	21.5	18.4	19.9	20.9	17.9	19.3	22.5	16.7	19.5	17.2	12.8	15.0
27	21.9	16.4	19.1	22.8	16.9	19.8	22.7	16.9	19.7	17.2	12.6	14.9
28	23.3	16.4	19.9	23.9	17.0	20.4	22.7	17.4	19.8	17.0	12.7	14.9
29	25.5	17.7	21.3	23.5	17.1	20.6	21.5	17.1	19.3	17.3	13.0	15.1
30	25.6	18.2	21.7	21.8	18.9	20.6	21.6	17.6	19.5	17.0	12.8	14.9
31	---	---	---	21.6	18.6	20.0	20.4	16.8	18.7	---	---	---
MONTH	25.6	9.9	18.7	26.2	16.5	20.9	23.8	15.5	19.9	21.8	10.9	16.1
YEAR	26.2	-.3	10.5									

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	84	33	26	17	33	16	6.1	20	30	62	68
2	73	70	32	24	20	30	16	5.5	27	37	106	65
3	66	59	32	23	21	25	17	8.2	29	40	99	58
4	59	52	32	e23	22	22	18	19	26	37	101	56
5	57	46	31	23	24	20	17	17	20	32	112	47
6	59	57	32	e23	33	19	19	12	15	32	88	48
7	48	50	29	e22	52	19	28	12	15	25	95	51
8	46	45	32	22	80	21	20	9.2	17	27	96	56
9	48	44	33	e22	43	24	16	7.2	21	28	121	62
10	51	46	35	e22	28	24	16	6.2	23	33	148	64
11	53	48	34	e21	30	23	15	7.6	19	36	128	68
12	59	50	34	e21	24	24	14	5.1	18	40	114	69
13	62	46	33	e20	24	25	13	5.1	18	38	110	70
14	56	41	33	20	26	21	12	8.7	31	38	275	76
15	55	52	33	22	25	18	11	13	41	51	216	87
16	51	45	31	e21	23	15	11	12	30	59	128	91
17	48	38	26	e20	23	19	11	11	26	58	102	107
18	44	33	27	19	23	23	10	13	21	50	92	125
19	45	35	e28	19	25	22	6.4	13	29	50	79	104
20	42	37	e28	e20	24	19	5.5	26	32	51	71	90
21	40	38	e28	e21	22	17	5.1	34	33	46	85	88
22	48	44	e27	21	21	17	5.9	24	27	44	93	83
23	69	39	e28	22	21	17	5.8	23	22	43	101	78
24	122	40	e28	21	22	18	4.3	19	23	43	98	75
25	92	37	e27	e22	22	17	3.2	16	25	35	89	74
26	72	34	26	19	22	17	3.9	12	24	38	77	77
27	61	35	27	e22	26	17	13	17	33	44	70	76
28	58	36	e27	e20	35	18	9.2	19	39	46	66	75
29	88	34	26	e20	---	17	3.9	16	30	64	64	69
30	70	33	e27	19	---	16	6.7	14	26	42	62	70
31	68	---	27	17	---	16	---	17	---	42	63	---
TOTAL	1886	1348	926	657	778	633	352.9	427.9	760	1279	3211	2227
MEAN	60.8	44.9	29.9	21.2	27.8	20.4	11.8	13.8	25.3	41.3	104	74.2
MAX	122	84	35	26	80	33	28	34	41	64	275	125
MIN	40	33	26	17	17	15	3.2	5.1	15	25	62	47
AC-FT	3740	2670	1840	1300	1540	1260	700	849	1510	2540	6370	4420

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

MEAN	60.7	51.5	39.5	33.6	48.3	57.8	40.6	47.2	55.4	53.9	66.5	62.3
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1951 - 2001	
ANNUAL TOTAL	17141		14485.8			
ANNUAL MEAN	46.8		39.7		51.9	
HIGHEST ANNUAL MEAN					94.6	1973
LOWEST ANNUAL MEAN					16.2	1977
HIGHEST DAILY MEAN	134	Aug 31	275	Aug 14	1200	Aug 7 1967
LOWEST DAILY MEAN	18	Apr 20	3.2	Apr 25	.08	Sep 9 1977
ANNUAL SEVEN-DAY MINIMUM	19	Apr 15	4.8	Apr 20	.14	Sep 21 1956
MAXIMUM PEAK FLOW			695	Aug 14	a3040	Aug 7 1967
MAXIMUM PEAK STAGE			6.30	Aug 14	b,c7.58	Aug 7 1967
ANNUAL RUNOFF (AC-FT)	34000		28730		37580	
10 PERCENT EXCEEDS	72		78		98	
50 PERCENT EXCEEDS	43		29		39	
90 PERCENT EXCEEDS	26		14		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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
26...	1130	72	2210	8.3	9.4	1200	274	125	111	1.39	6.02	271	1080
DEC													
18...	1100	28	2680	8.3	-0.1	1450	303	168	164	1.87	4.38	273	1450
FEB													
01...	1100	9.6	2940	8.3	0	1530	314	182	194	2.16	4.80	315	1560
28...	1115	40	2660	8.5	4.7	1320	258	163	168	2.02	4.52	246	1410
APR													
18...	1200	9.9	3010	8.3	16.6	1570	310	194	210	2.30	6.55	229	1650
MAY													
31...	1130	18	1930	8.4	19.7	924	198	104	110	1.57	6.10	251	851
JUL													
24...	1000	49	1570	8.3	20.0	747	173	76.5	72.9	1.16	4.20	257	640
AUG													
14...	1315	238	1060	8.1	23.0	463	112	44.7	49.1	.994	6.45	137	413
20...	1115	71	1690	8.3	20.7	830	192	85.0	76.7	1.16	4.99	230	721

DATE	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						
26...	24.4	.4	12.8	1800	2.4	350
DEC						
18...	29.9	.3	9.6	2300	3.1	177
FEB						
01...	38.5	.4	7.8	2490	3.4	64
28...	32.4	.4	3.0	2190	3.0	236
APR						
18...	38.6	.3	6.0	2550	3.5	68
MAY						
31...	22.9	.4	12.6	1460	2.0	70
JUL						
24...	16.0	.4	13.2	1150	1.6	152
AUG						
14...	11.8	.3	8.0	727	1.0	467
20...	17.0	.4	13.1	1250	1.7	238

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		TO ARKANSAS RIVER BASIN		TO RIO GRANDE RIVER BASIN	
09010000	Grand River Ditch	09042000	Hoosier Pass Tunnel	09118200	Tarbell Ditch
09012000	Eureka Ditch	09061500	Columbine Ditch	09121000	Tabor Ditch
09013000	Alva B. Adams Tunnel	09062500	Wurtz Ditch	09341000	Treasure Pass Ditch
09021500	Berthoud Pass Ditch	09063700	Homestake Tunnel	09347000	Don LaFont Ditches 1 & 2
09022500	Moffat Water Tunnel	09073000	Twin Lakes Tunnel	09348000	Williams Creek Squaw Pass Ditch
09046000	Boreas Pass Ditch	09077160	Charles H. Boustead Tunnel	09351000	Pine River-Weminuche Pass Ditch
09047300	Vidler Tunnel	09077500	Busk-Ivanhoe Tunnel	09351500	Weminuche Pass
09050590	Harold D. Roberts Tunnel	09115000	Larkspur Ditch		

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 2001

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	1965-2001	5-23-01	3.76
					6-6-01	2.21
					7-25-01	0.06
					8-30-01	0.007

*-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

Station name and number	Location and drainage area	Period of record	Water year 2001 maximum			Period of record maximum		
			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.	1965-2001	6-7-01	1.85	16.8	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 and Feb. 10, 2001.

EXTREMES FOR CURRENT YEAR.--
AIR TEMPERATURE: Maximum, 24.2°C, July 3; minimum, -24.1°C, Nov. 18, Jan. 31.
PRECIPITATION: Maximum daily, 2.3 inches, Feb. 10.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.5	1.8	8.2	-2.1	-10.5	-6.5	2.8	-13.3	-5.8	3.9	-14.1	-8.4
2	17.3	1.4	8.5	-1.0	-12.9	-7.6	5.7	-9.0	-3.9	.0	-15.3	-10.4
3	13.1	3.5	8.0	2.1	-8.6	-4.0	4.6	-10.5	-5.3	3.9	-13.3	-6.4
4	7.8	-.3	4.3	6.0	-8.6	-2.0	4.9	-11.3	-5.0	7.8	-9.8	-4.1
5	11.3	-2.1	3.0	-1.4	-10.9	-6.3	4.2	-10.1	-3.6	9.2	-7.9	-2.1
6	12.8	-1.4	4.4	-6.8	-17.0	-11.3	6.4	-11.7	-4.8	6.0	-9.4	-3.7
7	13.5	-1.4	4.7	-8.6	-18.8	-13.7	3.2	-7.1	-2.9	2.8	-14.5	-8.5
8	7.4	-1.0	2.1	-.7	-18.8	-9.5	.0	-5.3	-3.2	5.7	-13.3	-6.1
9	10.2	-2.4	2.5	-.3	-9.4	-5.0	2.5	-10.5	-4.9	1.1	-11.3	-4.3
10	6.4	-1.7	1.9	-5.3	-7.9	-6.4	-2.1	-9.8	-5.7	-1.4	-14.5	-7.8
11	3.5	.0	1.8	-7.1	-17.0	-10.7	-7.5	-13.3	-10.4	3.2	-14.5	-6.1
12	5.7	-3.5	.9	-10.5	-21.1	-15.3	-4.6	-9.4	-7.4	-1.0	-10.5	-5.6
13	5.7	-5.7	-.4	-7.1	-22.1	-15.0	-4.2	-10.5	-8.4	-7.9	-20.2	-12.0
14	7.4	-7.1	-1.4	.0	-14.5	-7.2	-3.5	-12.1	-7.6	-4.6	-21.1	-15.1
15	9.5	-4.9	.7	-6.0	-18.8	-11.5	-6.8	-14.5	-9.8	-6.4	-19.3	-12.7
16	8.8	-5.3	.3	-7.5	-21.1	-14.8	-2.1	-20.7	-11.8	-7.1	-20.2	-12.9
17	12.1	-4.6	2.2	-5.7	-22.1	-15.5	3.5	-14.9	-7.3	-7.9	-21.6	-16.8
18	13.5	-2.1	3.6	-4.9	-24.1	-13.9	-9.8	-18.3	-14.7	-4.6	-22.6	-16.0
19	9.9	-2.4	2.4	1.4	-14.1	-8.2	2.1	-16.6	-7.3	.0	-19.3	-12.1
20	11.7	-3.5	2.7	3.9	-13.7	-6.6	-3.1	-17.0	-8.1	-9.8	-19.3	-13.1
21	7.4	-2.1	2.1	6.7	-10.9	-3.3	-.3	-17.9	-9.6	1.8	-18.8	-9.3
22	7.4	-2.1	2.1	6.0	-5.3	-1.7	2.1	-11.7	-3.7	6.4	-11.3	-3.5
23	4.6	-.3	1.2	2.5	-12.1	-5.8	1.4	-12.5	-7.2	-1.0	-12.1	-6.8
24	3.5	-4.2	-.8	2.1	-13.7	-8.2	.7	-11.7	-6.0	2.1	-12.5	-5.3
25	4.9	-8.3	-2.4	-2.1	-13.7	-9.3	-7.5	-14.9	-9.6	-3.5	-16.2	-8.1
26	7.4	-7.5	-.4	2.8	-12.5	-5.7	1.8	-17.0	-10.5	-2.4	-16.2	-8.7
27	7.1	-2.8	1.8	3.9	-7.1	-1.7	2.8	-13.7	-7.9	-5.7	-8.6	-7.4
28	2.1	-3.1	-.9	3.5	-9.0	-3.9	2.8	-12.1	-7.3	-6.0	-12.9	-9.8
29	4.2	-6.8	-1.6	7.4	-10.5	-1.6	-.3	-13.7	-8.9	-6.4	-18.3	-12.1
30	2.8	-5.7	-1.5	2.1	-11.3	-3.8	3.2	-12.9	-6.7	-10.1	-19.7	-14.7
31	-1.0	-12.1	-5.0	---	---	---	1.8	-14.1	-7.7	-6.8	-24.1	-17.3
MONTH	17.3	-12.1	1.8	7.4	-24.1	-7.9	6.4	-20.7	-7.2	9.2	-24.1	-9.3

375546107412000 IRONTON METEOROLOGICAL STATION NEAR OURAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	-5.3	-20.2	-13.9	-3.1	-14.9	-9.5	8.5	-3.8	2.2	15.0	-1.0	7.1
2	.4	-14.5	-7.3	-1.0	-17.0	-9.2	6.0	.0	3.2	11.3	-3.1	5.5
3	1.1	-10.5	-5.7	-2.1	-13.7	-8.6	6.4	-1.0	3.1	1.1	-5.7	-3.5
4	6.4	-11.7	-5.0	4.9	-15.7	-6.3	7.1	-1.4	2.6	2.1	-9.4	-3.1
5	5.3	-10.1	-2.3	6.4	-8.6	-1.8	3.5	-2.8	-.2	1.4	-3.8	-1.7
6	5.7	-9.8	-2.6	5.3	-4.9	-.7	-1.4	-6.8	-3.3	7.4	-4.9	1.7
7	-1.7	-4.9	-3.6	1.8	-5.7	-2.6	-1.7	-8.3	-4.1	10.2	-5.7	2.5
8	-4.2	-13.7	-7.9	4.9	-7.5	-2.0	-.3	-10.5	-4.4	15.0	-3.8	5.1
9	-2.4	-22.1	-11.4	4.9	-8.3	-1.9	2.1	-11.7	-3.6	13.5	-.7	6.1
10	-.3	-13.7	-7.5	1.1	-8.3	-4.0	.4	-8.3	-4.0	13.9	1.1	7.3
11	-3.5	-9.0	-6.8	-4.2	-10.1	-7.3	-2.8	-10.1	-6.6	15.0	-1.0	6.7
12	.0	-13.3	-7.2	-1.7	-10.9	-6.2	-2.1	-11.3	-6.5	14.3	.0	7.1
13	-.7	-11.7	-5.4	2.5	-13.3	-5.4	4.6	-14.1	-4.2	15.4	1.4	7.7
14	-6.4	-18.3	-10.4	-.3	-13.3	-9.1	3.9	-5.3	-.8	13.1	.7	6.4
15	-5.7	-20.2	-13.9	-2.4	-18.3	-9.8	9.2	-7.5	1.4	14.6	.7	7.5
16	1.8	-17.0	-8.4	-2.1	-10.5	-6.2	12.8	-6.4	2.7	14.6	1.1	8.1
17	4.2	-14.1	-5.7	-3.1	-11.3	-7.1	13.9	-3.5	4.5	12.4	1.4	6.0
18	.4	-9.8	-4.0	-1.7	-11.7	-6.2	13.1	-1.4	6.6	14.3	-1.0	7.1
19	2.8	-6.0	-2.4	4.2	-12.9	-4.3	9.9	2.8	6.2	8.8	2.1	4.7
20	1.4	-5.7	-2.2	9.9	-8.3	.7	4.6	-1.4	1.8	11.7	-.3	6.6
21	.4	-10.1	-4.4	9.5	-4.2	2.4	.0	-4.2	-1.8	6.7	-5.3	.8
22	3.5	-8.3	-2.6	7.8	-3.1	.3	-4.2	-6.4	-5.1	11.7	-3.5	4.1
23	-1.7	-13.3	-5.5	6.4	-6.0	-.6	3.9	-6.8	-2.5	15.0	-1.4	7.2
24	-6.4	-16.2	-10.9	6.0	-6.4	.3	9.9	-9.4	.5	15.0	1.1	8.3
25	.7	-13.3	-7.8	8.5	-3.1	1.8	12.1	-3.8	3.8	14.6	1.4	7.9
26	-.7	-10.5	-4.9	5.7	-4.9	-1.0	12.8	-3.1	4.7	17.3	1.8	9.9
27	.0	-8.6	-5.3	1.1	-9.4	-2.9	13.1	-1.4	5.8	16.9	2.8	9.6
28	-1.7	-13.3	-7.1	-3.1	-10.9	-5.4	8.1	.0	4.0	16.1	3.5	9.9
29	---	---	---	.0	-9.4	-4.3	10.6	-.3	5.6	13.5	.4	6.8
30	---	---	---	1.4	-10.1	-3.0	12.4	-1.4	5.3	15.4	.0	8.1
31	---	---	---	5.3	-8.3	.1	---	---	---	15.8	-.3	8.1
MONTH	6.4	-22.1	-6.5	9.9	-18.3	-3.9	13.9	-14.1	.6	17.3	-9.4	5.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.3	.7	9.7	18.9	5.7	11.3	17.3	7.1	11.8	14.3	2.5	7.5
2	18.1	2.5	11.4	22.1	4.9	13.8	17.3	6.7	11.2	16.9	1.4	8.2
3	15.4	6.0	10.9	24.2	6.4	14.4	16.9	6.7	11.3	20.1	2.5	9.6
4	11.7	-.7	7.7	22.5	7.1	14.1	16.1	6.4	11.2	17.7	4.6	10.8
5	14.6	-1.0	7.2	22.9	7.8	14.0	20.5	5.7	11.9	18.5	3.5	10.7
6	18.9	1.1	10.1	23.3	7.8	15.9	19.7	8.1	12.3	16.5	4.9	10.5
7	19.3	3.2	10.5	20.5	7.1	14.8	19.3	6.7	11.5	11.3	-1.7	4.6
8	18.5	4.2	10.6	22.1	6.4	13.9	17.3	4.6	10.4	7.4	-3.8	1.9
9	20.9	3.9	12.7	22.1	6.7	13.5	17.7	5.7	10.8	14.6	-4.9	4.1
10	20.9	4.6	13.4	20.1	5.3	12.1	13.5	6.4	9.5	17.7	-1.4	8.0
11	20.1	4.9	13.0	18.1	6.0	11.1	19.3	4.2	11.1	18.5	1.4	9.2
12	16.9	3.2	11.8	17.3	5.7	11.5	19.7	5.7	12.3	19.3	2.8	10.7
13	3.5	-4.2	-.6	18.5	7.1	11.9	15.8	6.7	10.9	16.1	3.5	9.4
14	7.4	-7.1	-.3	12.4	5.3	8.6	12.8	6.0	9.2	16.5	3.5	8.6
15	16.1	-3.1	6.6	16.9	4.9	9.6	16.5	2.8	9.6	15.8	1.4	7.8
16	19.7	1.4	10.9	16.9	2.8	10.8	16.5	2.5	9.6	14.6	2.8	7.1
17	20.5	2.5	11.9	16.5	6.7	11.6	17.3	3.2	10.5	11.0	2.8	5.4
18	19.7	3.5	11.9	18.9	4.6	11.8	20.1	2.8	11.4	12.8	-1.0	5.2
19	20.5	3.2	12.5	18.5	5.3	11.8	20.5	5.3	11.2	15.8	-1.4	6.5
20	19.7	4.2	12.6	19.3	6.4	11.9	17.7	6.4	9.7	17.7	1.4	8.6
21	20.5	4.2	12.8	19.3	6.7	12.1	16.5	3.9	9.0	16.9	1.8	8.0
22	20.1	4.9	12.7	20.1	4.9	13.6	11.3	1.4	5.7	16.5	1.4	7.6
23	21.7	6.7	13.3	19.7	7.1	13.3	15.4	.0	7.2	18.5	1.8	9.2
24	18.9	6.0	11.9	16.9	6.0	10.8	19.3	1.8	9.8	18.9	2.1	9.3
25	18.9	4.2	11.4	18.9	4.6	11.8	19.7	3.5	11.1	19.3	2.8	9.8
26	15.0	7.4	10.6	16.1	7.4	10.2	20.5	4.6	11.7	18.9	2.5	9.5
27	16.5	3.2	10.0	18.1	4.9	11.1	20.9	5.3	11.9	19.7	2.5	10.5
28	21.3	3.2	12.8	21.7	4.9	13.2	18.5	5.7	10.9	19.3	3.5	10.2
29	21.7	6.0	14.2	22.9	6.0	14.8	18.5	4.9	11.5	16.5	4.2	9.6
30	22.5	7.4	14.2	20.5	7.1	12.8	15.4	2.8	8.3	16.1	2.8	8.4
31	---	---	---	18.1	7.8	10.8	15.0	3.9	8.3	---	---	---
MONTH	22.5	-7.1	10.6	24.2	2.8	12.4	20.9	.0	10.4	20.1	-4.9	8.2
YEAR	24.2	-24.1	1.3									

375546107412000 IRONTON METEOROLOGICAL STATION NEAR OURAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.4	.1
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0
3	.0	.1	.0	.0	.0	.0	.0	.8	.0	.0	.2	.0
4	.3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
5	.0	.5	.0	.0	.0	.0	.0	.7	.0	.0	.2	.0
6	.0	.1	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.3	.2	.1	.0	.0	.0	.3	.0
8	.4	.0	.1	.0	1.0	.1	.1	.0	.1	.0	.0	.0
9	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.2	.6	.3	.0	2.3	.1	.2	.0	.0	.1	.2	.0
11	1.0	.3	.2	.0	.0	.1	.3	.0	.0	.1	.0	.0
12	.3	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.3	.1	.2	.0	.0	.0	.1	.0	.1	.6
14	.0	.0	.0	.0	.3	.0	.0	.0	.6	.3	.3	.1
15	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1	.0	.0
16	.0	.0	.0	.1	.7	.2	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.6
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.0
21	.0	.0	.0	.0	.2	.0	.2	.0	.0	.1	.8	.0
22	.1	.0	.0	.0	.0	.0	.7	.0	.0	.0	.4	.0
23	.5	.0	.0	.0	.1	.2	.3	.0	.0	.1	.0	.0
24	.2	.0	.0	.0	.1	.0	.0	.0	.0	.4	.0	.0
25	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.0
27	.1	.0	.0	.8	.7	.0	.0	.0	.0	.0	.0	.0
28	.8	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.1	---	.2	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.0	.0	.1	.1	.0
31	.3	---	.0	.0	---	.0	---	.0	---	.2	.1	---
TOTAL	4.2	1.8	1.7	1.8	5.9	1.5	2.6	2.0	0.8	2.2	4.1	1.4

CAL YR 2000 TOTAL 27.6
WTR YR 2001 TOTAL 30.0

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, 20.1°C, July 3; minimum, -22.6°C, Nov. 18, Jan. 31.
PRECIPITATION: Maximum daily, 1.3 inches, July 9.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.5	3.9	8.7	-5.3	-10.1	-7.9	2.1	-10.5	-4.3	-2.8	-13.3	-8.8
2	14.3	3.5	8.2	-2.8	-12.5	-8.4	2.5	-7.1	-4.3	-4.2	-16.2	-11.2
3	11.7	4.6	7.9	-1.0	-7.9	-5.7	-.3	-9.0	-5.9	-1.7	-11.3	-6.1
4	5.7	-.7	3.4	3.2	-7.5	-3.2	-1.0	-9.0	-4.7	.7	-7.5	-4.2
5	8.5	-.7	3.1	-3.1	-12.9	-8.0	.4	-7.5	-3.8	3.9	-6.0	-2.3
6	8.8	.4	4.6	-9.4	-17.0	-13.0	1.8	-9.8	-4.2	1.8	-7.5	-4.0
7	9.5	1.4	5.0	-10.5	-18.8	-15.7	1.4	-4.6	-2.3	-5.3	-14.1	-9.0
8	7.4	-1.4	1.8	-2.4	-16.2	-9.8	-3.5	-6.0	-4.7	-2.4	-9.0	-6.5
9	5.3	-2.4	1.1	-2.1	-9.4	-6.3	-3.8	-9.4	-6.5	-2.1	-9.0	-5.4
10	4.6	-1.7	1.5	-5.3	-9.4	-7.5	-4.9	-10.9	-6.9	-5.3	-13.3	-8.4
11	4.2	.0	1.3	-9.4	-15.7	-12.1	-8.3	-14.9	-11.8	.0	-9.8	-5.5
12	4.6	-1.7	.8	-14.1	-21.6	-16.2	-7.5	-10.1	-8.8	-4.6	-10.1	-6.7
13	2.8	-5.7	-1.9	-8.6	-22.1	-15.5	-7.5	-14.5	-10.6	-10.1	-18.8	-13.5
14	5.3	-7.1	-2.5	-1.4	-12.1	-6.7	-6.0	-11.7	-9.3	-10.1	-20.2	-15.6
15	7.4	-4.2	-.3	-6.8	-18.8	-13.4	-8.6	-14.5	-10.6	-7.9	-18.8	-13.0
16	5.7	-4.6	-.2	-12.9	-20.7	-15.9	-4.2	-18.8	-11.3	-10.9	-18.8	-14.0
17	8.5	-3.1	1.9	-9.4	-20.7	-16.6	-1.7	-17.4	-7.9	-12.5	-19.3	-16.8
18	11.0	-.7	3.2	-6.8	-22.6	-13.7	-6.0	-18.3	-15.3	-8.6	-19.7	-15.6
19	6.4	-1.0	2.0	-2.1	-12.1	-7.0	-2.1	-10.5	-5.6	-3.1	-19.7	-12.7
20	9.9	-1.7	3.0	-.7	-11.3	-6.3	-4.6	-15.3	-9.3	-7.9	-17.4	-12.5
21	5.3	-1.4	1.9	.4	-6.8	-4.0	-3.5	-16.2	-8.6	-1.0	-14.5	-7.9
22	4.2	-2.4	.5	1.8	-6.8	-3.1	-1.7	-9.8	-5.1	1.4	-7.5	-3.5
23	2.8	-1.7	.1	.0	-10.9	-6.7	-3.5	-10.5	-7.3	-4.6	-10.9	-8.2
24	-.3	-4.6	-2.2	-2.1	-12.1	-8.6	-2.4	-8.6	-6.1	-.3	-10.5	-6.6
25	2.8	-9.0	-3.9	-5.3	-14.1	-10.2	-8.6	-14.1	-10.3	-6.0	-13.7	-10.2
26	5.7	-7.1	-1.2	-.3	-10.1	-5.3	-3.5	-16.6	-9.7	-5.3	-15.3	-9.7
27	5.3	-1.0	1.3	.0	-6.4	-3.1	-1.7	-10.5	-7.2	-7.5	-10.5	-8.9
28	1.4	-4.6	-2.0	.0	-7.5	-4.5	-2.1	-9.8	-6.3	-8.6	-13.7	-11.8
29	2.1	-9.0	-3.6	4.6	-7.5	-1.2	-4.2	-11.7	-8.2	-8.3	-15.3	-12.0
30	2.1	-7.5	-3.0	-1.0	-10.9	-4.9	-1.7	-11.7	-7.3	-13.3	-20.7	-16.1
31	-3.8	-10.9	-6.9	---	---	---	-4.2	-13.3	-8.8	-11.3	-22.6	-17.6
MONTH	14.3	-10.9	1.1	4.6	-22.6	-8.7	2.5	-18.8	-7.5	3.9	-22.6	-9.8

375852107455200 GOVERNOR BASIN METEOROLOGICAL STATION NEAR TELLURIDE, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	-8.6	-18.8	-13.5	-7.5	-14.5	-10.7	6.4	-3.8	.9	12.4	1.4	6.5
2	-2.4	-11.7	-5.8	-2.1	-16.2	-9.8	2.5	-.7	1.1	7.1	-4.2	3.3
3	-1.4	-10.5	-5.5	-6.0	-14.1	-9.8	4.2	-2.8	1.3	-1.7	-7.1	-5.0
4	3.2	-9.4	-3.5	1.1	-14.9	-7.3	4.9	-.3	1.8	-.3	-9.8	-4.8
5	2.5	-7.5	-2.4	3.5	-6.8	-1.6	1.8	-3.5	-.9	-.7	-5.7	-2.8
6	.4	-7.5	-3.6	2.5	-6.8	-2.6	-2.4	-8.6	-5.0	5.3	-3.8	.0
7	-3.5	-6.8	-5.3	-1.7	-7.1	-4.1	-2.8	-8.6	-5.4	8.5	-3.8	2.0
8	-6.0	-14.9	-9.5	1.1	-8.3	-4.3	-3.1	-7.9	-5.6	11.3	-1.7	4.6
9	-5.3	-20.7	-12.5	.7	-6.8	-3.1	.0	-10.1	-3.6	11.0	1.8	5.8
10	-3.8	-13.3	-8.4	-1.7	-9.8	-5.8	-3.1	-10.1	-6.2	11.3	3.2	6.8
11	-7.1	-10.5	-9.1	-7.1	-11.7	-9.3	-4.6	-11.7	-8.2	11.7	.7	6.4
12	-3.8	-10.9	-7.3	-3.5	-12.5	-8.2	-5.3	-11.7	-8.2	10.6	2.1	6.5
13	-2.1	-8.3	-5.7	2.5	-12.9	-7.1	2.1	-13.7	-5.4	11.7	1.4	6.6
14	-8.3	-15.7	-11.8	-1.0	-14.9	-10.2	1.1	-6.4	-2.8	9.2	1.1	5.2
15	-6.8	-18.8	-14.2	-4.9	-19.7	-11.4	7.4	-6.0	-.1	10.6	2.5	7.1
16	-.3	-14.1	-8.2	-5.3	-11.3	-8.0	8.8	-2.8	2.4	11.3	3.5	7.2
17	2.1	-10.9	-5.8	-6.0	-11.3	-8.8	9.9	-2.1	4.1	8.5	1.8	4.4
18	-3.8	-7.1	-5.1	-3.1	-11.7	-7.3	11.0	.4	5.4	10.6	1.4	6.1
19	-.3	-9.0	-4.6	2.5	-12.9	-4.9	6.4	1.8	4.0	7.1	.7	2.9
20	-1.4	-5.7	-3.8	6.7	-6.8	.2	1.8	-3.1	-.6	8.5	.0	4.8
21	-1.7	-9.4	-5.9	6.4	-2.8	---	-1.7	-6.0	-3.9	3.2	-7.1	-.9
22	-.3	-9.0	-4.0	4.6	-3.5	-.4	-5.3	-7.1	-6.6	8.5	-2.8	3.6
23	-3.1	-12.5	-7.2	2.8	-5.7	-2.2	1.1	-11.7	-5.0	11.0	.4	6.4
24	-9.0	-15.7	-12.2	3.9	-6.0	-.6	7.1	-7.5	-.3	12.1	4.2	8.4
25	-3.5	-12.9	-8.9	5.3	-3.1	.7	9.5	-2.1	3.5	12.1	3.5	7.6
26	-3.1	-10.5	-6.8	3.9	-5.7	-2.3	9.2	-1.4	4.1	13.1	4.6	9.4
27	-3.8	-10.5	-7.2	-2.1	-7.9	-4.3	10.6	.4	5.1	13.5	4.6	8.9
28	-4.9	-11.7	-8.2	-4.6	-7.9	-5.8	5.7	-.3	3.3	12.4	3.5	8.5
29	---	---	---	-2.4	-8.3	-5.3	8.5	.4	4.6	10.2	2.1	6.6
30	---	---	---	1.1	-11.3	-5.2	9.2	-.3	4.4	12.4	2.1	7.8
31	---	---	---	1.4	-8.3	-2.5	---	---	---	12.4	1.8	7.5
MONTH	3.2	-20.7	-7.4	6.7	-19.7	---	11.0	-13.7	-.7	13.5	-9.8	4.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.8	2.1	9.2	16.9	5.3	10.1	13.5	6.4	9.8	11.3	4.2	7.1
2	14.6	4.9	10.7	19.3	6.4	12.5	14.3	6.0	10.1	14.3	3.9	7.6
3	11.7	4.6	8.4	20.1	7.4	13.5	15.0	7.1	10.6	15.4	4.2	8.8
4	8.8	.4	5.2	19.7	7.4	13.3	12.8	7.1	9.9	15.4	6.4	9.6
5	11.0	.4	6.1	18.9	7.8	12.1	16.9	6.7	10.6	13.5	6.0	10.0
6	16.1	3.9	---	19.7	7.4	13.9	16.9	8.1	11.3	12.4	3.2	8.8
7	15.8	5.3	10.7	17.7	7.4	13.1	15.4	6.7	10.2	9.2	-2.4	3.2
8	14.6	6.4	9.6	18.5	7.4	12.6	13.5	5.3	9.1	4.6	-3.5	.7
9	17.7	5.7	11.9	18.5	3.9	11.1	13.5	6.0	9.0	13.1	-3.8	4.7
10	18.1	6.7	12.1	15.8	4.6	9.5	11.3	5.7	8.0	15.8	3.2	8.6
11	17.3	5.7	11.2	15.0	5.7	9.1	16.1	4.9	9.9	13.5	4.6	9.2
12	13.5	2.1	9.4	14.6	5.7	10.2	14.6	6.4	10.4	15.8	5.3	10.8
13	2.8	-5.7	-1.8	16.1	7.1	10.6	12.1	7.1	9.3	13.5	4.9	9.2
14	4.2	-9.0	-1.5	10.2	5.3	7.4	10.6	6.0	7.9	12.1	4.9	7.7
15	13.1	.7	6.8	13.1	4.2	8.5	13.1	3.2	8.3	13.9	3.9	7.8
16	16.9	3.9	10.5	15.0	3.2	10.0	14.3	4.9	8.9	11.7	3.5	6.7
17	16.9	4.9	11.5	13.5	6.7	10.1	14.6	5.3	9.8	8.1	1.1	3.7
18	16.9	6.4	11.5	15.8	7.1	11.0	16.5	5.3	11.3	10.2	.4	4.5
19	17.3	6.4	12.2	15.4	6.4	10.7	17.3	7.1	11.1	13.5	1.4	7.0
20	16.5	7.1	12.1	16.1	7.1	11.1	13.5	4.9	8.9	13.1	3.2	7.9
21	17.3	6.7	12.1	15.4	7.8	11.4	13.5	4.2	8.6	13.1	4.6	8.2
22	16.9	7.4	12.1	17.7	6.4	12.5	9.2	1.1	4.4	13.9	4.6	7.9
23	17.3	7.1	11.8	17.3	8.1	11.9	12.1	1.1	6.9	13.9	3.9	8.5
24	15.0	6.7	10.8	13.5	6.7	9.4	15.4	4.2	9.5	14.6	5.7	9.6
25	14.6	6.4	10.1	15.0	5.7	10.4	17.3	5.3	11.1	16.1	6.0	10.1
26	12.1	6.0	8.9	12.8	5.3	8.8	16.9	7.1	11.5	14.3	5.3	9.7
27	12.8	3.2	8.5	13.1	4.9	---	17.7	7.4	11.9	16.5	5.3	10.2
28	18.1	4.9	11.4	18.9	6.4	---	17.3	6.7	10.5	15.8	6.0	9.9
29	19.7	7.8	12.5	19.7	7.8	14.1	15.0	4.9	10.0	12.8	5.3	9.0
30	19.3	8.1	12.8	16.1	7.8	11.1	13.5	4.2	7.8	12.4	3.5	7.6
31	---	---	---	12.4	7.4	9.0	12.4	5.3	8.2	---	---	---
MONTH	19.7	-9.0	9.5	20.1	3.2	11.0	17.7	1.1	9.5	16.5	-3.8	7.8
YEAR	20.1	-22.6	.3									

375852107455200 GOVERNOR BASIN METEOROLOGICAL STATION NEAR TELLURIDE, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
3	.0	.0	.0	.0	.0	.3	.0	1.2	.0	.0	.0	.2
4	.4	.0	.0	.0	.0	.0	.0	.2	.0	.0	.1	.0
5	.0	.4	.0	.0	.0	.0	.0	.7	.0	.2	.6	.0
6	.0	.2	.0	.0	.0	.0	.5	.0	.0	.0	.1	.0
7	.0	.0	.0	.0	.2	.3	.0	.0	.0	.0	.4	.0
8	.5	.0	.4	.0	.8	.2	.0	.0	.0	.0	.1	.0
9	.0	.0	.2	.0	.0	.0	.0	.0	.0	1.3	.2	.0
10	.0	.2	.5	.0	.0	.2	.3	.0	.0	.2	.2	.0
11	.3	.2	.1	.0	.0	.2	.3	.0	.0	.7	.0	.0
12	.0	.2	.2	.2	.0	.1	.2	.0	.0	.0	.1	.0
13	.0	.0	.4	.2	.2	.0	.0	.3	.1	.1	.3	.1
14	.0	.0	.1	.0	.3	.0	.0	.0	.7	.4	.2	.0
15	.0	.1	.3	.0	.0	.0	.0	.0	.0	.3	.0	.0
16	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.2
17	.0	.1	.0	.0	.0	.2	.0	.2	.0	.0	.0	.7
18	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1
19	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.4	.0
21	.0	.0	.0	.0	.2	.0	.2	.0	.0	.0	.5	.0
22	.1	.0	.0	.0	.0	.3	.9	.0	.0	.0	.6	.0
23	.5	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0
24	.1	.0	.0	.0	.4	.0	.0	.0	.0	.2	.0	.0
25	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.1	.2	.0	.0	.1	.3	.0	.0
27	.2	.0	.0	.4	.2	.0	.0	.0	.0	.0	.0	.0
28	.8	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.1	---	.3	.0	.0	.0	.0	.0	.0
30	.1	.0	.0	.0	---	.0	.0	.0	.0	.5	.0	.0
31	.3	---	.0	.1	---	.0	---	.0	---	.5	.0	---
TOTAL	3.3	1.7	2.3	1.6	3.0	2.7	2.5	3.0	0.9	5.3	4.2	1.4

CAL YR 2000 TOTAL 36.7
WTR YR 2001 TOTAL 31.9

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 recorded, 29.7°C, July 29, may have been higher during period of no record, Apr. 3 to July 26; minimum, -18.3°C, Nov. 18.
PRECIPITATION: Maximum daily, 1.4 inches, Feb. 8, may have been higher during period of no record, Apr. 3 to June 20.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.9	8.8	14.1	1.4	-4.9	-2.1	3.9	-6.4	-2.2	3.9	-7.5	-3.2
2	22.1	8.8	14.6	2.1	-6.4	-2.5	5.7	-2.8	.1	-.3	-9.4	-6.0
3	20.9	10.2	14.2	5.3	-4.9	-.8	6.0	-4.2	-.6	4.6	-7.5	-1.8
4	12.4	4.2	9.2	7.8	-3.8	1.1	5.7	-3.5	-.4	8.1	-3.5	.7
5	16.1	2.8	8.2	4.2	-7.5	-2.5	7.8	-3.5	1.2	9.5	-3.1	1.5
6	17.3	6.0	10.7	-3.5	-10.1	-6.3	3.5	-5.7	-1.9	8.8	-2.8	1.1
7	17.3	6.0	10.5	-5.7	-12.5	-8.5	5.3	-2.4	.8	1.4	-7.5	-3.7
8	13.1	5.7	8.5	2.5	-12.9	-5.5	3.5	-1.7	.2	3.2	-7.1	-2.3
9	12.8	4.2	7.8	4.9	-4.6	-.4	3.2	-4.2	-.6	5.7	-4.6	.1
10	12.1	6.0	8.7	1.1	-4.2	-1.2	3.2	-5.7	-.5	1.1	-6.4	-2.4
11	10.2	5.3	7.5	-2.1	-9.4	-6.4	-4.2	-10.1	-7.0	7.8	-8.3	-.9
12	11.0	.4	6.2	-8.6	-13.7	-10.6	.0	-6.8	-3.2	3.5	-4.2	.3
13	11.0	-.7	4.2	-5.3	-14.5	-11.0	-2.1	-6.0	-4.3	-4.2	-12.1	-7.0
14	10.6	-1.0	3.5	4.6	-12.9	-3.8	1.1	-7.9	-3.8	-3.1	-13.7	-9.3
15	13.9	-1.4	4.7	.0	-12.1	-5.9	.7	-7.9	-3.6	-2.8	-12.5	-8.8
16	12.4	.4	5.4	-5.7	-13.3	-9.5	.4	-12.5	-7.0	-5.3	-13.3	-9.4
17	14.6	.7	6.9	-4.6	-14.5	-10.2	8.1	-9.8	-2.8	-6.4	-16.6	-12.6
18	17.3	4.9	9.9	-4.2	-18.3	-10.1	-5.3	-13.7	-10.2	-4.6	-17.0	-11.2
19	15.0	3.9	8.5	4.6	-9.8	-4.1	3.9	-13.7	-4.0	-1.7	-12.5	-7.7
20	16.5	3.5	8.7	4.6	-7.1	-2.6	-1.0	-8.6	-4.1	-4.6	-11.3	-8.0
21	12.8	4.2	8.9	7.1	-5.7	.2	2.8	-9.8	-4.5	1.1	-13.3	-6.7
22	10.2	1.1	5.0	7.8	-2.1	2.3	5.7	-5.3	.2	7.4	-7.9	-1.4
23	8.8	2.5	5.0	2.5	-4.9	-2.2	4.9	-5.3	-1.0	1.8	-5.3	-1.7
24	8.5	.7	3.3	4.9	-7.9	-3.2	5.3	-3.8	1.1	3.5	-7.5	-1.6
25	8.1	-.7	3.0	-.7	-7.9	-5.2	-1.4	-9.0	-5.8	1.4	-8.3	-3.3
26	11.3	-2.8	3.3	4.9	-7.5	-1.5	-4.9	-11.3	-8.3	.4	-9.4	-4.3
27	12.4	3.9	8.7	6.0	-2.4	1.5	1.1	-10.9	-5.1	-2.4	-7.1	-5.2
28	3.9	1.1	2.1	6.0	-3.1	.2	3.5	-5.7	-2.1	-3.8	-7.9	-6.1
29	9.2	-1.4	2.6	11.3	-3.5	4.1	3.9	-6.0	-2.8	-1.7	-11.3	-7.2
30	8.8	-1.7	4.2	6.0	-4.6	.8	4.2	-5.7	-.9	-6.4	-11.7	-9.5
31	3.9	-3.8	-.2	---	---	---	1.8	-6.8	-3.1	-5.3	-17.0	-11.9
MONTH	22.9	-3.8	7.0	11.3	-18.3	-3.5	8.1	-13.7	-2.8	9.5	-17.0	-4.8

380102107402200 OURAY METEOROLOGICAL STATION AT OURAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	-2.4	-13.7	-8.4	1.4	-9.4	-3.9	13.9	1.4	---	---	---	---
2	3.2	-10.5	-3.0	2.8	-9.4	-3.4	11.3	3.9	---	---	---	---
3	3.9	-3.8	-.5	.7	-4.9	-2.4	---	---	---	---	---	---
4	6.7	-4.2	-.6	6.4	-7.5	-.6	---	---	---	---	---	---
5	9.2	-2.1	2.7	8.8	.7	4.1	---	---	---	---	---	---
6	9.2	-.3	4.2	9.9	.0	4.5	---	---	---	---	---	---
7	4.6	-1.4	1.4	3.9	-1.4	1.5	---	---	---	---	---	---
8	-1.4	-10.1	-4.7	8.5	-2.4	2.1	---	---	---	---	---	---
9	-4.6	-17.0	-9.7	8.1	.7	4.0	---	---	---	---	---	---
10	3.9	-9.0	-1.0	6.0	-4.2	.3	---	---	---	---	---	---
11	1.4	-2.8	-1.1	-1.7	-4.6	-3.1	---	---	---	---	---	---
12	3.9	-2.8	.2	1.4	-3.8	-1.6	---	---	---	---	---	---
13	6.0	-2.8	.2	5.3	-5.7	-.2	---	---	---	---	---	---
14	-2.1	-11.7	-4.8	3.5	-7.1	-3.0	---	---	---	---	---	---
15	-1.0	-12.1	-7.4	.7	-10.5	-4.5	---	---	---	---	---	---
16	3.2	-11.7	-4.2	2.8	-5.7	-1.4	---	---	---	---	---	---
17	6.0	-6.4	-.4	-2.4	-6.8	-3.8	---	---	---	---	---	---
18	3.2	-.3	1.2	2.8	-6.4	-1.8	---	---	---	---	---	---
19	8.8	-.7	3.6	8.5	-6.4	.7	---	---	---	---	---	---
20	7.1	-.3	3.9	13.1	-1.4	5.9	---	---	---	---	---	---
21	4.9	-2.4	.7	12.1	2.5	7.2	---	---	---	---	---	---
22	5.7	-2.4	2.1	10.2	1.8	4.7	---	---	---	---	---	---
23	3.5	-6.8	-.7	9.2	.7	3.8	---	---	---	---	---	---
24	.0	-7.1	-5.2	10.2	.0	4.6	---	---	---	---	---	---
25	3.2	-6.8	-2.6	15.0	2.1	7.2	---	---	---	---	---	---
26	1.8	-7.9	-2.9	10.2	.7	3.2	---	---	---	---	---	---
27	2.5	-4.9	-1.5	5.3	-2.1	1.9	---	---	---	---	---	---
28	.0	-6.0	-3.6	1.8	-3.1	-.8	---	---	---	---	---	---
29	---	---	---	4.2	-1.7	.4	---	---	---	---	---	---
30	---	---	---	7.1	-3.8	2.0	---	---	---	---	---	---
31	---	---	---	10.6	-1.4	---	---	---	---	---	---	---
MONTH	9.2	-17.0	-1.5	15.0	-10.5	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	22.5	11.7	16.7	19.7	11.3	14.5
2	---	---	---	---	---	---	22.1	11.0	16.5	23.3	9.5	15.7
3	---	---	---	---	---	---	22.9	14.3	17.6	25.1	11.0	16.1
4	---	---	---	---	---	---	20.9	11.3	15.9	24.6	15.0	18.1
5	---	---	---	---	---	---	25.5	12.1	17.3	22.5	14.6	18.3
6	---	---	---	---	---	---	23.3	12.8	18.2	23.3	11.7	17.1
7	---	---	---	---	---	---	24.6	12.4	16.2	17.3	3.9	10.0
8	---	---	---	---	---	---	22.5	10.6	16.0	12.4	2.8	7.7
9	---	---	---	---	---	---	22.1	12.1	15.6	18.9	1.4	9.8
10	---	---	---	---	---	---	18.9	11.0	14.0	23.3	9.9	15.9
11	---	---	---	---	---	---	25.1	10.6	17.1	24.2	11.7	16.8
12	---	---	---	---	---	---	23.3	13.5	18.7	25.5	10.6	19.1
13	---	---	---	---	---	---	20.1	12.1	16.5	21.3	10.6	16.0
14	---	---	---	---	---	---	18.1	11.3	13.6	20.5	9.2	13.2
15	---	---	---	---	---	---	22.1	7.4	14.6	20.9	8.5	14.0
16	---	---	---	---	---	---	23.3	10.6	16.4	19.7	11.0	13.8
17	---	---	---	---	---	---	23.8	10.2	17.4	17.3	7.1	10.4
18	---	---	---	---	---	---	26.9	11.0	18.3	17.7	3.9	10.2
19	---	---	---	---	---	---	26.0	13.9	18.8	20.9	7.1	13.2
20	---	---	---	---	---	---	22.1	12.4	15.8	22.1	9.9	14.9
21	---	---	---	---	---	---	22.1	10.2	14.7	22.1	11.0	15.3
22	---	---	---	---	---	---	15.8	7.8	11.3	22.5	10.6	15.4
23	---	---	---	---	---	---	21.7	7.4	13.8	23.3	10.2	16.1
24	---	---	---	---	---	---	23.3	10.6	16.5	23.3	10.6	16.1
25	---	---	---	---	---	---	25.1	11.7	18.1	24.2	11.3	16.6
26	---	---	---	---	---	---	26.4	14.3	19.6	23.8	11.0	16.0
27	---	---	---	24.2	---	---	28.7	14.3	20.4	25.5	12.1	17.4
28	---	---	---	28.2	15.0	21.0	26.0	15.4	19.4	23.8	11.7	16.9
29	---	---	---	29.7	17.7	23.3	24.2	13.1	18.6	23.8	12.4	16.8
30	---	---	---	24.2	13.5	18.9	21.3	11.3	15.4	22.1	12.1	16.1
31	---	---	---	22.1	12.4	15.9	20.5	11.7	15.0	---	---	---
MONTH	---	---	---	---	---	---	28.7	7.4	16.6	25.5	1.4	14.9

380102107402200 OURAY METEOROLOGICAL STATION AT OURAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.0	.0	.0	---	---	.0	.3	.1
2	.0	.0	.0	.0	.0	.0	.0	---	---	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	---	---	---	.0	.3	.0
4	.6	.0	.0	.0	.0	.0	---	---	---	.0	.0	.0
5	.0	.4	.0	.0	.0	.0	---	---	---	.1	.0	.0
6	.0	.0	.0	.0	.0	.0	---	---	---	.0	.0	.0
7	.0	.0	.0	.0	.1	.2	---	---	---	.0	.0	.0
8	.2	.0	.1	.0	1.4	.0	---	---	---	.1	.0	.0
9	.0	.0	.1	.0	.1	.0	---	---	---	.0	.1	.0
10	.0	.3	.2	.0	.0	.1	---	---	---	.0	.1	.0
11	.5	.3	.2	.0	.0	.1	---	---	---	.0	.0	.0
12	.1	.2	.0	.1	.0	.0	---	---	---	.0	.0	.0
13	.0	.0	.1	.3	.1	.0	---	---	---	.0	.2	.2
14	.0	.0	.0	.0	.1	.0	---	---	---	.1	.2	.1
15	.0	.0	.1	.0	.0	.0	---	---	---	.1	.0	.0
16	.0	.0	.0	.0	.0	.1	---	---	---	.0	.0	.0
17	.0	.1	.0	.0	.0	.3	---	---	---	.0	.0	.3
18	.0	.0	.0	.0	.0	.0	---	---	---	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	---	---	---	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	---	---	---	.0	.0	.0
21	.0	.0	.0	.0	.1	.0	---	---	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	---	---	.0	.0	.3	.0
23	.3	.0	.0	.0	.2	.0	---	---	.0	.0	.0	.0
24	.0	.0	.0	.0	.2	.0	---	---	.2	.0	.0	.0
25	.0	.1	.0	.1	.0	.0	---	---	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.2	---	---	.0	.1	.0	.0
27	.0	.0	.0	.1	.1	.0	---	---	.0	.0	.0	.0
28	.7	.0	.0	.1	.1	.1	---	---	.0	.0	.0	.0
29	.0	.0	.0	.1	---	.0	---	---	.0	.0	.0	.0
30	.0	.0	.0	.1	---	.0	---	---	.0	.2	.0	.0
31	.1	---	.0	.0	---	.0	---	---	---	.1	.0	---
TOTAL	2.5	1.4	0.8	0.9	2.5	1.1	---	---	---	0.8	1.5	0.7

CAL YR 2000 TOTAL 18.4

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, 26.4°C, July 4; minimum, -22.6°C, Nov. 18.
PRECIPITATION: Maximum daily, 1.3 inches, May 3.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.7	4.2	11.9	-1.4	-8.6	-4.5	2.5	-11.3	-5.5	2.8	-13.7	-8.5
2	19.3	8.5	13.0	-.7	-10.9	-5.8	4.9	-9.4	-4.3	-1.7	-14.9	-10.9
3	16.1	6.7	11.7	2.5	-7.9	-3.4	6.4	-10.9	-5.8	6.4	-13.7	-6.5
4	11.3	2.1	7.7	7.4	-8.6	-2.2	4.6	-11.3	-5.9	9.5	-10.1	-5.2
5	12.4	.0	4.5	.7	-10.1	-4.1	6.4	-9.8	-3.5	10.6	-9.8	-4.4
6	14.6	.7	6.7	-5.7	-12.9	-8.6	3.9	-11.3	-5.7	8.8	-8.6	-4.3
7	14.6	.0	5.7	-8.6	-16.6	-11.9	3.5	-8.3	-3.4	1.4	-13.7	-8.7
8	11.3	.0	4.0	1.8	-17.4	-9.2	1.8	-4.2	-1.8	2.8	-15.3	-9.5
9	11.3	-1.0	2.8	4.2	-8.6	-3.1	2.5	-8.6	-2.9	2.8	-12.1	-5.8
10	9.5	-1.0	5.0	-1.0	-6.0	-3.0	.7	-7.1	-2.4	1.4	-14.9	-6.9
11	8.8	3.9	6.1	-4.9	-13.3	-9.3	-7.1	-12.9	-9.5	3.9	-15.3	-6.7
12	9.2	-2.1	4.0	-7.9	-19.7	-13.2	-2.4	-8.3	-5.5	1.1	-6.0	-2.0
13	7.4	-2.8	1.5	-5.3	-19.7	-15.2	-2.8	-14.5	-7.5	-6.0	-17.9	-9.9
14	8.1	-5.3	-.2	1.1	-18.3	-8.4	-2.1	-10.9	-5.9	-6.0	-19.7	-13.9
15	12.4	-5.7	.4	-2.8	-16.6	-9.4	-3.1	-10.5	-6.3	-5.3	-19.3	-13.3
16	10.2	-3.8	1.0	-8.3	-18.8	-13.7	.0	-17.0	-10.6	-7.1	-17.0	-11.7
17	13.1	-4.6	1.9	-5.3	-20.7	-14.0	4.6	-17.0	-6.5	-8.6	-21.1	-16.4
18	14.3	-2.4	3.2	-4.6	-22.6	-13.0	-8.3	-18.8	-15.4	-2.8	-22.1	-15.6
19	11.7	-1.7	3.2	5.3	-13.7	-8.1	3.9	-18.8	-8.2	-2.4	-17.4	-12.5
20	13.9	-2.1	3.4	3.5	-12.9	-7.6	-1.4	-14.5	-6.1	-6.0	-18.3	-11.7
21	10.6	1.4	5.9	4.9	-12.5	-5.6	-.3	-17.0	-9.7	2.1	-18.3	-11.0
22	7.8	-1.7	3.2	6.7	-7.1	-3.0	3.9	-6.8	-.1	4.2	-12.9	-5.2
23	5.3	.4	2.3	3.9	-11.7	-5.4	2.8	-10.1	-5.6	-.3	-12.5	-6.0
24	2.8	-1.4	.4	3.5	-13.7	-8.2	2.5	-10.9	-4.6	2.8	-13.7	-6.5
25	5.3	-3.8	-.5	-3.5	-12.9	-8.5	-4.2	-12.1	-7.4	-1.7	-15.3	-6.6
26	8.5	-4.9	-.4	3.5	-11.7	-5.9	-3.1	-16.6	-11.6	-3.1	-16.6	-9.2
27	9.9	-1.4	3.1	6.0	-6.8	-1.5	1.8	-14.5	-9.4	-4.9	-10.1	-7.1
28	2.8	-1.4	.3	5.3	-7.9	-2.5	2.8	-12.9	-7.7	-5.3	-12.5	-8.3
29	4.9	-4.9	-1.2	8.1	-9.4	-1.0	2.5	-12.9	-9.1	-2.4	-17.0	-9.9
30	4.6	-5.7	-1.0	3.9	-9.8	-1.0	3.9	-12.9	-5.8	-8.3	-17.9	-12.7
31	1.8	-9.0	-3.5	---	---	---	1.4	-14.1	-7.3	-6.0	-22.1	-16.0
MONTH	19.3	-9.0	3.4	8.1	-22.6	-7.0	6.4	-18.8	-6.5	10.6	-22.1	-9.1

380251107513000 WEST FORK DALLAS CREEK METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	-3.1	-17.4	-12.0	-1.4	-14.1	-8.1	11.3	-.7	5.2	18.1	1.1	10.8
2	3.2	-13.7	-6.5	1.1	-16.2	-8.6	8.5	3.5	5.7	13.5	-1.4	7.2
3	3.5	-9.0	-3.8	-.3	-10.5	-5.8	10.6	2.5	6.0	.4	-3.8	-2.1
4	5.3	-11.3	-5.1	4.2	-14.1	-5.9	10.6	3.2	6.2	2.5	-7.1	-1.6
5	8.8	-9.8	-.4	6.7	-7.5	-1.0	6.0	.0	3.3	4.6	-1.7	.5
6	6.4	-3.8	1.3	7.4	-5.7	-.2	.4	-4.9	-1.6	9.9	-2.4	2.8
7	1.8	-3.1	-.4	1.4	-4.2	-1.5	2.5	-6.0	-.9	12.8	-3.5	3.9
8	-2.8	-11.3	-6.0	6.7	-7.1	-1.7	1.8	-3.1	-.5	16.1	-1.4	6.1
9	-3.8	-20.2	-11.0	6.7	-6.4	.0	6.7	-6.0	.6	16.5	-1.0	7.2
10	2.1	-11.3	-4.9	2.5	-5.7	-1.7	1.8	-5.7	-1.7	16.5	1.4	8.5
11	-2.1	-6.0	-4.0	.4	-9.0	-5.0	.0	-7.1	-3.8	17.7	-.3	7.7
12	3.2	-5.3	-2.2	.7	-10.1	-4.1	2.1	-8.3	-3.9	18.5	.0	7.7
13	3.5	-4.6	-1.7	3.9	-10.9	-4.2	6.7	-12.1	-2.4	17.3	1.8	10.0
14	-4.2	-16.6	-8.5	.4	-14.1	-7.7	6.7	-3.5	1.6	14.6	1.8	7.6
15	-2.1	-17.4	-12.1	-1.0	-15.3	-8.4	12.4	-2.1	3.9	16.9	.7	8.8
16	2.8	-16.6	-8.4	1.1	-10.5	-3.8	13.1	-3.8	3.6	16.9	1.8	9.6
17	4.9	-13.7	-6.1	-3.8	-10.1	-5.5	15.8	-2.8	5.4	14.6	2.8	7.4
18	.7	-8.3	-1.3	1.4	-10.1	-5.5	16.9	.4	8.9	16.1	-1.0	8.0
19	5.7	-2.4	.3	6.0	-11.7	-3.6	13.1	6.4	8.6	9.9	4.2	6.4
20	3.9	-1.4	1.1	10.6	-7.1	.6	7.1	1.8	4.3	14.6	1.1	8.1
21	3.2	-3.5	-.8	10.2	-.3	4.3	4.9	-2.4	1.3	7.4	-2.4	2.5
22	3.9	-3.1	.4	8.8	-2.1	1.7	-1.0	-4.9	-2.6	14.3	-1.4	5.7
23	.4	-8.6	-3.1	5.7	-2.4	.5	4.2	-6.0	-1.2	17.7	.0	8.5
24	-4.6	-10.9	-8.0	7.8	-3.5	1.1	11.3	-5.3	1.6	18.1	1.8	9.5
25	.0	-12.5	-6.3	10.6	-2.4	3.1	15.0	-2.8	4.5	16.9	2.5	9.6
26	-.7	-12.9	-6.1	7.1	-2.8	.7	13.9	-1.7	5.3	20.1	3.5	12.5
27	.7	-9.0	-4.3	3.9	-5.3	-.7	16.1	-.3	5.9	18.9	6.4	13.1
28	-.7	-9.8	-6.2	2.1	-7.9	-2.6	12.8	1.4	6.2	18.9	6.4	13.1
29	---	---	---	2.5	-4.9	-1.9	13.5	4.2	8.6	15.0	2.1	8.8
30	---	---	---	4.2	-8.6	-2.1	15.0	.0	6.4	17.7	1.8	10.0
31	---	---	---	7.8	-7.9	.5	---	---	---	18.9	1.1	9.5
MONTH	8.8	-20.2	-4.5	10.6	-16.2	-2.5	16.9	-12.1	2.8	20.1	-7.1	7.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.3	2.8	11.3	20.5	8.1	13.7	17.7	9.5	13.1	16.5	5.3	9.8
2	21.7	4.9	13.7	24.2	6.4	15.1	17.7	9.2	12.7	18.9	4.2	10.1
3	18.1	10.2	14.0	25.5	7.8	15.5	19.3	8.1	13.0	20.1	4.6	9.9
4	14.3	2.1	9.8	26.4	7.8	14.8	16.9	8.1	11.5	19.7	5.3	11.5
5	17.7	-.3	9.4	24.6	9.2	15.5	22.9	6.7	11.8	20.1	7.1	13.1
6	22.1	3.5	12.7	23.8	9.2	15.8	20.1	7.8	12.1	18.1	8.1	13.4
7	20.9	4.2	12.3	21.7	7.8	15.0	19.7	8.8	12.6	13.5	.7	7.2
8	22.5	5.7	12.8	24.2	8.1	14.0	18.9	7.8	12.6	8.5	-1.4	3.8
9	23.3	7.1	15.2	23.8	6.7	12.7	18.9	7.8	11.4	16.5	-3.8	4.9
10	23.8	7.4	15.7	18.5	6.7	10.3	13.1	7.8	10.0	20.1	-1.7	8.0
11	23.3	8.1	15.9	18.5	7.8	11.4	20.9	6.0	12.0	20.1	2.8	10.1
12	18.9	6.0	14.0	17.7	7.8	12.0	21.7	6.0	13.3	22.1	4.2	12.5
13	6.0	-1.4	1.3	18.9	7.4	11.5	16.9	8.1	12.1	18.1	6.7	13.2
14	9.5	-4.6	2.0	13.1	7.1	9.6	14.6	7.4	10.7	19.7	5.7	10.5
15	19.3	-1.7	8.4	17.7	6.4	10.2	18.5	4.6	10.9	19.3	3.2	9.4
16	22.9	2.1	12.0	20.9	5.7	13.1	20.1	4.6	10.4	18.1	3.5	8.7
17	23.8	3.9	13.6	18.9	11.3	14.6	21.7	3.9	11.3	10.6	4.2	6.4
18	23.3	8.1	15.8	20.5	7.8	14.5	22.9	4.2	12.5	15.0	.4	6.2
19	23.3	3.9	14.0	19.7	6.0	12.2	22.5	6.4	12.4	16.5	.4	7.6
20	23.8	5.3	14.0	21.3	6.7	13.1	19.3	9.2	12.8	19.7	2.1	8.7
21	23.3	5.7	14.4	20.1	9.5	14.8	18.5	8.1	13.1	18.1	2.8	8.8
22	23.3	7.1	14.7	22.5	6.7	14.1	11.3	3.2	7.2	18.1	3.5	9.0
23	24.2	6.0	14.3	21.3	8.1	13.5	18.9	2.5	8.7	20.1	2.1	9.4
24	20.1	8.1	13.4	16.9	7.8	11.8	20.1	3.5	11.0	20.5	2.8	10.0
25	20.5	7.1	13.5	20.1	6.0	12.5	21.7	5.7	12.4	19.7	3.5	10.1
26	16.9	9.5	13.2	15.8	7.4	11.6	22.5	6.0	12.9	19.3	3.2	9.5
27	18.9	4.9	11.2	18.9	6.7	11.7	23.8	6.7	13.5	20.5	3.2	10.4
28	22.9	5.3	13.6	23.3	6.0	14.2	22.1	6.7	11.1	22.1	3.5	10.6
29	25.1	7.4	15.2	24.6	7.1	15.4	20.9	4.2	11.2	18.1	5.7	10.4
30	25.1	7.4	16.3	20.9	9.5	14.4	15.8	4.2	8.8	18.9	4.2	10.2
31	---	---	---	18.5	8.5	12.6	16.5	5.7	10.2	---	---	---
MONTH	25.1	-4.6	12.6	26.4	5.7	13.3	23.8	2.5	11.6	22.1	-3.8	9.4
YEAR	26.4	-22.6	2.6									

380251107513000 WEST FORK DALLAS CREEK METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.2	.0	1.3	.0	.0	.1	.0
4	.4	.0	.0	.0	.0	.0	.0	.1	.0	.0	.3	.0
5	.0	.3	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
6	.0	.1	.0	.0	.0	.0	.6	.0	.0	.1	.1	.0
7	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0
8	.1	.0	.2	.0	.9	.0	.0	.0	.0	.0	.0	.0
9	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	.5	.0
10	.0	.2	.3	.0	.0	.1	.3	.0	.0	.6	.4	.0
11	.1	.3	.2	.0	.0	.0	.1	.0	.0	.2	.0	.0
12	.0	.3	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.2	.1	.1	.0	.0	.0	.1	.1	.2	.0
14	.0	.0	.0	.0	.2	.0	.0	.0	.6	.6	.1	.0
15	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2	.0	.0
16	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0
17	.0	.1	.0	.0	.0	.6	.0	.0	.0	.0	.0	.6
18	.0	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
22	.1	.0	.0	.0	.0	.0	.9	.0	.0	.0	.7	.0
23	.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.0	.0	.2	.0	.0	.0	.1	.2	.0	.0
25	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0
27	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
28	.7	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	---	.4	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.1	---	.0	.0	.0	.0	.5	.1	.0
31	.6	---	.0	.0	---	.0	---	.0	---	.1	.0	---
TOTAL	2.6	1.6	1.3	1.0	2.0	1.7	2.2	1.9	0.9	3.2	2.8	0.6

CAL YR 2000 TOTAL 27.2
WTR YR 2001 TOTAL 21.8

380324107444500 WHITEHOUSE CREEK METEOROLOGICAL STATION NEAR OURAY, CO

LOCATION.--Lat 38°03'24", long 107°44'45", in NW$^{1}/_{4}$NW$^{1}/_{4}$ 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, 25.1°C, June 30, July 3, 28; minimum, -22.6°C, Nov. 18.
PRECIPITATION: Maximum daily, 1.5 inches, May 3.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.9	4.6	10.4	-1.0	-10.5	-5.8	2.1	-11.3	-5.3	2.1	-12.5	-8.0
2	18.9	3.9	10.6	1.1	-11.3	-6.4	5.7	-8.3	-3.9	1.8	-14.1	-9.6
3	18.1	6.0	11.1	2.5	-7.9	-4.3	5.3	-9.4	-5.0	6.4	-12.1	-5.4
4	11.0	1.4	6.6	7.1	-8.3	-1.8	4.6	-9.8	-5.0	8.8	-8.3	-3.7
5	13.5	.4	5.1	1.4	-12.1	-5.5	5.7	-8.6	-2.9	9.9	-6.4	-2.8
6	15.4	1.8	6.6	-3.8	-14.1	-9.4	3.5	-10.1	-4.6	8.5	-7.1	-3.0
7	14.6	1.1	6.4	-8.3	-17.4	-12.4	2.8	-6.4	-2.5	2.1	-11.7	-7.5
8	12.1	.4	4.6	2.5	-17.9	-8.7	1.1	-4.2	-2.5	3.5	-12.1	-7.4
9	9.5	-.7	2.8	2.1	-9.4	-4.5	-.3	-9.0	-3.9	3.2	-9.8	-4.8
10	12.4	-1.4	4.3	-.3	-6.8	-3.7	.4	-9.0	-4.8	-1.0	-13.3	-7.1
11	8.5	2.5	5.2	-5.7	-13.7	-9.7	-6.8	-14.1	-10.0	5.3	-13.3	-4.1
12	8.8	-2.4	3.0	-7.9	-18.8	-13.6	-2.8	-9.8	-6.5	.7	-7.1	-2.8
13	7.8	-3.1	1.1	-5.7	-20.2	-14.4	-4.6	-12.5	-7.7	-6.4	-17.0	-10.0
14	8.5	-4.9	.3	5.3	-16.2	-6.4	-2.4	-12.1	-7.5	-5.7	-18.8	-13.6
15	10.6	-4.2	1.2	-3.1	-17.0	-9.6	-3.5	-12.9	-8.1	-5.3	-18.3	-12.8
16	9.5	-3.5	1.5	-6.8	-18.8	-13.8	-.7	-17.0	-9.7	-6.8	-17.9	-12.6
17	13.1	-3.1	2.7	-5.3	-20.2	-14.0	4.9	-16.2	-6.4	-7.9	-19.7	-15.8
18	14.6	-1.7	4.1	-2.8	-22.6	-12.3	-8.3	-18.3	-14.2	-3.1	-20.2	-14.3
19	11.3	-1.4	3.8	3.5	-12.1	-7.6	3.5	-15.7	-7.2	-1.7	-17.0	-11.5
20	15.0	-2.1	4.0	4.6	-11.7	-6.8	-1.7	-14.1	-6.7	-6.8	-17.4	-12.0
21	10.6	-1.4	4.3	6.0	-11.3	-4.8	-.7	-15.7	-9.1	2.8	-17.4	-9.0
22	7.8	-2.1	2.3	6.7	-6.4	-2.3	3.9	-9.8	-4.3	6.0	-10.9	-3.9
23	5.7	.0	2.0	2.8	-10.5	-5.2	2.5	-10.1	-6.0	1.4	-11.3	-5.7
24	2.8	-2.4	-.1	2.8	-11.3	-7.1	3.9	-10.1	-4.8	3.9	-12.5	-5.3
25	5.3	-4.2	-.3	-2.4	-12.5	-8.6	-6.0	-12.5	-8.5	-.7	-14.5	-6.5
26	8.8	-5.7	-.6	3.5	-10.9	-5.4	-3.8	-15.3	-11.2	-3.5	-16.2	-9.1
27	10.2	-2.1	3.6	7.8	-5.7	-1.3	1.4	-12.9	-7.8	-4.6	-10.1	-7.6
28	1.4	-2.1	-.4	4.9	-8.6	-3.7	3.5	-10.5	-6.1	-5.3	-11.3	-8.6
29	7.1	-4.6	.0	9.9	-8.6	-2.1	2.1	-11.3	-7.7	-2.8	-16.6	-9.9
30	7.1	-6.4	-.3	2.8	-10.5	-2.6	1.1	-11.7	-5.3	-9.4	-16.6	-13.2
31	1.4	-9.8	-3.8	---	---	---	1.1	-12.1	-6.9	-6.4	-21.6	-15.6
MONTH	18.9	-9.8	3.3	9.9	-22.6	-7.1	5.7	-18.3	-6.5	9.9	-21.6	-8.5

380324107444500 WHITEHOUSE CREEK METEOROLOGICAL STATION NEAR OURAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	-2.8	-17.9	-11.3	-1.7	-15.3	-8.6	10.6	-2.8	4.1	16.9	1.4	10.0
2	4.2	-11.7	-5.0	3.5	-15.3	-7.9	8.5	2.5	5.6	12.1	-2.8	6.5
3	1.8	-9.0	-3.9	-1.4	-11.7	-7.1	9.9	-2.1	5.4	-1.0	-3.8	-2.8
4	6.0	-9.8	-4.0	5.3	-13.7	-5.3	11.3	-.7	5.7	1.4	-7.1	-2.3
5	7.8	-8.6	-1.7	6.4	-7.1	-1.1	6.0	-.3	3.2	6.4	-2.8	.1
6	8.5	-7.1	-.4	6.7	-5.7	-.3	1.4	-5.7	-2.1	9.9	-3.5	3.3
7	1.4	-3.8	-1.4	2.1	-5.3	-2.0	3.2	-7.5	-1.4	12.1	-4.2	3.8
8	-3.8	-12.5	-6.9	6.4	-6.8	-1.3	3.2	-4.9	-.4	15.4	-1.7	6.2
9	-.7	-19.3	-10.7	6.0	-7.1	-.8	6.4	-7.9	-.5	16.5	.4	7.9
10	3.2	-13.7	-6.0	2.8	-6.4	-2.7	1.4	-6.8	-2.3	16.5	2.8	8.9
11	-2.8	-6.0	-4.5	-3.5	-9.0	-6.1	-.7	-7.9	-5.0	16.5	.0	7.6
12	3.9	-6.0	-1.5	.7	-10.1	-4.7	1.8	-9.4	-4.9	16.9	.7	8.1
13	3.9	-7.5	-2.0	4.6	-10.9	-4.2	6.7	-12.9	-3.4	15.4	1.4	7.3
14	-2.4	-16.6	-8.7	1.8	-14.5	-7.9	7.4	-5.3	1.1	15.0	1.4	7.4
15	-3.5	-17.4	-11.7	-2.1	-17.0	-8.4	12.4	-4.6	2.9	16.9	1.4	8.8
16	2.5	-15.3	-7.3	.0	-10.5	-4.6	13.5	-4.2	3.8	16.5	2.5	9.0
17	5.3	-12.9	-5.4	-5.3	-10.9	-6.5	16.1	-2.4	5.7	15.0	1.4	6.6
18	1.1	-7.9	-2.5	2.1	-10.9	-4.9	17.3	.0	9.0	16.5	-.3	8.1
19	5.7	-6.8	-1.2	6.0	-11.7	-3.0	12.8	6.0	8.6	9.5	2.8	5.6
20	4.2	-5.3	-.4	11.0	-6.8	1.4	6.4	.4	3.8	14.6	1.1	8.0
21	1.1	-6.8	-2.6	10.2	-1.4	3.5	3.2	-3.5	.1	8.8	-3.8	2.1
22	2.8	-7.9	-1.5	8.8	-2.4	1.5	-1.7	-5.7	-3.6	13.1	-1.4	5.8
23	1.1	-9.4	-3.3	5.3	-3.1	.1	4.6	-6.8	-1.2	16.5	.4	8.6
24	-3.5	-11.3	-8.1	7.1	-4.6	1.1	10.6	-6.4	1.7	17.7	2.8	9.7
25	1.1	-12.5	-6.8	10.6	-2.1	3.4	15.4	-3.1	5.1	16.9	3.5	9.4
26	1.4	-12.9	-5.9	5.7	-2.8	.2	15.8	-1.4	5.4	19.3	3.9	12.1
27	.0	-9.8	-5.0	3.5	-6.0	-.8	13.5	.4	6.0	17.7	6.7	12.7
28	-1.0	-11.3	-6.9	.0	-7.9	-3.3	11.3	.7	5.6	18.1	5.7	11.8
29	---	---	---	1.8	-6.0	-2.3	13.9	1.8	7.2	15.0	2.5	8.6
30	---	---	---	4.9	-9.0	-1.4	15.0	.4	6.9	16.1	2.1	9.4
31	---	---	---	7.1	-6.4	.7	---	---	---	16.9	1.8	9.4
MONTH	8.5	-19.3	-4.9	11.0	-17.0	-2.7	17.3	-12.9	2.4	19.3	-7.1	7.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.5	3.2	11.6	18.5	8.5	13.4	17.3	9.2	12.6	16.1	6.0	10.0
2	20.5	6.0	13.0	23.8	7.8	14.8	16.5	8.5	11.8	18.9	5.7	9.7
3	17.3	8.5	12.2	25.1	9.5	17.0	18.1	8.8	12.1	21.7	4.9	10.5
4	13.5	2.1	8.3	23.3	8.8	14.2	16.9	8.5	11.4	18.9	7.4	11.4
5	---	1.1	---	24.6	8.8	14.4	20.5	7.4	12.2	18.9	6.7	11.7
6	19.7	3.9	12.1	22.9	9.5	15.1	19.3	8.5	12.4	18.9	7.8	12.2
7	20.1	5.7	12.7	22.1	8.5	13.9	19.3	9.2	12.4	12.4	-1.4	6.3
8	21.3	6.7	12.7	21.3	8.8	13.5	17.7	7.8	12.3	8.5	-1.0	3.6
9	22.9	7.4	15.2	22.1	7.8	12.7	20.9	8.5	12.1	15.4	-2.1	5.5
10	23.8	9.2	15.4	18.5	6.7	11.0	15.0	7.8	10.2	19.3	1.4	8.9
11	22.5	6.4	14.4	18.9	7.4	11.1	20.5	6.4	12.3	19.7	4.6	10.3
12	18.5	3.9	12.9	17.7	7.4	11.9	22.5	7.8	14.0	20.5	6.0	13.3
13	4.2	-2.8	.3	18.5	8.5	11.8	15.8	9.2	12.4	17.3	6.7	12.0
14	8.8	-4.2	1.5	12.4	6.7	9.4	15.0	7.8	10.2	17.3	6.0	10.0
15	17.3	-1.0	8.1	17.3	6.4	10.5	18.5	4.9	10.9	18.5	4.2	9.8
16	21.7	3.5	12.1	20.1	4.9	12.4	20.9	6.0	11.3	16.5	4.9	9.5
17	22.9	5.7	14.0	18.1	8.5	13.0	19.7	6.0	11.6	12.4	3.9	6.4
18	22.5	8.8	15.1	19.3	7.4	13.2	22.9	6.0	13.1	14.3	1.1	6.7
19	22.1	6.0	14.7	18.5	7.4	12.9	20.9	8.5	11.4	17.7	1.8	8.3
20	22.1	7.4	14.2	20.1	8.8	13.9	17.3	8.5	10.6	19.7	3.9	9.8
21	22.9	7.1	14.5	18.9	9.5	13.7	16.5	6.7	10.6	17.7	4.6	9.5
22	21.7	8.5	14.2	20.5	7.8	14.0	12.4	3.2	7.0	16.9	4.9	10.0
23	22.1	8.5	13.9	20.1	9.2	13.5	18.9	2.8	9.5	20.1	4.2	10.5
24	20.1	7.1	12.3	17.3	7.8	11.9	19.7	5.3	11.4	19.7	4.9	11.0
25	18.5	6.7	12.4	20.5	6.7	12.3	21.7	6.7	12.7	20.5	5.3	10.6
26	16.5	9.9	12.2	15.4	7.4	11.0	22.9	7.8	13.6	20.1	4.9	11.0
27	17.7	4.6	11.0	18.9	7.1	12.2	22.1	8.5	13.9	20.5	4.9	11.4
28	22.5	6.7	13.6	25.1	7.4	14.6	22.5	8.5	12.9	19.3	5.7	11.0
29	23.3	9.2	15.5	24.6	9.2	16.4	20.1	6.7	12.2	18.5	6.0	11.0
30	25.1	9.2	16.0	17.7	9.9	13.0	18.1	6.0	9.3	18.1	4.9	10.4
31	---	---	---	15.8	9.2	11.9	16.5	6.0	9.4	---	---	---
MONTH	25.1	-4.2	12.3	25.1	4.9	13.1	22.9	2.8	11.6	21.7	-2.1	9.7
YEAR	25.1	-22.6	2.5									

380324107444500 WHITEHOUSE CREEK METEOROLOGICAL STATION NEAR OURAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
3	.0	.0	.0	.0	.0	.1	.0	1.5	.0	.0	.3	.0
4	.4	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
5	.0	.5	.0	.0	.0	.0	.0	.7	.0	.0	.8	.0
6	.0	.1	.0	.0	.0	.0	.4	.0	.0	.2	.0	.0
7	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.1	.0
8	.0	.0	.1	.0	1.4	.0	.0	.0	.0	.2	.0	.0
9	.0	.0	.1	.0	.0	.0	.0	.0	.0	.7	.0	.0
10	.1	.2	.2	.0	.0	.4	.3	.0	.0	.2	.6	.0
11	.0	.4	.4	.0	.0	.2	.3	.0	.0	.6	.0	.0
12	.1	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.1	.1	.2	.0	.0	.3	.3	.1	.3	.0
14	.0	.0	.1	.0	.1	.0	.0	.0	.7	.4	.2	.0
15	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17	.0	.2	.0	.0	.0	.5	.0	.0	.0	.0	.0	.4
18	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.1
19	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.3	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0
21	.0	.0	.0	.0	.1	.0	.3	.0	.0	.0	.5	.0
22	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.5	.0
23	.4	.0	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0
24	.2	.0	.0	.0	.2	.0	.0	.0	.1	.0	.0	.0
25	.1	.1	.1	.2	.0	.0	.0	.0	.1	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0
27	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0
28	.9	.0	.0	.5	.1	.1	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	---	.1	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.2	---	.0	.0	.0	.0	.3	.1	.0
31	.3	---	.0	.0	---	.0	---	.0	---	.1	.1	---
TOTAL	2.5	1.9	1.2	1.4	2.7	2.0	2.7	3.3	1.3	3.1	4.8	0.5

CAL YR 2000 TOTAL 24.3
WTR YR 2001 TOTAL 27.4

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 3; minimum, -17.4°C, Nov. 18.
PRECIPITATION: Maximum daily, 1.3 inches, Feb. 8.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.5	10.6	15.7	1.4	-4.9	-2.1	3.2	-5.3	-1.7	5.7	-6.4	-1.8
2	22.9	11.0	16.4	2.1	-6.4	-2.4	4.9	-1.7	.9	-1.0	-10.1	-5.3
3	20.1	12.1	15.7	4.9	-4.6	-.9	6.0	-3.1	.7	5.7	-6.0	-.6
4	13.5	4.9	10.2	7.4	-3.1	1.6	6.0	-1.7	.9	11.0	-2.1	2.3
5	16.9	4.9	10.0	1.1	-7.5	-2.9	8.1	-2.1	2.0	10.2	-1.0	3.1
6	18.5	8.1	12.1	-3.1	-9.4	-6.2	4.6	-5.7	-1.2	10.6	-1.4	2.6
7	17.3	8.1	11.6	-5.7	-12.1	-8.6	6.4	-1.0	1.8	1.1	-6.4	-3.3
8	14.6	3.9	8.5	1.8	-12.9	-5.3	4.6	-1.4	.5	4.6	-4.9	-1.1
9	13.9	4.6	7.8	3.5	-4.6	-.9	4.6	-3.1	-.3	5.3	-3.8	-.4
10	15.0	6.0	9.9	1.8	-4.6	-.9	4.2	-6.0	-.4	1.8	-6.4	-2.4
11	13.5	4.2	8.1	.4	-9.8	-6.2	-5.3	-10.5	-7.0	4.2	-6.4	-.9
12	12.1	1.4	6.2	-7.1	-13.3	-10.4	2.5	-6.8	-3.7	4.9	-4.2	.6
13	11.0	.4	4.7	-4.2	-14.1	-10.5	-1.7	-6.4	-4.8	-4.2	-10.9	-6.9
14	11.3	-.3	4.1	3.5	-11.7	-3.4	1.8	-6.4	-3.1	-3.1	-12.5	-8.7
15	13.5	-.3	5.6	.0	-10.5	-5.5	.7	-7.1	-3.8	-3.8	-12.1	-8.4
16	12.8	1.8	6.5	-6.0	-12.5	-9.3	.0	-10.9	-6.4	-4.6	-12.5	-8.9
17	15.8	1.4	7.9	-4.6	-13.7	-10.2	8.5	-10.5	-2.9	-7.5	-15.7	-12.1
18	17.7	6.0	10.7	-3.5	-17.4	-10.3	-6.0	-12.9	-10.0	-4.6	-16.6	-10.7
19	15.0	6.0	9.6	3.5	-9.4	-3.1	4.2	-12.9	-3.3	-2.4	-10.9	-6.5
20	16.9	4.6	9.5	3.9	-5.3	-1.1	.4	-7.5	-3.6	-3.8	-10.5	-7.0
21	14.3	4.2	9.5	7.8	-2.8	1.5	2.5	-8.3	-2.8	2.1	-11.7	-5.4
22	9.9	2.1	5.4	6.7	-1.4	2.3	6.4	-3.5	1.0	6.0	-4.9	-.7
23	9.5	2.8	4.9	2.1	-6.0	-1.9	5.7	-3.1	.2	2.8	-5.3	-1.3
24	6.4	.0	2.9	3.2	-6.0	-2.3	6.4	-3.5	.2	3.5	-5.7	-1.0
25	8.8	-1.0	2.9	-1.0	-6.8	-4.7	-3.5	-8.6	-6.2	1.1	-7.9	-2.9
26	11.7	-1.4	4.0	5.3	-6.8	-.9	-4.6	-9.8	-8.1	-1.0	-8.6	-4.5
27	13.5	3.9	8.5	8.1	-2.1	2.7	2.5	-10.1	-3.2	-4.2	-6.8	-5.4
28	3.9	.4	1.9	7.1	-1.0	1.8	3.9	-6.0	-1.2	-3.5	-8.6	-5.9
29	8.8	-.7	3.0	11.0	-1.0	5.2	3.9	-4.9	-1.7	-1.4	-10.5	-6.5
30	9.9	-1.7	4.0	4.9	-4.2	1.4	4.2	-3.8	-.2	-6.0	-11.7	-9.2
31	3.5	-5.3	-.8	---	---	---	1.4	-5.7	-2.7	-6.0	-16.2	-11.3
MONTH	22.9	-5.3	7.6	11.0	-17.4	-3.1	8.5	-12.9	-2.3	11.0	-16.6	-4.2

380436107411500 PORTLAND METEOROLOGICAL STATION NEAR OURAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	-2.1	-13.7	-7.5	2.5	-8.6	-3.5	14.6	3.5	8.7	22.5	8.8	16.1
2	2.8	-8.6	-2.2	2.5	-7.9	-2.9	13.9	5.3	9.3	15.0	.7	9.1
3	4.2	-2.4	.7	1.4	-5.3	-2.6	14.3	4.9	9.8	1.1	-1.7	-.6
4	6.4	-3.8	.3	7.1	-6.8	-.2	15.4	7.4	10.2	5.7	-3.5	.7
5	9.9	-.3	4.2	8.8	-1.4	4.1	9.2	2.1	6.7	7.1	-.7	2.0
6	11.3	.4	4.7	9.5	1.1	4.6	4.2	-3.1	-.2	13.9	2.8	7.9
7	6.0	-1.7	2.0	3.5	-.7	1.4	6.4	-2.8	1.5	16.5	2.1	9.2
8	-1.7	-10.5	-4.8	8.8	-1.7	2.8	7.8	-2.4	2.6	20.5	6.4	12.8
9	2.1	-17.0	-8.5	8.5	.0	4.1	9.9	-3.5	2.8	20.9	10.6	15.3
10	4.6	-8.6	-2.0	7.4	-4.6	.6	5.3	-4.6	.0	20.5	11.3	15.2
11	.7	-3.1	-1.3	-.7	-6.0	-3.2	.4	-4.9	-2.6	20.5	7.8	13.9
12	5.3	-2.4	1.0	2.8	-4.2	-1.4	2.8	-4.9	-1.4	22.1	10.6	16.2
13	7.1	-2.4	.9	6.0	-4.2	.5	9.5	-6.4	1.0	20.9	6.7	14.6
14	-1.0	-9.8	-5.0	4.2	-8.6	-2.7	10.2	.7	5.8	19.3	6.7	12.7
15	-.7	-9.8	-6.1	1.8	-10.1	-4.2	15.8	2.8	8.6	21.3	9.9	15.0
16	3.2	-9.4	-3.7	4.9	-4.2	-.9	17.7	2.8	10.1	21.7	11.3	15.7
17	6.0	-5.3	-.2	-2.8	-6.0	-3.9	20.1	6.7	12.8	18.1	7.1	11.3
18	3.5	-2.4	.9	3.2	-6.0	-1.3	20.9	9.2	14.7	21.7	5.7	13.5
19	8.1	-1.4	2.6	9.5	-3.8	2.1	16.1	10.2	13.0	13.5	6.7	9.5
20	8.5	.0	3.6	13.9	.4	7.3	11.3	2.8	7.8	17.7	6.4	12.2
21	5.3	-2.4	1.2	12.8	4.9	9.1	8.5	-1.4	3.7	12.1	-2.1	5.4
22	5.7	-1.0	2.6	11.3	2.1	5.3	.7	-2.4	-1.3	18.5	3.5	10.5
23	4.2	-6.4	-.3	11.0	1.4	4.7	7.8	-3.5	1.9	21.7	7.4	14.2
24	-1.4	-7.5	-4.8	10.6	.7	5.4	15.8	-.3	6.8	22.1	10.2	15.9
25	2.1	-6.0	-2.5	15.0	3.9	8.3	18.9	3.2	10.9	21.7	11.0	15.8
26	1.8	-6.0	-2.5	10.6	1.1	4.1	19.3	7.1	12.9	24.2	11.7	18.1
27	2.5	-4.9	-1.7	7.4	-.7	2.5	19.3	8.5	13.3	22.9	14.6	18.3
28	-.3	-6.4	-3.5	2.1	-2.8	-.1	14.6	6.7	10.8	23.8	13.5	17.9
29	---	---	---	4.9	-1.4	.9	17.7	8.5	12.9	18.9	8.8	13.3
30	---	---	---	7.4	-3.5	1.9	19.7	6.7	12.9	21.7	8.1	14.7
31	---	---	---	11.0	-.3	5.0	---	---	---	22.5	7.4	14.6
MONTH	11.3	-17.0	-1.1	15.0	-10.1	1.5	20.9	-6.4	6.9	24.2	-3.5	12.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.5	9.9	17.3	26.4	16.1	18.8	21.7	11.3	17.2	20.1	11.7	15.0
2	25.1	13.1	18.8	28.7	14.3	21.3	21.3	11.0	16.4	23.3	11.7	16.9
3	22.9	11.3	17.0	30.6	16.1	22.1	23.3	15.0	18.5	24.6	12.1	17.3
4	18.5	7.4	13.1	29.7	15.4	20.6	21.3	12.1	16.2	25.5	14.3	18.4
5	21.3	4.6	12.8	28.7	14.3	20.8	26.4	13.5	17.9	24.6	14.6	18.0
6	26.0	9.9	17.9	28.7	16.1	22.3	24.2	13.5	18.7	23.8	11.7	17.4
7	22.9	10.6	17.5	26.4	14.3	19.8	24.6	13.5	16.8	18.1	1.8	10.0
8	25.5	13.9	18.3	28.2	14.6	18.7	23.3	11.3	16.7	12.8	3.2	7.8
9	26.4	16.1	20.9	28.2	12.1	17.5	20.9	11.7	15.0	19.7	2.1	10.2
10	27.3	15.4	20.7	22.9	12.1	15.9	18.9	12.4	14.5	23.3	8.5	15.4
11	27.3	12.1	20.0	22.9	11.3	16.1	25.1	11.0	17.7	25.1	12.1	17.7
12	24.2	6.0	17.4	21.7	12.1	17.1	24.2	13.9	19.3	26.4	14.6	20.3
13	8.5	-.7	2.6	22.9	13.5	16.4	20.9	11.3	16.3	21.3	11.0	16.1
14	15.0	-1.7	5.7	16.5	11.0	14.0	19.7	11.0	13.8	22.1	9.5	14.5
15	22.5	4.6	13.9	20.5	10.2	14.2	22.1	8.5	15.1	22.9	10.2	16.1
16	26.4	11.7	18.9	25.5	12.4	18.9	22.1	10.6	16.0	20.9	10.6	15.2
17	26.9	13.5	20.2	24.2	13.1	18.1	24.6	11.0	17.8	18.1	6.4	10.1
18	26.4	13.1	20.0	25.5	13.9	19.1	26.9	13.1	19.6	18.9	4.2	11.0
19	26.4	12.1	19.7	24.6	14.6	19.5	26.0	15.0	18.9	22.9	8.5	14.5
20	27.3	12.4	20.1	25.1	15.4	19.2	22.5	11.3	15.7	22.9	11.0	16.1
21	27.3	13.9	20.1	24.2	15.4	19.9	20.1	9.5	14.3	22.9	12.4	16.8
22	26.0	13.9	20.0	26.4	14.3	20.4	14.6	8.1	10.3	22.9	12.8	16.7
23	26.0	14.6	20.1	24.6	16.1	20.1	22.9	8.1	14.9	24.2	11.3	16.9
24	21.7	13.5	16.6	21.3	13.5	16.9	23.8	11.7	17.6	24.2	12.1	17.5
25	22.9	15.0	18.4	25.1	13.9	17.9	25.5	12.1	18.9	25.1	12.4	17.3
26	21.7	12.4	16.9	19.7	10.2	14.2	27.3	13.5	20.1	24.6	12.8	17.5
27	23.8	8.8	15.9	24.6	10.2	17.2	26.9	15.4	21.1	25.1	12.8	18.2
28	26.4	12.1	19.6	29.2	13.9	21.1	26.0	13.9	19.5	23.3	13.1	17.8
29	29.2	15.0	21.6	29.7	16.9	23.4	24.6	11.7	18.0	22.9	15.0	18.0
30	27.8	15.8	21.8	23.8	12.4	18.0	21.7	11.0	15.1	22.5	13.5	16.9
31	---	---	---	24.6	12.1	16.4	21.3	11.3	15.0	---	---	---
MONTH	29.2	-1.7	17.5	30.6	10.2	18.6	27.3	8.1	16.9	26.4	1.8	15.7
YEAR	30.6	-17.4	7.2									

380436107411500 PORTLAND METEOROLOGICAL STATION NEAR OURAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0
4	.3	.0	.0	.0	.0	.0	.0	.4	.0	.1	.0	.0
5	.0	.2	.0	.0	.0	.0	.0	.5	.0	.0	.1	.1
6	.0	.1	.0	.0	.0	.0	.3	.0	.0	.0	.2	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
8	1.2	.0	.1	.0	1.3	.0	.0	.0	.0	.2	.0	.0
9	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
10	.0	.2	.1	.0	.0	.3	.5	.0	.0	.1	.1	.0
11	.2	.3	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0
12	.0	.3	.0	.2	.0	.0	.0	.0	.1	.0	.0	.0
13	.0	.0	.1	.2	.1	.0	.0	.0	.4	.2	.3	.0
14	.0	.0	.0	.0	.1	.0	.0	.0	.3	.1	.2	.0
15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0
16	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
17	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.3
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
22	.1	.0	.0	.0	.0	.0	.8	.0	.0	.0	.4	.0
23	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
24	.1	.0	.0	.0	.1	.0	.0	.0	.3	.1	.0	.0
25	.0	.0	.1	.2	.0	.0	.0	.0	.0	.2	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
27	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
28	.7	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	---	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.1	---	.0	.0	.0	.0	.2	.0	.0
31	.1	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	2.9	1.2	0.5	1.0	2.1	0.6	1.7	2.4	1.1	1.6	2.5	0.4

CAL YR 2000 TOTAL 19.0
WTR YR 2001 TOTAL 18.0

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 recorded, 30.1°C, July 4; minimum, -19.3°C, Jan. 31.
PRECIPITATION: Maximum daily, 0.9 inches, July 11.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.7	8.5	---	---	---	---	---	---	---	5.3	-9.4	-3.6
2	---	7.4	---	---	---	---	6.4	-6.4	-1.3	.7	-10.9	-6.2
3	---	---	---	---	---	---	8.8	-6.0	-1.1	7.4	-10.9	-3.4
4	---	---	---	---	---	---	7.4	-7.1	---	11.7	-6.8	-.4
5	---	---	---	---	---	---	8.1	-5.3	---	11.7	-6.8	.3
6	---	---	---	---	---	---	---	-7.1	---	11.0	-5.3	.7
7	---	---	---	---	---	---	6.4	---	---	3.5	-9.8	-4.3
8	---	---	---	---	---	---	7.8	-2.1	---	5.7	-10.5	-3.6
9	---	---	---	---	---	---	3.5	-2.4	.5	3.9	-8.6	-2.8
10	---	---	---	---	---	---	3.9	-3.8	.0	3.2	-9.8	-2.5
11	---	---	---	---	---	---	-1.7	-10.5	-6.2	5.3	-10.1	-2.9
12	---	---	---	---	---	---	1.8	-6.4	-3.6	6.0	-3.8	1.1
13	---	---	---	---	---	---	-1.0	-8.3	-4.1	-1.0	-12.1	-6.0
14	---	---	---	4.6	---	---	1.1	-5.3	-2.3	-1.7	-15.7	-10.2
15	---	---	---	1.1	-12.5	-5.7	.4	-6.8	-3.0	.0	-16.2	-9.8
16	---	---	---	-1.0	-15.3	-9.2	.4	-15.3	-8.3	-3.5	-14.5	-9.8
17	---	---	---	-3.1	-17.9	-10.2	6.7	-10.9	-4.1	-5.3	-17.0	-12.3
18	---	---	---	-2.1	-15.7	-9.7	-4.9	-15.7	-11.6	-2.4	-18.8	-11.8
19	---	---	---	4.9	-13.3	-5.2	6.0	-16.2	-6.0	.4	-14.9	-7.8
20	---	---	---	5.7	-10.9	-3.4	1.4	-10.1	-3.6	-2.1	-14.5	-7.0
21	---	---	---	9.2	-7.9	-1.4	4.2	-11.7	-4.8	3.2	-15.3	-7.8
22	---	---	---	8.8	-4.2	1.0	6.7	-6.4	-.7	7.1	-11.3	-3.5
23	---	---	---	4.2	-7.9	-2.4	6.7	-6.8	-2.3	6.4	-7.1	-1.4
24	---	---	---	5.7	-10.9	-3.2	5.7	-6.8	-1.0	5.3	-10.1	-3.0
25	---	---	---	.4	-10.5	-5.2	-2.8	-6.0	-4.6	.4	-6.8	-2.7
26	---	---	---	5.7	-10.5	-2.2	-3.5	-12.5	-7.8	2.1	-12.5	-5.4
27	---	---	---	7.8	-2.4	2.0	3.9	-13.3	-5.8	-1.4	-7.9	-4.7
28	---	---	---	7.8	-4.2	.9	7.1	-8.6	-3.1	-2.8	-7.9	-5.1
29	---	---	---	---	-6.0	---	6.0	-10.5	-4.4	.4	-12.9	-5.8
30	---	---	---	7.4	2.5	---	6.7	-9.4	-1.8	-4.9	-13.3	-9.2
31	---	---	---	---	---	---	4.2	-9.4	-3.2	-2.1	-19.3	-12.1
MONTH	---	---	---	---	---	---	---	---	---	11.7	-19.3	-5.3

380844107512200 PLEASANT VALLEY METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.5	-15.7	-8.8	2.5	-9.0	-2.9	14.3	.7	8.1	21.3	5.3	14.9
2	5.7	-12.5	-4.2	3.2	-10.5	-3.3	13.1	4.6	9.9	17.3	1.4	11.0
3	5.3	-5.7	-.9	2.1	-6.4	-2.5	14.6	3.5	10.1	2.8	-1.4	.2
4	9.2	-7.9	-.4	7.1	-9.8	-.9	15.0	4.9	10.3	6.4	-4.6	1.4
5	9.9	-4.9	2.1	9.9	-3.1	2.6	10.6	4.6	7.9	9.5	-.3	3.0
6	9.9	-2.8	4.5	10.6	-2.4	4.2	5.7	-1.4	1.2	14.3	.7	7.8
7	7.1	-1.0	3.9	3.5	-1.7	1.1	7.8	-2.8	2.8	16.5	-1.4	8.4
8	-1.0	-9.4	-3.8	10.2	-2.8	3.0	6.4	-3.1	3.1	19.7	1.8	11.1
9	-2.8	-17.9	-8.6	8.8	-2.1	3.8	10.6	-5.3	3.0	21.3	4.2	13.9
10	5.7	-11.7	-2.7	6.7	-2.8	1.3	6.4	-3.1	.7	21.3	9.5	15.8
11	1.4	-3.8	-1.1	.4	-4.2	-1.7	2.8	-3.5	-1.2	20.5	3.9	12.9
12	5.7	-4.9	.6	3.2	-4.9	-.7	3.9	-3.8	-.5	21.3	3.9	13.7
13	6.7	-3.8	.9	6.4	-6.0	.4	9.9	-8.6	.9	20.1	8.5	14.2
14	-.7	-8.6	-3.8	4.9	-6.0	-2.0	10.6	-2.1	4.6	19.7	5.3	12.9
15	1.8	-10.9	-5.3	1.8	-9.0	-3.7	14.6	-1.4	6.6	20.9	6.7	14.8
16	4.2	-12.9	-4.0	4.9	-4.9	-.9	16.9	-1.4	8.3	21.3	7.4	15.0
17	7.1	-9.4	-.8	.4	-9.0	-3.1	19.3	1.1	10.5	18.9	5.7	11.6
18	5.3	-4.6	.6	4.2	-9.0	-2.5	19.7	3.9	13.1	20.9	2.8	13.3
19	7.1	-2.1	2.8	9.2	-8.3	.9	16.5	11.0	13.4	13.5	7.4	10.7
20	7.8	-1.0	4.4	14.6	-3.1	6.1	11.3	4.9	9.0	18.5	4.6	12.1
21	5.3	-2.1	1.9	13.1	1.8	7.7	9.9	-.3	5.1	12.4	-1.4	5.6
22	6.7	-2.8	1.4	12.4	.7	5.4	3.2	-2.8	-.2	18.1	-.7	9.6
23	6.7	-6.0	1.0	10.6	.0	4.5	8.5	-3.8	2.1	21.3	3.2	13.1
24	-.7	-6.8	-4.2	11.3	-2.1	5.4	16.5	-2.8	6.2	21.7	6.7	14.8
25	2.8	-7.1	-2.2	15.0	1.1	7.6	18.1	-.3	9.6	21.7	6.4	15.2
26	3.5	-8.6	-2.5	11.3	.4	4.1	18.9	1.8	10.7	24.2	7.1	17.0
27	4.6	-6.0	-1.2	7.8	-2.1	2.6	18.9	3.9	11.9	23.3	10.6	17.7
28	3.5	-6.4	-2.5	4.2	-4.2	.2	14.6	5.3	10.3	22.9	11.3	17.2
29	---	---	---	5.7	-1.7	1.2	17.7	4.6	12.0	18.9	6.0	13.1
30	---	---	---	8.5	-5.7	2.3	18.9	3.5	11.9	22.1	5.3	14.8
31	---	---	---	11.7	-2.8	4.7	---	---	---	21.7	4.6	13.9
MONTH	9.9	-17.9	-1.2	15.0	-10.5	1.4	19.7	-8.6	6.7	24.2	-4.6	12.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.6	5.3	---	26.9	12.4	19.4	23.8	12.8	17.5	22.1	8.8	14.6
2	---	---	---	28.2	9.9	20.1	24.2	11.0	16.8	23.3	7.1	15.4
3	---	---	---	29.7	12.1	21.7	24.6	13.1	18.1	26.4	7.8	16.2
4	---	---	---	30.1	14.3	21.4	22.5	11.0	16.7	26.0	9.9	17.3
5	20.1	---	---	29.2	12.8	20.2	26.9	11.3	17.6	23.8	10.2	17.4
6	25.1	7.1	16.7	29.2	14.3	21.0	26.4	12.8	18.8	22.9	11.0	16.9
7	25.5	7.8	17.5	26.4	14.6	20.4	23.8	13.1	17.5	16.9	1.4	9.7
8	25.5	9.2	16.5	27.8	12.8	19.6	22.5	11.3	17.1	12.4	1.1	7.6
9	26.0	9.2	18.8	26.4	11.0	17.4	22.5	11.7	15.4	19.3	-1.4	8.7
10	26.4	11.0	19.7	24.2	11.3	16.0	20.1	10.6	14.4	23.3	2.5	13.5
11	25.5	10.2	18.1	23.3	10.6	15.3	25.1	9.2	16.8	24.2	6.4	15.6
12	22.1	9.2	17.5	22.5	10.6	16.8	25.5	10.2	18.3	26.4	8.1	17.7
13	9.2	.0	3.8	24.6	11.0	16.4	20.9	12.1	16.2	22.5	8.8	15.7
14	14.3	-.7	6.2	18.1	10.2	13.7	18.5	10.2	14.2	22.9	7.4	14.3
15	21.7	2.8	13.5	21.3	8.8	13.7	22.5	7.1	15.1	22.9	6.4	14.6
16	25.5	4.6	17.1	24.2	8.5	16.9	24.2	8.1	15.4	21.7	8.1	14.3
17	26.4	8.5	18.2	23.3	11.7	18.3	24.2	7.8	16.4	17.7	6.4	11.2
18	26.4	12.4	19.9	24.6	11.7	18.3	27.3	8.1	17.7	18.1	2.5	10.5
19	26.0	8.5	18.5	25.1	9.9	17.0	26.4	9.9	18.0	21.7	4.2	13.2
20	26.4	9.9	18.6	25.1	10.2	17.7	20.9	10.6	15.8	22.9	5.7	13.8
21	26.9	8.8	18.7	26.4	13.9	20.2	22.5	10.2	15.4	23.3	6.4	14.9
22	27.8	10.2	19.4	26.4	9.5	19.7	14.6	5.3	10.8	22.5	7.4	---
23	27.3	11.0	20.0	24.6	12.4	18.9	23.3	4.6	14.0	23.8	---	---
24	24.2	11.7	17.8	20.5	11.0	15.7	24.2	7.4	16.2	23.8	---	---
25	24.6	9.9	18.0	25.1	9.2	17.4	25.5	8.5	17.5	24.6	---	---
26	20.9	13.5	16.1	20.5	9.9	15.6	26.9	8.8	18.2	---	---	---
27	23.8	7.1	16.2	24.2	8.8	16.3	27.3	10.2	18.9	---	---	---
28	26.9	8.8	19.1	28.2	9.9	19.4	26.4	11.3	18.1	---	---	---
29	28.7	10.6	20.2	28.7	12.4	21.6	23.3	8.8	16.8	---	---	---
30	27.8	11.3	21.0	24.6	13.5	17.7	23.3	7.8	14.6	23.3	---	---
31	---	---	---	22.5	11.3	16.3	22.1	9.5	14.6	---	---	---
MONTH	---	---	---	30.1	8.5	18.1	27.3	4.6	16.4	---	---	---

380844107512200 PLEASANT VALLEY METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	---	.0	.0	.0	.0	.0	.0	---	.0	.2	.0
2	---	---	.0	.0	.0	.0	.0	.0	---	.0	.0	.0
3	---	---	.0	.0	.0	.0	.0	.5	---	.0	.4	.0
4	---	---	.0	.0	.0	.0	.0	.1	---	.0	.0	.0
5	---	---	.0	.0	.0	.0	.0	.0	---	.0	.0	.0
6	---	---	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0
7	---	---	.0	.0	.0	.1	.0	.0	.0	.0	.2	.0
8	---	---	.0	.0	.3	.0	.0	.0	.0	.1	.0	.0
9	---	---	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
10	---	---	.1	.0	.0	.0	.0	.0	.0	.0	.2	.0
11	---	---	.0	.0	.0	.0	.1	.0	.0	.9	.0	.0
12	---	---	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
13	---	---	.0	.0	.0	.0	.0	.1	.4	.0	.6	.0
14	---	---	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
15	---	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	---	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
17	---	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.1
18	---	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	---	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
20	---	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
21	---	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
22	---	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
23	---	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24	---	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25	---	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	---	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	---	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
28	---	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
29	---	.0	.0	.0	---	.0	.0	.0	.0	.0	.0	---
30	---	.0	.0	.1	---	.0	.0	.0	.0	.3	.0	.0
31	---	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	---	---	0.2	0.4	0.4	0.6	0.4	0.9	---	2.4	2.0	---

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 recorded, 32.1°C, July 3, may have been higher during period of no record, July 10 to Aug. 28; minimum, -25.7°C, Jan. 14.
PRECIPITATION: Maximum daily, 1.0 inch, May 3, may have been higher during period of no record, July 12 to Aug. 28.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.8	1.4	12.0	4.2	-3.5	.3	5.7	-10.5	-4.5	6.4	-14.9	-6.3
2	24.2	1.1	12.1	4.6	-4.9	-.7	8.1	-10.5	-3.9	1.8	-13.7	-7.6
3	21.7	2.1	12.9	7.1	-6.4	-.4	8.5	-10.9	-3.8	7.8	-15.7	-6.5
4	16.5	6.4	10.8	9.9	-8.3	.3	7.8	-12.1	-4.1	8.8	-12.9	-4.4
5	18.9	-1.0	8.3	3.2	-7.5	-1.5	9.5	-10.5	-1.0	12.1	-12.9	-3.8
6	19.7	-1.7	8.0	-.3	-7.9	-3.8	7.4	-10.5	-3.5	10.2	-11.3	-3.3
7	20.1	-2.8	7.6	-2.8	-10.1	-5.6	7.8	-9.4	-1.7	3.5	-12.9	-6.3
8	16.9	-.7	5.9	4.2	-13.3	-4.6	6.7	-3.5	.3	6.4	-17.0	-7.4
9	16.1	-1.0	6.4	5.7	-6.8	-1.2	5.3	-3.1	.6	4.6	-13.3	-6.4
10	16.5	-2.4	7.6	4.9	-4.2	.6	6.0	-4.2	.2	4.2	-10.9	-4.0
11	16.1	4.6	10.8	-.7	-9.4	-5.0	-2.1	-9.0	-5.5	7.1	-15.3	-7.0
12	13.5	-1.0	7.6	-6.0	-15.3	-9.5	2.5	-6.0	-3.7	7.1	-11.3	1.6
13	12.8	-2.4	4.1	-2.8	-21.6	-13.6	-.7	-10.5	-4.4	-2.1	-16.6	-6.0
14	13.5	-7.5	2.5	4.6	-21.6	-9.9	2.1	-10.5	-3.5	-2.4	-25.7	-15.3
15	---	-8.6	---	-.3	-14.1	-6.2	1.8	-11.7	-3.8	-.3	-25.2	-15.2
16	14.3	-7.5	2.8	-2.8	-17.9	-9.8	-1.0	-15.7	-8.1	.4	-20.7	-13.1
17	17.7	-7.5	3.7	-1.7	-21.1	-11.5	7.4	-14.9	-6.2	-3.8	-21.6	-13.9
18	19.7	-6.4	5.5	-2.4	-18.8	-10.8	-3.1	-17.4	-11.3	-1.4	-23.1	-14.5
19	17.7	-5.3	4.5	3.9	-19.7	-9.8	4.6	-18.8	-8.2	.7	-21.6	-11.2
20	19.3	-6.4	5.0	6.0	-17.0	-8.2	.4	-12.1	-5.1	-1.7	-18.8	-9.6
21	18.5	-6.0	5.4	6.4	-16.6	-6.7	5.7	-16.6	-7.3	3.5	-20.7	-11.7
22	13.5	-1.0	6.3	9.2	-9.8	-2.7	7.4	-10.1	-2.8	3.9	-18.3	-7.3
23	12.4	1.4	5.7	6.0	-11.3	-3.2	7.1	-11.3	-5.1	5.3	-10.9	-4.1
24	10.2	-1.7	3.8	6.0	-14.5	-6.1	6.0	-12.5	-3.3	5.7	-14.9	-4.9
25	10.2	-2.4	3.5	1.4	-13.7	-5.3	-2.1	-5.3	-3.9	3.9	-8.6	-.9
26	12.8	-6.4	2.3	6.7	-15.3	-4.9	-2.1	-15.7	-7.6	2.5	-16.2	-7.0
27	15.0	-3.8	5.7	7.8	-6.0	1.1	5.7	-17.0	-9.1	-.3	-9.8	-5.6
28	6.7	2.8	4.2	8.1	-9.4	-1.6	6.0	-11.7	-5.1	-1.7	-10.1	-4.9
29	11.0	-3.5	4.2	13.1	-10.5	-.8	7.1	-15.7	-7.3	.4	-17.0	-6.5
30	12.1	-4.9	3.3	5.7	-8.6	-1.0	5.7	-13.3	-4.2	-3.8	-17.4	-10.6
31	4.2	-4.2	1.2	---	---	---	4.2	-13.3	-3.9	-1.7	-24.1	-13.5
MONTH	---	-8.6	---	13.1	-21.6	-4.7	9.5	-18.8	-4.5	12.1	-25.7	-7.7

380916107452200 RIDGWAY METEOROLOGICAL STATION AT RIDGWAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.4	-18.8	-10.9	5.3	-9.0	-1.5	15.4	-4.9	6.2	23.3	.0	13.2
2	4.2	-17.9	-6.7	5.3	-9.8	-2.2	15.8	.7	9.2	17.3	2.8	10.1
3	7.1	-13.3	-3.6	4.9	-6.4	-1.8	17.3	-1.7	9.5	3.9	-.3	1.0
4	8.5	-12.5	-3.3	9.2	-9.4	-.4	18.1	1.1	9.3	8.5	-4.9	2.0
5	10.6	-11.3	-1.2	11.0	-5.7	1.6	12.1	-.7	6.4	8.8	-.3	3.2
6	11.7	-6.4	3.0	12.8	-5.3	3.7	6.4	-2.8	2.3	15.4	-1.0	7.8
7	7.4	-.7	3.9	4.9	-3.5	.8	8.8	-3.1	2.9	17.7	-3.1	7.6
8	.4	-8.6	-3.0	11.7	-3.8	3.4	9.2	-4.9	4.3	21.3	-2.8	10.4
9	-2.8	-23.1	-10.6	11.0	-4.9	3.7	13.1	-9.0	2.6	23.3	-1.0	12.4
10	7.1	-19.3	-6.7	8.5	-2.1	2.1	8.8	-2.8	1.4	22.9	3.2	13.3
11	2.8	-4.6	-.5	1.8	-3.8	-.7	3.2	-2.8	-.2	22.5	-.3	12.3
12	7.8	-7.1	.3	4.2	-5.3	-.2	5.3	-4.2	.4	24.2	-1.7	12.4
13	8.1	-9.0	-.9	8.5	-5.3	1.3	11.3	-8.3	1.8	21.7	5.7	14.4
14	.7	-12.5	-3.7	6.4	-10.5	-2.9	11.7	-7.9	2.7	20.9	6.0	13.3
15	1.4	-13.7	-6.0	3.9	-10.5	-3.0	16.9	-7.1	5.5	22.5	1.8	13.4
16	5.7	-14.5	-4.5	6.4	-5.7	-.2	18.9	-6.4	7.3	23.8	2.1	14.1
17	8.5	-11.3	-2.0	.0	-11.7	-2.5	20.9	-5.3	9.3	20.5	4.9	11.6
18	4.9	-6.4	-.7	6.0	-12.9	-2.6	22.5	-2.1	11.6	24.2	.0	12.9
19	9.2	-4.6	1.3	11.3	-7.9	1.6	18.5	13.1	15.5	16.1	8.5	12.0
20	9.5	-4.2	1.9	16.1	-6.4	4.8	13.5	6.0	10.2	20.1	2.8	12.8
21	7.4	-1.7	2.1	15.4	-2.1	7.3	11.0	-.3	5.9	13.9	-.3	7.0
22	7.4	-3.1	.8	14.3	.4	5.9	4.2	-2.1	.2	20.5	-3.5	9.1
23	5.7	-6.4	-.5	11.7	-1.4	4.6	10.2	-3.5	2.8	23.8	-1.7	12.4
24	.4	-6.0	-2.7	13.5	-4.2	4.9	17.3	-4.9	6.0	24.2	.4	13.7
25	4.9	-6.0	-.6	16.5	-3.8	6.2	20.1	-3.5	8.9	25.1	.7	14.6
26	4.9	-7.1	-1.7	13.5	-3.8	2.8	21.3	-2.8	10.0	26.9	3.5	16.6
27	4.9	-5.7	-.9	9.2	-4.2	2.9	20.9	-1.0	11.5	25.5	5.7	16.7
28	2.1	-6.8	-2.3	4.9	-7.1	-.2	16.5	3.2	11.5	25.5	6.7	17.1
29	---	---	---	7.4	-3.1	1.6	19.7	2.1	11.3	21.3	3.2	12.4
30	---	---	---	9.2	-4.9	2.5	21.3	.7	11.8	23.8	2.5	14.1
31	---	---	---	13.1	-6.0	3.7	---	---	---	24.2	.0	13.2
MONTH	11.7	-23.1	-2.1	16.5	-12.9	1.5	22.5	-9.0	6.6	26.9	-4.9	11.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.4	.7	14.8	27.7	11.0	19.1	---	---	---	21.7	5.3	13.5
2	27.3	.4	16.6	30.6	---	---	---	---	---	25.1	3.5	14.9
3	24.2	10.2	19.5	32.1	8.1	21.1	---	---	---	26.9	2.8	14.6
4	18.9	3.5	14.4	31.5	11.0	20.9	---	---	---	27.3	4.6	14.8
5	22.1	-2.1	11.8	31.1	9.2	20.3	---	---	---	26.9	3.9	15.5
6	27.3	.7	15.6	31.6	13.5	22.3	---	---	---	25.1	7.8	15.7
7	26.9	2.8	16.5	28.7	11.0	19.7	---	---	---	18.5	2.8	10.5
8	28.7	4.2	16.7	29.7	10.6	19.1	---	---	---	13.9	-1.0	7.7
9	27.8	6.0	18.4	29.2	11.0	18.0	---	---	---	20.5	-5.7	7.6
10	28.7	2.1	17.0	---	---	---	---	---	---	25.1	-4.2	10.7
11	27.8	1.4	16.5	---	---	---	---	---	---	26.4	.0	13.4
12	26.0	.7	15.6	---	---	---	---	---	---	28.2	.7	15.5
13	9.9	.0	4.8	---	---	---	---	---	---	25.1	8.8	15.8
14	16.5	-1.0	7.3	---	---	---	---	---	---	23.8	5.3	13.3
15	23.3	-2.1	12.5	---	---	---	---	---	---	24.6	1.4	12.7
16	27.8	.0	15.7	---	---	---	---	---	---	22.1	1.1	11.9
17	29.2	1.1	16.8	---	---	---	---	---	---	18.9	8.1	11.7
18	28.7	4.6	17.7	---	---	---	---	---	---	20.1	1.4	10.7
19	28.2	2.5	16.9	---	---	---	---	---	---	23.3	-.7	11.4
20	28.2	3.5	16.7	---	---	---	---	---	---	24.6	-.3	12.1
21	28.7	3.5	17.3	---	---	---	---	---	---	25.5	.0	12.4
22	28.7	4.2	17.7	---	---	---	---	---	---	24.2	1.4	12.5
23	29.7	---	---	---	---	---	---	---	---	26.0	-1.0	12.0
24	21.7	10.6	17.2	---	---	---	---	---	---	25.5	-.3	12.6
25	26.8	---	---	---	---	---	---	---	---	26.4	.0	12.7
26	22.1	---	---	---	---	---	---	---	---	25.5	.4	12.7
27	21.7	7.8	15.3	---	---	---	---	---	---	26.4	.4	13.4
28	29.7	4.9	18.6	---	---	---	28.6	---	---	26.0	.7	13.7
29	31.5	---	---	---	---	---	26.0	3.5	16.1	25.1	3.5	13.8
30	31.1	---	---	---	---	---	25.1	3.9	14.1	24.2	3.9	14.2
31	---	---	---	---	---	---	22.5	7.4	13.9	---	---	---
MONTH	31.5	---	---	---	---	---	---	---	---	28.2	-5.7	12.8

380916107452200 RIDGWAY METEOROLOGICAL STATION AT RIDGWAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	---	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	---	.0
3	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	---	.0
4	.1	.1	.0	.0	.0	.0	.0	.4	.0	.1	---	.0
5	.1	.0	.0	.0	.0	.0	.0	.4	.0	.0	---	.0
6	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	---	.0
7	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	---	.0
8	.1	.0	.1	.0	.4	.0	.0	.0	.0	.0	---	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	---	.0
10	.0	.1	.1	.0	.0	.2	.2	.0	.0	.1	---	.0
11	.0	.1	.0	.0	.0	.0	.1	.0	.0	.6	---	.0
12	.0	.2	.0	.1	.0	.0	.0	.0	.1	---	---	.0
13	.0	.0	.1	.2	.1	.0	.0	.1	.4	---	---	.3
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	---	---	.1
15	.0	.0	.1	.0	.0	.0	.0	.0	.0	---	---	.0
16	.0	.0	.0	.0	.0	.1	.0	.0	.0	---	---	.0
17	.0	.1	.0	.0	.0	.2	.0	.0	.0	---	---	.1
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	---	---	.0
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	---	---	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	---	---	.0
21	.1	.0	.0	.0	.1	.0	.2	.0	.0	---	---	.0
22	.0	.0	.0	.0	.0	.0	.6	.0	.0	---	---	.0
23	.2	.0	.0	.0	.0	.0	.0	.0	.0	---	---	.0
24	.1	.0	.0	.0	.0	.0	.0	.0	.2	---	---	.0
25	.0	.0	.1	.1	.0	.0	.0	.0	.0	---	---	.0
26	.0	.0	.0	.0	.0	.1	.0	.0	.0	---	---	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	---	---	.0
28	.6	.0	.0	.2	.0	.0	.0	.0	.0	---	---	.0
29	.0	.0	.0	.0	---	.0	.0	.1	.0	---	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.0	.0	---	.0	.0
31	.1	---	.0	.0	---	.0	---	.0	---	---	.0	---
TOTAL	1.4	0.6	0.5	0.6	0.6	0.7	1.2	2.0	0.7	---	---	0.5

CAL YR 2000 TOTAL 13.2

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 poor. Daily record for precipitation is poor.

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 recorded, 29.2°C, Aug. 26, 27, may have been higher during periods of missing record; minimum, -19.3°C, Nov. 13, 17, may have been lower during periods of missing record.
PRECIPITATION: Maximun daily, 0.6 inches, Oct. 28, may have been higher during periods of missing record.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.3	6.7	14.8	2.8	-3.8	-.4	---	---	---	---	---	---
2	23.8	7.4	15.1	3.2	-4.2	-1.1	---	---	---	---	---	---
3	21.7	8.1	15.0	8.5	-4.2	.2	---	---	---	---	---	---
4	16.1	5.3	11.1	10.6	-6.0	1.8	---	---	---	---	---	---
5	18.5	2.8	10.0	2.5	-6.8	-1.5	---	---	---	---	---	---
6	20.5	3.5	11.2	-.7	-8.3	-4.4	---	---	---	---	---	---
7	18.9	1.4	9.8	-3.8	-10.5	-6.6	---	---	---	---	---	---
8	16.9	2.5	8.1	5.3	-13.3	-4.2	---	---	---	---	---	---
9	17.7	2.5	7.8	6.7	-4.6	.3	---	---	---	---	---	---
10	16.5	1.4	8.7	4.9	-3.1	.9	---	---	---	---	---	---
11	16.1	8.5	12.1	.0	-9.0	-5.0	---	---	---	---	---	---
12	12.8	1.4	7.2	-.3	-14.9	-8.3	---	---	---	---	---	---
13	12.8	-.3	5.2	2.1	-19.3	-10.7	---	---	---	---	---	---
14	14.3	-4.6	4.2	7.1	-18.3	-6.8	---	---	---	---	---	---
15	15.8	-4.6	4.8	-.7	-12.1	-5.4	---	---	---	---	---	---
16	15.0	-3.1	5.2	-.7	-15.7	-8.8	---	---	---	---	---	---
17	18.1	-3.5	6.8	1.8	-19.3	-10.1	---	---	---	---	---	---
18	20.5	-.7	8.7	1.8	-15.7	-9.2	---	---	---	---	---	---
19	18.5	-.3	7.8	10.6	-15.7	-5.4	---	---	---	---	---	---
20	19.7	-1.4	8.3	8.5	-11.3	-3.4	---	---	---	---	---	---
21	18.5	1.8	8.1	9.2	-10.5	-2.4	---	---	---	---	---	---
22	12.4	.7	6.2	12.8	-5.7	.7	---	---	---	---	---	---
23	13.5	2.8	6.1	7.1	-8.6	-1.7	---	---	---	---	---	---
24	9.9	-.7	4.1	8.5	-11.3	-3.3	---	---	---	---	---	---
25	11.7	-1.0	3.7	2.5	-10.9	-3.8	---	---	---	---	---	---
26	16.1	-4.2	4.1	9.9	-10.5	-1.6	---	---	---	---	---	---
27	15.0	.4	7.3	8.8	-2.4	2.0	---	---	---	---	---	---
28	8.5	2.8	3.8	11.0	-5.7	1.3	---	---	---	---	---	---
29	11.0	-1.4	4.3	16.5	-6.0	2.8	---	---	---	---	---	---
30	11.0	-2.8	4.4	8.1	-6.8	2.3	---	---	---	---	---	---
31	3.9	-3.8	.6	---	---	---	---	---	---	---	---	---
MONTH	23.8	-4.6	7.6	16.5	-19.3	-3.1	---	---	---	---	---	---

381001107412300 DRY CREEK METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
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	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	24.6	8.1	15.2
2	---	---	---	---	---	---	---	---	---	26.4	6.4	16.1
3	---	---	---	---	---	---	---	---	---	26.4	7.1	15.9
4	---	---	---	---	---	---	---	---	---	26.0	8.8	16.7
5	---	---	---	---	---	---	---	---	---	26.4	8.5	17.1
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	26.4	6.4	16.6	---	---	---
25	---	---	---	---	---	---	27.8	7.8	18.0	---	---	---
26	---	---	---	---	---	---	29.2	8.1	18.6	---	---	---
27	---	---	---	---	---	---	29.2	8.8	19.5	---	---	---
28	---	---	---	---	---	---	28.2	10.6	18.8	---	---	---
29	---	---	---	---	---	---	26.4	8.1	17.6	---	---	---
30	---	---	---	---	---	---	23.8	7.1	15.1	---	---	---
31	---	---	---	---	---	---	21.7	8.8	15.1	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

381001107412300 DRY CREEK METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	---	---	---	---	---	---	---	---	---	.0
2	.0	.0	---	---	---	---	---	---	---	---	---	.0
3	.0	.0	---	---	---	---	---	---	---	---	---	.0
4	.2	.0	---	---	---	---	---	---	---	---	---	.0
5	.0	.0	---	---	---	---	---	---	---	---	---	.0
6	.0	.0	---	---	---	---	---	---	---	---	---	---
7	.0	.0	---	---	---	---	---	---	---	---	---	---
8	.1	.0	---	---	---	---	---	---	---	---	---	---
9	.0	.0	---	---	---	---	---	---	---	---	---	---
10	.0	.2	---	---	---	---	---	---	---	---	---	---
11	.0	.2	---	---	---	---	---	---	---	---	---	---
12	.0	.2	---	---	---	---	---	---	---	---	---	---
13	.0	.0	---	---	---	---	---	---	---	---	---	---
14	.0	.0	---	.0	---	---	---	---	---	---	---	---
15	.0	.0	---	.0	---	---	---	---	---	---	---	---
16	.0	.0	---	.0	---	---	---	---	---	---	---	---
17	.0	.0	---	.0	---	---	---	---	---	---	---	---
18	.0	.0	---	.0	---	---	---	---	---	---	---	---
19	.0	.0	---	.0	---	---	---	---	---	---	---	---
20	.0	.0	---	---	---	---	---	---	---	---	---	---
21	.0	.0	---	---	---	---	---	---	---	---	---	---
22	.1	.0	---	---	---	---	---	---	---	---	---	---
23	.2	.0	---	---	---	---	---	---	---	---	---	---
24	.1	.0	---	---	---	---	---	---	---	---	.0	---
25	.0	.0	---	---	---	---	---	---	---	---	.0	---
26	.0	.0	---	---	---	---	---	---	---	---	.0	---
27	.0	.0	---	---	---	---	---	---	---	---	.0	---
28	.6	.0	---	---	---	---	---	---	---	---	.0	---
29	.0	.0	---	---	---	---	---	---	---	---	.0	---
30	.0	.0	---	---	---	---	---	---	---	---	.0	---
31	.1	---	---	---	---	---	---	---	---	---	.0	---
TOTAL	1.4	0.6	---	---	---	---	---	---	---	---	---	---

381422107453000 RIDGWAY RESERVOIR METEOROLOGICAL STATION NEAR RIDGWAY, CO

LOCATION.--Lat 38°14'22", long 107°45'30", in NE$^{1}/_{4}$SE$^{1}/_{4}$ 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, July 29, 2001; 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 29; minimum, -20.2°C, Jan. 31.
PRECIPITATION: Maximum daily, 0.9 inches, May 3.

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	25.1	7.1	15.7	3.5	-2.1	1.2	4.6	-7.9	-2.8	7.4	-11.7	-3.9
2	25.5	6.7	15.8	4.6	-2.4	.4	8.1	-8.6	-1.8	2.5	-11.3	-5.8
3	23.3	7.4	15.9	7.1	-3.1	.9	8.1	-7.9	-1.4	6.0	-12.9	-4.7
4	17.7	7.8	12.6	9.5	-5.3	1.8	7.8	-9.0	-1.6	6.4	-7.9	-2.0
5	20.1	2.8	10.6	3.2	-5.7	-.2	11.3	-6.4	.8	8.1	-8.6	-1.5
6	21.7	4.2	11.7	.4	-7.5	-3.1	6.4	-7.5	-1.8	9.9	-8.6	-1.4
7	19.7	2.5	10.1	-2.4	-10.5	-6.2	7.1	-6.4	-.4	3.5	-9.8	-4.6
8	16.5	2.5	8.6	2.5	-12.5	-4.4	7.4	-2.4	1.6	6.0	-14.1	-5.2
9	16.5	3.2	9.1	5.7	-6.0	-.4	5.7	-2.4	1.3	6.4	-9.8	-4.3
10	18.1	1.1	9.0	6.0	-6.4	.6	7.4	-3.1	1.8	3.9	-8.3	-2.6
11	16.5	3.2	10.2	.0	-7.9	-3.7	-1.7	-8.6	-5.3	6.4	-11.7	-4.1
12	13.5	1.8	7.8	-3.8	-12.9	-7.9	1.8	-5.3	-2.9	8.1	-7.9	1.9
13	13.5	.7	6.0	-1.0	-17.0	-10.4	.7	-5.3	-3.0	-1.4	-10.1	-4.1
14	13.9	-2.8	5.1	5.7	-15.7	-6.5	2.8	-4.9	-1.3	.0	-15.7	-9.0
15	15.8	-3.1	5.3	.4	-10.1	-5.0	4.9	-8.3	-2.2	-.7	-17.4	-10.4
16	14.6	-2.1	5.7	-2.1	-12.9	-7.7	.0	-12.9	-6.5	.4	-16.2	-9.3
17	17.3	-2.4	6.6	-2.1	-16.2	-9.2	9.2	-12.5	-4.6	-3.5	-17.0	-11.0
18	19.7	-.7	8.6	.4	-17.0	-9.2	-2.1	-15.3	-9.8	-2.4	-19.3	-11.3
19	19.7	.7	8.4	4.6	-14.1	-5.9	.7	-16.2	-7.7	.4	-16.2	-7.7
20	18.9	-1.0	8.3	4.9	-10.9	-3.7	1.8	-9.0	-4.1	-.3	-13.7	-6.5
21	17.7	.4	8.3	6.7	-10.1	-2.2	5.3	-12.9	-5.0	2.8	-15.7	-7.8
22	12.8	1.1	6.8	9.9	-5.7	.3	9.5	-6.4	-.4	7.1	-13.7	-4.6
23	14.6	3.2	7.5	6.0	-6.0	-1.0	4.9	-7.5	-2.8	4.6	-9.0	-2.6
24	9.5	1.1	4.8	6.4	-9.8	-2.9	4.2	-7.9	-2.1	5.7	-11.7	-3.6
25	10.6	-.7	4.7	2.8	-9.4	-3.0	-2.1	-4.9	-3.6	3.2	-7.1	-1.0
26	14.3	-3.1	4.6	7.8	-9.4	-2.0	-2.1	-12.1	-6.6	3.5	-12.5	-4.7
27	15.0	-2.1	7.5	8.8	-2.1	2.2	4.6	-14.1	-6.1	-1.0	-7.5	-4.4
28	10.2	3.5	5.2	11.3	-3.8	1.6	5.3	-8.6	-2.6	1.4	-7.9	-3.8
29	10.6	-.3	5.1	13.9	-5.3	3.2	4.9	-12.1	-4.8	1.8	-13.7	-5.0
30	13.1	-2.1	4.8	7.1	-5.3	2.0	6.0	-9.0	-2.5	-4.2	-13.7	-8.9
31	4.9	-2.1	2.0	---	---	---	3.9	-8.6	-2.5	-2.8	-20.2	-11.4
MONTH	25.5	-3.1	8.1	13.9	-17.0	-2.7	11.3	-16.2	-2.9	9.9	-20.2	-5.3

381422107453000 RIDGWAY RESERVOIR METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

TEMPERATURE, AIR, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	-1.0	-17.0	-9.4	3.9	-7.1	-1.7	17.3	-.3	8.9	23.8	4.2	15.5
2	4.2	-14.1	-5.2	6.7	-8.6	-1.5	15.4	3.9	10.6	12.4	2.5	8.9
3	5.3	-9.0	-1.7	6.7	-4.6	-.6	17.3	.4	10.8	4.9	-.3	1.5
4	9.5	-7.5	-1.1	9.9	-6.8	1.1	17.7	2.8	10.5	8.5	-2.1	3.0
5	12.4	-6.8	1.5	11.3	-3.1	3.1	12.8	1.4	8.3	9.5	-.3	3.6
6	13.1	-4.2	4.3	13.5	-2.1	5.2	7.4	.4	3.4	16.1	.4	8.6
7	8.8	-.3	5.7	6.0	-1.0	2.3	9.9	-1.0	4.8	17.3	.0	8.9
8	-.3	-8.6	-3.1	12.8	-2.8	4.1	9.2	-1.0	5.1	21.3	1.4	11.5
9	1.1	-17.9	-8.1	12.4	-2.1	5.0	12.4	-6.0	3.9	23.8	5.7	15.3
10	8.1	-12.9	-3.5	9.5	-1.4	2.8	7.4	-2.1	1.6	23.8	8.5	16.0
11	2.8	-5.3	-.1	2.8	-3.1	-.3	4.2	-2.4	.2	22.1	4.9	13.8
12	9.2	-7.9	.5	3.5	-2.8	.3	6.4	-2.4	1.1	23.3	4.2	14.3
13	11.0	-5.3	1.6	8.1	-3.8	1.9	12.1	-5.3	3.2	22.1	6.7	14.9
14	2.8	-7.9	-1.4	7.1	-8.3	-1.2	13.1	-2.8	5.3	20.5	7.4	14.1
15	2.1	-10.1	-4.5	4.9	-8.6	-2.2	17.3	-1.4	7.6	22.9	7.4	15.5
16	6.0	-11.7	-3.6	5.3	-3.8	.3	18.9	-1.0	9.3	23.8	6.0	15.5
17	9.2	-8.6	-.6	.0	-6.4	-1.8	22.1	.4	11.7	21.3	6.4	12.8
18	6.0	-3.8	.3	6.0	-7.5	-.7	22.9	4.6	14.0	24.2	3.2	14.0
19	9.5	-2.1	3.3	11.3	-6.0	2.4	19.3	13.9	16.1	16.1	8.8	12.9
20	12.1	-2.1	4.7	17.3	-2.1	6.7	13.9	3.9	10.9	20.5	5.3	13.4
21	8.5	.0	3.2	16.9	2.8	9.6	11.3	.4	6.9	12.8	.4	6.9
22	8.8	-1.0	2.3	13.1	2.5	7.0	2.8	-.3	.8	19.7	-.3	10.3
23	6.4	-4.2	.3	11.3	.0	5.6	10.2	-.7	4.0	23.3	3.2	13.9
24	2.1	-4.6	-2.3	14.3	-1.7	6.7	16.9	-2.1	7.3	24.2	4.9	15.4
25	4.9	-4.9	-.3	16.1	-.3	8.3	20.1	.4	10.7	24.2	6.0	16.4
26	5.3	-6.0	-1.2	11.3	-.3	4.8	21.3	2.5	12.1	26.4	8.8	18.3
27	4.6	-4.2	.2	8.8	-2.1	3.7	22.1	4.2	13.6	26.0	9.9	18.8
28	2.8	-5.7	-1.3	6.0	-4.2	1.2	17.3	6.7	12.2	25.5	11.0	19.1
29	---	---	---	7.1	-1.0	2.3	20.1	4.9	13.2	20.5	6.7	14.7
30	---	---	---	10.2	-3.1	3.1	21.7	4.6	13.7	24.2	6.7	15.5
31	---	---	---	13.5	-3.5	5.2	---	---	---	23.3	4.6	14.7
MONTH	13.1	-17.9	-.7	17.3	-8.6	2.7	22.9	-6.0	8.1	26.4	-2.1	12.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.8	5.3	17.2	29.2	15.0	20.5	25.5	14.6	19.3	22.9	9.5	16.3
2	26.9	7.1	19.2	31.1	10.6	21.8	24.6	12.8	18.6	26.0	8.5	17.2
3	24.2	13.9	19.7	32.6	12.1	23.0	27.8	13.1	19.4	27.3	8.5	17.0
4	19.7	7.8	15.4	32.6	12.8	22.7	25.5	12.4	18.6	28.7	8.8	17.9
5	22.9	2.1	13.6	31.1	11.7	22.2	29.2	11.3	18.8	26.4	8.8	18.0
6	27.8	5.3	17.8	31.6	13.1	22.8	27.8	13.1	20.1	25.5	8.8	15.9
7	26.4	7.4	18.4	29.2	13.1	21.9	25.5	13.5	19.1	18.9	3.5	11.0
8	28.2	9.2	18.6	30.6	13.9	21.0	24.6	11.7	18.9	13.9	2.5	8.8
9	29.2	7.8	19.8	28.7	13.1	19.3	25.1	12.8	17.4	20.5	-1.0	9.4
10	29.7	9.9	20.6	26.4	11.0	17.6	23.8	13.1	17.5	25.1	1.8	13.8
11	28.7	9.2	19.6	25.5	12.4	17.8	27.3	9.5	18.4	26.9	7.1	16.9
12	25.5	6.4	17.4	25.1	11.7	19.1	27.3	10.6	19.4	27.8	7.4	17.9
13	11.0	1.4	5.5	27.3	12.4	17.6	23.8	13.5	17.9	24.2	10.2	16.3
14	15.8	.0	8.2	19.7	11.0	15.0	21.7	13.1	16.1	24.6	8.1	15.3
15	24.6	1.4	14.5	20.9	10.6	14.7	24.6	8.1	16.5	26.0	6.0	15.4
16	28.2	4.9	18.1	27.3	9.2	18.7	25.1	8.5	17.0	24.6	6.0	15.2
17	29.7	7.1	19.6	26.0	8.1	18.2	26.4	8.5	18.3	19.7	8.8	12.9
18	29.2	11.3	20.7	27.8	10.6	20.0	29.2	8.8	19.3	20.5	3.5	12.2
19	28.7	8.5	19.4	27.8	10.6	18.3	28.7	11.0	19.2	23.8	3.9	13.9
20	28.7	9.5	19.4	27.8	10.6	19.4	21.7	11.7	16.6	24.6	4.2	15.0
21	28.7	9.2	19.7	28.7	15.0	21.9	23.3	11.7	17.1	24.6	6.0	15.4
22	29.2	9.9	20.4	30.1	11.3	21.6	17.3	7.4	12.6	25.1	7.8	16.0
23	29.2	9.5	20.8	27.3	12.8	20.8	24.6	4.6	14.7	26.0	4.2	15.2
24	26.4	14.3	19.6	25.5	13.9	18.3	26.4	7.8	17.4	26.4	6.0	16.4
25	27.3	10.6	19.5	27.8	9.5	18.8	28.2	9.5	19.0	26.4	7.8	16.4
26	24.6	12.8	17.6	22.9	11.7	16.9	29.2	8.8	19.2	26.4	6.7	16.4
27	25.1	11.0	18.1	26.0	11.7	18.7	29.7	9.9	19.7	26.9	7.1	16.9
28	29.2	9.5	20.4	30.1	10.2	20.7	29.2	12.8	20.2	26.4	7.4	17.4
29	31.1	11.3	22.0	33.2	11.3	23.2	26.0	8.8	18.2	24.6	10.2	16.9
30	31.1	13.1	22.8	27.3	12.4	18.5	25.5	8.8	16.4	24.6	7.8	15.7
31	---	---	---	24.6	13.9	18.7	23.3	11.0	16.3	---	---	---
MONTH	31.1	.0	18.1	33.2	8.1	19.7	29.7	4.6	18.0	28.7	-1.0	15.3
YEAR	33.2	-20.2	7.6									

381422107453000 RIDGWAY RESERVOIR METEOROLOGICAL STATION NEAR RIDGWAY, CO--Continued

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.3	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
8	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
10	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.2	.0	.0	.0	.1	.2	.0	.0	.1	.0	.0
12	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
13	.0	.0	.1	.1	.0	.0	.0	.3	.4	.0	.3	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1
15	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0
16	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
21	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
22	.1	.0	.0	.0	.0	.0	.5	.0	.0	.0	.3	.0
23	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0
25	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.1	---	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	---	.0	.0	.0	.0	.2	.0	.0
31	.0	---	.0	.0	---	.0	---	.0	---	.0	.0	---
TOTAL	0.8	0.4	0.3	0.4	0.3	0.4	0.9	2.4	0.6	1.8	1.6	0.4

CAL YR 2000 TOTAL 10.3
WTR YR 2001 TOTAL 10.3

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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				
12...	1211	21	70	6.5	23...	1648	193	45	9.4
NOV					JUN				
07...	1308	15	74	.00	13...	0948	166	44	5.0
JAN					JUL				
11...	1520	12	73	.00	10...	0928	45	63	13.4
MAR					AUG				
15...	1509	7.3	75	.00	21...	1540	22	69	14.4
APR					SEP				
26...	1435	37	65	2.7	26...	1204	20	70	9.3

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				
12...	1030	18	61	6.5	10...	1246	53	59	13.5
APR					AUG				
26...	0933	23	67	3.8	21...	1435	28	65	11.5
MAY					SEP				
24...	0902	59	64	6.2	26...	1404	15	71	11.5
JUN									
14...	0821	61	65	6.1					

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				
12...	1617	7.9	90	7.5	23...	0932	20	88	3.4
NOV					JUN				
09...	1324	5.3	131	.00	13...	1650	18	96	4.4
JAN					JUL				
11...	0938	4.7	175	.00	09...	1103	47	67	9.2
MAR					AUG				
14...	1152	4.8	202	.00	20...	1313	17	95	10.2
APR					SEP				
24...	1352	7.8	237	6.7	24...	1339	3.9	129	10.3

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				
12...	1531	4.0	50	6.0	23...	1102	14	41	4.5
NOV					JUN				
08...	1646	4.9	50	.00	12...	1450	8.0	38	12.2
JAN					JUL				
10...	1327	9.9	54	.00	09...	1232	9.8	39	11.6
MAR					AUG				
13...	1045	6.8	56	.00	20...	1449	9.4	44	11.3
APR					SEP				
24...	1522	10	66	3.5	24...	1503	3.9	50	10.2

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

09025300 ELK CREEK AT UPPER STATION, NEAR FRASER, CO (LAT 39 53 21N LONG 105 49 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)	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				
11...	1528	.76	42	3.0	09...	1430	3.0	34	8.0
MAY					AUG				
01...	1440	.03	57	2.5	20...	1650	.98	36	8.5
23...	1230	.02	50	10.0	SEP				
JUN					27...	1500	.65	42	6.0
12...	1149	2.4	27	4.0					

09026500 ST. LOUIS CREEK NEAR FRASER, CO (LAT 39 54 36N LONG 105 52 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				
11...	1643	6.0	92	6.0	23...	1415	19	68	10.7
NOV					JUN				
09...	1100	6.5	86	.00	12...	1335	17	75	10.7
JAN					JUL				
10...	1608	5.8	92	.00	09...	1543	13	133	13.7
MAR					AUG				
14...	1534	5.3	93	-0.1	21...	0855	14	91	8.9
APR					SEP				
25...	1555	8.5	94	3.2	27...	1611	6.2	87	10.0

09032100 CABIN CREEK NEAR FRASER, CO (LAT 39 59 09N LONG 105 44 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					JUN				
11...	1302	3.0	43	3.0	12...	1345	12	28	1.5
NOV					JUL				
08...	1320	2.2	45	.00	17...	1346	11	34	9.0
MAR					AUG				
15...	1044	1.0	46	.00	22...	1006	4.8	41	7.0
APR					SEP				
30...	1056	7.9	27	.5	27...	1050	3.7	42	4.5
MAY									
22...	1340	8.7	28	4.5					

09034900 BOBTAIL CREEK NEAR JONES PASS, CO (LAT 39 45 37N LONG 105 54 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					MAY				
11...	1415	3.4	68	5.7	01...	1345	7.4	46	.00
NOV					JUL				
09...	1054	1.6	67	.00	09...	0950	26	41	7.0
JAN					AUG				
04...	1145	1.0	70	.1	13...	1344	5.6	62	12.1
FEB					SEP				
28...	1200	.83	73	.00	04...	1515	3.6	67	10.6
APR									
23...	1158	1.0	67	.1					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

09035500 WILLIAMS FORK BELOW STEELMAN CREEK, CO (LAT 39 46 44N LONG 105 55 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					APR				
11...	1047	.84	76	1.2	23...	1330	3.8	63	.00
NOV					JUL				
09...	1200	.76	73	.00	09...	1215	60	42	9.2
JAN					AUG				
04...	1155	.76	--	.00	13...	1104	1.3	71	10.1
FEB					SEP				
28...	1215	2.5	74	.2	04...	1640	.85	75	9.9

09035700 WILLIAMS FORK ABOVE DARLING CREEK, NEAR LEAL, CO (LAT 39 47 22N LONG 106 01 18W)

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				
25...	1215	8.1	66	4.5	03...	1335	29	55	4.5
NOV					22...	1040	58	47	4.0
20...	1515	7.4	68	.00	JUN				
JAN					06...	1100	100	42	6.0
23...	1545	1.9	72	.00	12...	1040	252	36	5.0
MAR					JUL				
13...	1410	2.4	71	1.0	11...	1155	110	47	9.5
APR					AUG				
17...	1350	10	65	3.5	14...	1200	18	66	12.0
					SEP				
					20...	1305	10	69	11.0

09035800 DARLING CREEK NEAR LEAL, CO (LAT 39 48 17N LONG 106 01 11W)

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				
25...	1110	2.9	78	2.0	09...	1015	6.3	70	1.5
NOV					JUN				
21...	1145	2.4	78	.5	06...	1145	38	49	4.5
JAN					JUL				
23...	1300	2.2	81	.00	11...	1315	12	64	9.5
MAR					AUG				
13...	1115	1.9	83	.5	14...	1045	5.9	75	9.0
APR					SEP				
17...	1230	2.3	82	2.0	20...	1120	3.7	79	5.0

09035900 SOUTH FORK OF WILLIAMS FORK NEAR LEAL, CO (LAT 39 47 44N LONG 106 01 49W)

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				
25...	1405	11	89	3.0	09...	1200	30	72	3.5
NOV					JUN				
21...	1020	12	92	.00	06...	1415	134	50	8.5
JAN					JUL				
23...	1015	9.4	93	.00	11...	1500	53	62	12.5
MAR					AUG				
13...	1650	7.9	93	.00	14...	1350	24	78	10.0
APR					SEP				
17...	1550	12	90	4.0	20...	1430	14	86	9.0

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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)	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				
25...	1630	26	83	4.5	07...	1140	401	53	10.6
NOV					JUL				
21...	1315	21	85	1.5	11...	1030	205	60	10.0
JAN					AUG				
23...	1710	16	86	1.3	15...	0945	71	78	10.0
MAR					SEP				
14...	1030	13	89	1.1	20...	1000	33	84	6.4
MAY									
09...	1345	85	73	9.0					

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)	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...	0915	42	108	2.5	08...	1845	133	84	12.0
NOV					JUN				
22...	1010	43	111	.00	07...	0900	367	76	13.0
JAN					JUL				
24...	1130	35	111	.00	12...	0940	66	82	14.5
MAR					AUG				
14...	1440	32	106	.00	15...	1130	46	106	15.0
APR					SEP				
26...	1240	95	99	8.5	21...	0935	18	124	9.5

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)	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				
26...	1245	133	109	10.5	12...	1130	133	110	8.0
NOV					AUG				
22...	1135	125	110	5.0	15...	1330	248	106	8.7
JAN					SEP				
24...	1335	64	131	3.3	21...	1150	85	106	9.5
MAY									
03...	1045	56	116	5.0					
22...	1300	14	114	6.4					

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)	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				
					15...	1227	67	160	6.2
NOV					JUN				
30...	1440	12	183	3.2	13...	1422	140	115	7.8
FEB					JUL				
08...	1208	2.9	203	2.1	18...	1153	33	104	11.8
MAR					SEP				
19...	1224	2.5	204	2.4	10...	1215	29	152	10.8
APR									
05...	1145	6.4	197	1.9					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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)	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...	1020	3.8	276	5.0	15...	1334	23	244	5.0
NOV					JUN				
30...	1255	2.3	300	2.0	13...	1550	37	146	4.0
FEB					JUL				
08...	1307	1.5	326	1.0	18...	1250	19	166	8.0
MAR					SEP				
19...	1401	2.1	340	3.5	10...	1259	6.2	222	9.0
APR									
05...	1401	2.6	368	3.0					

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)	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...	1335	35	170	11.0	10...	1315	112	181	8.5
DEC					JUN				
07...	1330	31	179	3.0	05...	1430	343	125	10.0
JAN					JUL				
22...	1510	23	185	2.5	10...	1345	239	126	14.0
MAR					AUG				
15...	1345	20	202	5.5	13...	1350	84	154	12.5
APR					SEP				
19...	1244	51	205	8.0	19...	1240	79	165	12.0

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)	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				
17...	1310	22	113	1.5	10...	0855	54	161	2.0
DEC					JUN				
07...	0930	20	--	.00	05...	0830	286	73	2.5
JAN					JUL				
22...	0900	17	141	.00	10...	0955	133	78	8.0
MAR					AUG				
15...	0820	11	126	.00	13...	1000	50	105	9.0
APR					SEP				
19...	1028	22	205	2.0	19...	1010	38	120	4.0

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)	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				
17...	1430	3.1	87	4.5	05...	1145	24	63	4.2
JAN					JUL				
22...	1345	2.5	89	.00	10...	1040	8.0	77	9.4
MAR					AUG				
15...	1150	1.9	91	.00	13...	1145	4.3	82	8.5
APR					SEP				
19...	1405	3.4	90	4.0	19...	1115	3.3	85	6.0
MAY									
10...	1110	7.7	85	3.1					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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)	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...	1518	31	720	7.0	14...	1450	330	308	7.8
NOV					JUN				
30...	1630	26	862	.6	08...	0930	400	258	5.1
FEB					JUL				
08...	1432	23	950	.1	17...	1630	135	545	12.9
MAR					SEP				
19...	1700	30	1310	2.6	10...	1510	52	638	11.2

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)	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...	1208	68	246	7.0	05...	1635	53	344	2.6
DEC					MAY				
01...	----	--	--	--	14...	1338	83	342	3.7
FEB					JUN				
08...	1537	78	315	1.9	14...	0957	231	275	4.2
MAR					JUL				
15...	----	--	--	--	17...	1407	546	227	12.9

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					MAY				
07...	1548	7.2	150	4.0	14...	1235	28	167	6.0
DEC					JUN				
01...	----	--	--	--	14...	1107	54	84	2.8
FEB					JUL				
09...	0855	4.3	203	.00	18...	1331	28	107	10.9
MAR					SEP				
20...	1016	3.3	372	.7	11...	1029	8.4	140	4.7
APR									
05...	1516	4.9	325	3.3					

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					APR				
13...	1125	571	195	12.0	26...	1145	204	240	4.5
NOV					MAY				
14...	1430	196	202	6.0	08...	1045	56	237	8.0
JAN					JUL				
23...	1110	193	214	3.0	27...	1130	540	207	9.0
FEB					SEP				
05...	1140	187	208	3.5	21...	1315	713	202	13.0
MAR									
27...	1315	134	226	3.5					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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					MAY				
12...	1145	5.8	48	6.9	22...	1745	67	36	7.0
NOV					JUN				
14...	1330	4.0	56	.6	05...	1655	78	29	9.1
FEB					AUG				
22...	1240	2.2	68	.5	29...	1335	6.9	46	16.0
APR									
26...	1105	16	62	1.4					

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					APR				
12...	0835	1.1	390	5.9	26...	1550	2.8	335	2.5
NOV					MAY				
14...	1105	1.2	394	.6	23...	1435	12	248	11.1
JAN					JUN				
04...	0945	.98	409	.2	06...	1100	8.0	276	8.4
FEB									
22...	0945	2.9	408	.00					

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)	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				
12...	1315	.36	227	7.5	06...	1230	2.8	158	13.1
JAN					JUL				
04...	1035	.18	240	.2	25...	1130	.36	205	16.8
FEB					AUG				
22...	0920	.15	236	.2	29...	1525	.12	228	15.8
MAY									
23...	1650	8.5	113	12.5					

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)	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				
11...	1535	.96	67	4.7	22...	1530	16	44	3.1
NOV					JUN				
14...	1330	1.0	--	.00	05...	1510	19	37	7.0
APR					AUG				
27...	0910	2.8	64	.1	29...	1040	.98	64	7.5

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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)	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					JUL				
23...	1150	3.8	85	2.6	25...	1335	.06	147	10.7
JUN					AUG				
06...	0930	2.2	99	3.0	30...	1145	.01	169	7.8

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)	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				
10...	1645	17	338	8.5	01...	1425	206	178	8.0
JAN					JUN				
02...	1325	18	389	.2	01...	1152	341	115	7.8
FEB					AUG				
20...	1115	21	435	.1	24...	1110	30	237	13.2
APR									
12...	1135	21	353	3.0					

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)	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				
11...	1140	2.4	298	3.1	09...	0950	4.8	291	1.6
JAN					31...	0930	38	214	2.8
03...	1345	1.6	308	.00	AUG				
FEB					27...	1430	2.6	294	8.3
21...	1350	1.4	302	.4					
APR									
11...	1250	1.2	300	.00					

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)	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				
11...	1345	8.1	294	4.5	11...	1525	4.5	289	.2
NOV					MAY				
15...	1410	5.2	292	.00	09...	1135	24	248	4.0
JAN					31...	1115	109	189	4.2
03...	1400	3.7	298	.00	AUG				
FEB					27...	1645	5.5	288	11.0
21...	1445	2.8	304	.2					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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)	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...	1220	3.4	34	3.6	25...	1630	3.2	33	.00
NOV					MAY				
16...	1150	2.0	36	.00	24...	0950	14	27	1.4
JAN					AUG				
03...	0930	.76	42	.00	28...	1545	2.5	34	14.1

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)	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				
12...	1405	11	35	6.5	08...	1315	30	34	6.5
JAN					31...	1605	44	28	9.5
03...	1130	5.0	38	.00	AUG				
FEB					28...	1315	10	35	14.5
21...	0950	3.6	40	.00					
APR									
12...	1100	7.1	40	.00					

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)	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...	1615	15	39	8.5	12...	1240	14	40	1.5
NOV					MAY				
16...	1225	11	42	.00	08...	1445	74	36	10.5
JAN					31...	1745	94	30	13.0
03...	1125	7.0	42	.5	AUG				
FEB					28...	1220	11	44	14.0
21...	1105	6.5	43	.00					

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)	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				
11...	1600	42	169	8.5	12...	1405	42	178	3.5
NOV					MAY				
16...	0925	39	194	.00	09...	1445	230	122	8.0
JAN					30...	1435	460	116	9.5
02...	1310	28	203	.5	JUL				
FEB					25...	0810	78	140	10.0
20...	1555	35	193	.00	AUG				
28...	1310	31	200	.00	23...	1245	59	152	13.5

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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)	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				
12...	1005	16	55	5.4	10...	0915	96	31	2.6
JAN					30...	1235	214	27	6.2
02...	1415	4.3	61	.5	JUL				
FEB					24...	1530	30	36	15.2
22...	1505	3.2	57	.5	AUG				
APR					23...	1010	29	45	10.8
12...	1700	11	52	3.6					

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)	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				
25...	1300	4.6	72	3.0	05...	1005	98	36	2.6
DEC					JUL				
06...	1300	3.1	78	.00	25...	1422	16	56	11.7
FEB					AUG				
05...	1552	2.2	73	.2	14...	1150	14	63	10.9
MAR					16...	1509	15	60	10.3
21...	1350	3.2	82	1.2	SEP				
APR					18...	1200	10	70	6.9
17...	1625	10	68	4.0					
MAY									
08...	1532	27	48	7.0					

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)	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				
25...	1025	2.4	236	1.5	07...	1330	13	315	4.5
NOV					JUN				
30...	1135	2.6	--	.00	04...	1345	80	105	6.5
FEB					JUL				
05...	1150	3.9	389	.00	24...	1140	7.1	201	11.0
MAR					AUG				
20...	1130	2.6	541	1.0	15...	1210	6.4	217	11.0
APR					SEP				
16...	1217	3.5	632	3.5	18...	1323	4.1	245	6.5

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)	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				
25...	1145	1.5	74	2.8	08...	1650	11	50	5.6
DEC					JUN				
06...	1420	1.3	75	.00	05...	2007	43	36	4.5
FEB					JUL				
05...	1445	.82	78	.1	25...	1244	4.6	52	9.9
MAR					AUG				
20...	1345	.82	79	.7	15...	1553	5.1	58	10.9
APR					SEP				
16...	1453	2.0	75	3.1	17...	1555	4.6	68	7.3

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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)	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...	1000	1.9	88	1.3	07...	1505	9.7	81	5.1
DEC					JUN				
06...	1030	2.6	88	.4	04...	1528	37	43	4.6
FEB					JUL				
05...	1322	1.0	90	.8	24...	1723	6.7	67	9.7
MAR					AUG				
20...	1510	1.1	96	1.6	15...	1335	8.4	63	8.8
APR					SEP				
16...	1622	2.3	115	3.3	18...	0955	6.3	69	5.7

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)	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...	0838	1.2	119	2.1	07...	1638	12	119	6.3
DEC					JUN				
01...	1250	1.1	114	.6	04...	1927	46	48	4.0
FEB					JUL				
06...	1410	.76	129	1.5	24...	1840	3.7	92	11.0
MAR					AUG				
20...	1650	1.0	134	2.7	15...	1450	5.5	82	11.5
APR					SEP				
17...	1445	4.4	140	6.6	18...	1052	4.7	84	6.5

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)	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				
25...	1520	.77	226	3.5	07...	1740	3.7	242	4.3
DEC					JUN				
01...	1210	.60	226	.5	04...	1812	30	113	4.6
FEB					JUL				
06...	1324	.24	229	.9	24...	1600	1.9	203	11.0
MAR					AUG				
21...	0952	.18	241	2.1	16...	1410	2.2	178	9.7
APR					SEP				
17...	1022	.83	242	1.7	17...	1500	2.3	190	7.6

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)	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...	----	--	--	--	08...	1305	121	209	7.9
DEC					JUN				
01...	1015	18	400	1.3	05...	1230	458	110	6.0
FEB					JUL				
02...	----	--	--	--	25...	1100	59	229	11.5
06...	1130	16	417	2.7	AUG				
MAR					16...	1228	55	209	12.4
21...	1135	17	428	5.8	SEP				
APR					17...	1340	40	253	11.3
17...	1205	37	347	6.2					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--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)	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				
12...	1420	1.3	98	6.0	24...	1250	47	52	4.5
JAN					JUN				
04...	1230	2.2	83	.5	05...	1830	50	52	7.3
FEB					JUL				
22...	1155	.84	93	.5	25...	1000	2.4	95	7.2
APR					AUG				
27...	1120	7.5	70	1.3	29...	1625	1.8	99	9.4

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)	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...	0845	3.8	252	3.8	09...	0955	18	226	4.1
NOV					24...	1440	36	125	9.0
13...	1700	4.8	80	.00	JUN				
JAN					01...	0800	55	78	4.2
02...	1545	3.6	333	.3	JUL				
FEB					24...	1355	10	163	15.3
20...	1420	2.2	345	1.2	AUG				
APR					23...	1435	6.4	237	14.2
11...	1645	5.9	494	4.0					

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)	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...	1050	25	430	7.0	09...	1055	55	213	6.8
NOV					30...	0915	224	173	5.1
13...	1530	27	369	.00	JUN				
JAN					01...	0845	232	182	5.0
02...	1540	15	450	.7	JUL				
FEB					24...	1245	50	267	14.2
20...	1340	13	462	2.5	AUG				
APR					13...	1625	50	256	13.4
12...	1515	13	450	6.1					

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					MAY				
13...	0835	1390	428	9.0	10...	0855	2100	326	10.4
NOV					JUN				
27...	0905	876	540	.6	05...	1045	3180	279	9.2
FEB					AUG				
20...	1135	707	572	1.4	22...	1810	1730	430	17.4
APR									
13...	1115	982	533	6.7					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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					MAY				
03...	0950	46	87	6.8	10...	1120	107	57	5.2
NOV					JUN				
02...	0945	30	83	1.2	07...	0820	281	33	5.3
JAN					JUL				
04...	0915	22	92	.00	10...	1100	67	60	12.4
FEB					AUG				
21...	1435	24	92	1.5	22...	1220	49	69	12.2
APR									
02...	1525	31	95	6.2					

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					JUN				
03...	1225	8.7	62	9.0	06...	0905	72	28	4.6
NOV					JUL				
02...	1235	8.7	65	1.2	10...	0835	33	41	10.8
MAR					AUG				
27...	1125	4.6	73	2.0	21...	0930	34	46	10.3
MAY									
10...	0930	75	32	2.1					

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)
OCT					MAY				
05...	0915	108	193	8.0	09...	1525	129	243	4.6
NOV					JUN				
02...	1455	74	206	8.6	07...	2200	253	221	5.0
JAN					JUL				
05...	0910	73	218	3.4	09...	1545	103	226	6.7
MAR					AUG				
08...	1505	68	265	4.5	23...	0925	240	224	6.5
APR									
03...	0840	74	273	3.5					

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					JUN				
17...	0930	.92	485	1.1	04...	1325	81	147	10.9
MAR					JUL				
29...	1230	6.3	381	4.4	09...	1200	2.9	276	20.7
MAY					AUG				
07...	1235	75	236	7.7	20...	1120	.75	350	16.6

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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					MAY				
02...	1305	641	1030	17.8	01...	1255	2540	583	14.8
NOV					30...	0845	7030	361	12.8
08...	1325	1770	1030	3.9	JUL				
DEC					06...	0830	1120	786	22.5
19...	1130	1200	1260	.5	23...	1325	496	912	23.6
FEB					AUG				
13...	1200	1340	1290	3.9	13...	1045	895	872	22.4
APR					SEP				
03...	1035	804	1130	12.8	10...	1235	1250	823	15.8
					24...	1250	901	928	18.3

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					MAY				
11...	1140	51	119	5.9	08...	0903	103	96	2.8
DEC					31...	1235	365	71	7.7
04...	1430	39	122	.4	JUL				
JAN					17...	1630	86	121	14.2
23...	1110	24	117	.1	AUG				
MAR					28...	1045	63	123	11.1
20...	1245	32	117	3.5					

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					MAY				
11...	1415	129	102	11.0	08...	1011	95	117	4.2
DEC					JUN				
04...	1555	69	107	3.5	04...	1010	339	102	5.7
JAN					AUG				
23...	1305	81	112	3.6	28...	1330	231	96	10.8
MAR									
20...	1401	71	114	5.0					

09110000 TAYLOR RIVER AT ALMONT, CO (LAT 38 39 52N LONG 106 50 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)	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				
11...	1800	190	192	9.9	07...	1720	222	145	11.1
DEC					JUN				
05...	1040	108	157	.1	04...	1226	621	123	8.8
JAN					JUL				
23...	1625	125	156	.00	17...	1625	382	131	12.2
MAR					AUG				
14...	1230	106	163	2.9	27...	1740	290	126	14.5

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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				
20...	1002	22	175	1.4	12...	1000	25	153	.2
DEC					MAY				
05...	1400	18	160	.00	31...	1820	164	109	16.5
JAN					SEP				
25...	1100	19	140	.00	18...	1105	28	182	11.4
MAR									
15...	1230	24	161	.00					

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				
19...	1637	26	212	7.4	07...	1524	92	156	12.4
DEC					31...	1720	134	108	16.8
05...	1610	19	242	.1	JUL				
JAN					16...	1612	38	260	19.8
25...	1330	12	242	.00	SEP				
MAR					18...	0910	45	194	8.4
14...	1305	20	228	.3					

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					APR				
10...	1730	96	183	10.6	12...	1446	67	191	5.0
DEC					MAY				
06...	1010	40	183	.00	31...	1120	1060	103	7.7
JAN					JUL				
23...	1630	48	189	.00	16...	1128	323	132	15.3
MAR					SEP				
15...	1430	39	190	.6	17...	1300	89	179	12.7

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)	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...	1320	36	160	9.8	07...	1200	34	102	7.6
DEC					JUN				
04...	1550	20	161	3.4	01...	0940	431	85	8.2
JAN					JUL				
25...	1500	23	161	.7	16...	1420	129	88	12.1
MAR					AUG				
16...	1010	24	157	.00	27...	1500	115	132	16.1

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

09128000 GUNNISON RIVER BELOW GUNNISON TUNNEL, CO (LAT 38 31 45N LONG 107 38 54W)

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					APR				
06...	1230	658	206	4.8	11...	1330	363	225	5.1
JAN					JUN				
23...	1150	595	201	1.9	20...	1440	629	194	12.2
MAR					AUG				
16...	1215	796	213	2.9	02...	1220	566	202	10.8

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)	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	83	133	8.4	31...	1000	1200	77	7.8
DEC					JUL				
06...	1125	55	185	.00	10...	1220	235	119	17.2
MAR					AUG				
12...	1240	63	162	1.4	21...	1025	263	131	13.7
APR									
25...	1225	660	179	8.0					

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)	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...	1135	4.0	362	11.4	01...	1030	46	259	10.0
DEC					JUL				
06...	1425	5.8	494	.5	10...	1120	16	218	16.0
FEB					AUG				
22...	1235	2.8	654	1.5	21...	1350	8.7	278	19.0
APR									
25...	1100	8.6	438	8.0					

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)	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				
05...	1400	22	313	12.3	26...	1110	404	168	7.4
DEC					JUL				
07...	1040	60	745	2.1	12...	1135	22	730	21.9
FEB					AUG				
23...	1015	64	365	1.9	21...	1520	57	435	21.8

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--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)	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					AUG				
04...	1530	76	1430	16.0	22...	0915	225	1300	16.0
JUN					SEP				
27...	1105	214	753	18.0	06...	1050	71	1660	17.0

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)	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				
04...	1150	10	87	12.0	18...	1130	26	73	13.5
MAR					AUG				
30...	1150	3.8	148	.8	22...	1245	53	72	13.5
JUN									
05...	1045	71	71	6.5					

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)	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				
04...	1230	7.4	91	12.0	18...	1305	7.0	84	19.0
MAR					AUG				
29...	1540	5.1	164	7.0	22...	1115	16	79	14.0
JUN									
05...	1245	48	79	9.5					

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)	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				
04...	1250	864	840	14.5	26...	0830	819	643	17.1
NOV					JUL				
15...	1145	968	795	4.7	24...	1053	727	734	16.7
JAN					24...	1340	728	711	17.7
03...	1020	884	650	.2	AUG				
FEB					13...	1100	795	789	18.1
22...	0950	833	689	4.2	13...	1110	795	807	18.3
APR					21...	1045	891	804	17.3
09...	1205	949	518	7.6	SEP				
19...	1135	1270	445	11.4	10...	1345	867	788	15.3
MAY									
16...	1000	3470	346	11.4					
31...	0820	2000	456	13.4					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

09147000 DALLAS CREEK NEAR RIDGWAY, CO (LAT 38 10 40N LONG 107 45 28W)

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				
03...	1325	28	563	13.8	30...	1140	16	802	14.6
NOV					JUN				
14...	1330	25	795	.00	05...	1145	34	622	12.2
JAN					19...	1315	7.8	925	19.6
04...	0945	11	697	.00	JUL				
FEB					11...	0905	78	653	13.5
21...	1105	16	653	3.0	AUG				
APR					22...	1415	47	506	13.5
04...	1335	30	529	9.6					

09147025 UNCOMPAHGRE RIVER BELOW RIDGWAY RESERVOIR, CO (LAT 38 14 17N LONG 107 45 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					FEB				
03...	1640	72	421	12.6	21...	1530	49	692	3.8
NOV					MAY				
14...	1630	53	574	8.8	30...	1330	304	641	6.5
JAN					AUG				
04...	1220	54	630	5.0	23...	0920	218	436	10.7

09147500 UNCOMPAHGRE RIVER AT COLONA, CO (LAT 38 19 53N LONG 107 46 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					APR				
04...	0855	59	577	10.9	04...	1500	84	568	11.7
NOV					MAY				
15...	0840	66	680	3.4	30...	1500	443	468	12.5
JAN					JUL				
03...	1510	60	694	4.3	11...	1050	278	562	12.2
FEB					AUG				
21...	0900	59	732	2.3	21...	1510	212	473	15.5

09152520 CALLOW CREEK AT WHITEWATER, CO (LAT 38 59 21N LONG 108 26 53W)

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				
24...	0940	.55	1500	8.9	16...	1245	.22	1340	20.3
31...	1115	1.7	2410	7.3					
FEB					AUG				
14...	1020	.01	5250	.7	10...	1100	.13	1080	21.3
MAR					29...	0930	.04	1500	17.1
21...	0910	.16	2710	6.5	SEP				
MAY					25...	0910	.04	1790	12.2
02...	1015	.07	1040	12.5					
16...	0830	.03	927	13.3					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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					APR				
03...	1300	26	448	9.7	27...	1200	248	220	5.5
NOV					JUN				
20...	1345	56	484	.00	05...	1245	426	150	7.0
DEC					JUL				
14...	1345	22	504	.00	02...	1115	107	243	10.7
FEB					AUG				
16...	1415	24	583	.00	29...	1200	47	348	11.3
MAR									
15...	1300	30	550	.00					

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				
03...	1500	55	410	16.5	02...	0900	2130	147	3.8
NOV					JUN				
20...	1200	43	488	.2	11...	1230	812	169	12.2
JAN					JUL				
19...	1215	38	497	.00	26...	1100	92	352	17.6
MAR					SEP				
23...	1015	148	415	4.4	11...	1115	103	345	16.5

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)
JAN					JUN				
19...	1100	.49	280	.00	05...	1400	.26	298	23.0
MAR					JUL				
23...	1130	6.0	162	3.2	26...	1330	.05	1280	22.4
MAY									
02...	0645	214	48	4.3					

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)
NOV					MAR				
03...	0830	49	440	5.3	14...	1200	41	660	9.5
DEC					APR				
13...	1210	36	387	2.8	25...	1315	143	628	15.0
FEB					JUN				
15...	1315	33	413	4.7	04...	1115	58	650	17.2

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)
NOV					APR				
01...	1230	88	412	3.2	27...	0930	271	338	5.3
DEC					JUN				
14...	1200	70	430	.2	05...	1045	586	230	6.4
FEB					JUL				
16...	1215	63	428	.00	02...	1325	382	244	13.6
MAR					AUG				
15...	1110	43	440	1.7	29...	1500	155	351	14.9

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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)
NOV					APR				
01...	1330	118	442	5.9	25...	1445	427	295	12.7
DEC					JUN				
14...	1000	87	473	.00	05...	0730	521	248	9.2
FEB					JUL				
16...	1000	45	490	.00	02...	1630	283	266	20.0
MAR					AUG				
15...	0900	15	500	1.2	29...	1845	176	380	22.3

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)
NOV					APR				
01...	1500	129	926	8.1	25...	1600	598	360	14.3
DEC					JUN				
14...	0845	100	782	.2	04...	1830	642	306	16.7
FEB					JUL				
16...	0830	97	942	.00	02...	1730	324	423	22.5
MAR					AUG				
15...	0745	67	1320	1.1	30...	1230	96	1000	20.6

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)	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				
07...	1100	28	500	.00	30...	1005	71	487	11.4
FEB					JUN				
22...	1045	46	419	.00	26...	1045	79	516	16.2
MAR					JUL				
20...	0935	41	442	.00	24...	1535	106	476	17.9
28...	1235	75	710	5.0	AUG				
APR					29...	1105	40	481	14.4
19...	1420	99	482	12.1					

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)	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				
07...	1210	56	428	7.3	30...	0900	89	445	7.6
DEC					JUN				
12...	1130	22	432	3.0	26...	1300	72	448	8.7
MAR					JUL				
20...	1035	76	441	3.6	24...	1505	93	453	10.0
APR					AUG				
19...	1325	77	429	5.0	29...	1205	82	458	13.8

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
FEB					JUN				
22...	1335	2.4	37	.5	25...	1940	63	19	15.0
MAR					JUL				
28...	1125	13	57	.8	24...	1225	6.3	75	14.1
MAY					AUG				
29...	1900	490	14	4.9	29...	1330	1.5	26	14.7

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)	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				
02...	1220	64	76	7.9	23...	1250	90	64	14.8
MAR					AUG				
28...	0950	42	140	.5	27...	1340	46	87	15.1
JUN									
25...	1420	399	37	13.5					

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)	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				
02...	1325	70	77	8.9	25...	1605	430	39	14.1
MAR					JUL				
28...	0835	55	128	.2	23...	1155	91	67	14.5
MAY					AUG				
29...	1450	1220	42	8.7	27...	1445	52	86	16.6

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)	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				
06...	1245	88	131	1.3	29...	1640	1940	59	10.4
MAR					JUL				
27...	1650	395	380	4.4	23...	1030	111	110	18.4
APR					AUG				
18...	1140	674	172	5.5	27...	1600	67	127	22.7

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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)	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				
02...	0924	.15	941	7.3	30...	1305	3.4	639	19.2
NOV					JUN				
08...	1115	.46	1040	.2	26...	0830	.99	702	14.8
JAN					JUL				
17...	1125	.17	905	.00	25...	1230	.61	632	23.3
APR					AUG				
04...	1135	6.7	770	7.4	29...	0925	.01	924	13.8
30...	1155	14	502	10.2					

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)	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				
02...	1014	.01	3380	7.3	30...	1155	1.4	2930	17.9
JAN					JUN				
17...	1240	.01	2950	.00	26...	0935	.46	3310	16.2
MAR					JUL				
22...	1125	.15	2400	.00	25...	1335	.16	3390	23.6
APR									
04...	1410	5.3	1720	5.2					
30...	1105	1.6	2480	12.0					

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)	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				
02...	0855	.24	2190	6.9	04...	1310	12	1710	7.5
NOV					30...	1310	2.6	2270	13.1
08...	1025	.34	2780	.1	MAY				
JAN					30...	1400	1.8	2640	17.9
17...	1025	.24	2240	.00	JUN				
MAR					26...	0755	.51	2330	16.0
22...	1005	2.1	2320	3.8	JUL				
27...	1515	12	1780	7.2	25...	1203	.01	2050	21.0

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)	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				
03...	1409	42	602	16.0	17...	1010	1390	186	8.0
DEC					JUN				
04...	1330	38	665	.5	21...	1305	126	365	21.0
JAN					JUL				
05...	1220	44	611	.1	16...	1010	55	471	18.6
MAR					SEP				
20...	1425	74	590	.5	06...	0910	28	478	15.5
APR					27...	1055	26	473	12.4
12...	1215	121	603	6.3					

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

09253000 LITTLE SNAKE RIVER NEAR SLATER, CO (LAT 40 59 58N LONG 107 08 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)
APR					AUG				
03...	1325	98	216	8.3	27...	1135	15	181	17.8
JUN					SEP				
25...	1205	117	101	16.8	05...	1225	14	187	18.3
JUL									
17...	1110	53	124	17.6					

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)	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					MAY				
04...	1115	19	246	.3	09...	1255	344	101	6.5
FEB					21...	1310	294	86	6.6
13...	1040	24	232	.00	JUN				
28...	1050	16	226	.00	25...	1035	17	234	19.5
APR					JUL				
03...	1440	51	291	8.3	17...	0945	13	249	17.8
					AUG				
					27...	1010	4.6	281	18.2

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)
NOV					APR				
09...	1634	368	556	3.3	10...	1029	404	515	5.5
DEC					MAY				
21...	1230	280	550	.00	27...	1404	2040	230	13.4
JAN					JUN				
17...	1045	217	537	.00	21...	1038	452	479	14.7
FEB					SEP				
27...	1145	341	476	4.4	25...	1050	246	583	11.4

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...	1200	24	155	9.2	29...	1230	493	80	7.4
NOV					JUL				
21...	0930	7.5	172	.00	11...	1040	67	117	12.1
MAR					SEP				
02...	1130	14	165	.2	06...	0900	28	157	7.3

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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...	1330	69	170	13.2	15...	1015	2590	68	4.7
NOV					JUN				
21...	1100	68	171	.1	07...	1130	1580	54	7.9
JAN					JUL				
18...	1045	49	177	.2	11...	1300	206	109	17.6
MAR					SEP				
02...	1315	61	200	.7	06...	1030	79	143	13.5
APR									
13...	0945	187	168	1.6					

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					MAY				
31...	1030	242	250	6.7	02...	1030	2520	110	6.7
FEB					JUN				
21...	1515	195	428	3.9	07...	0945	1840	75	12.3
MAR					JUL				
27...	1230	1060	380	6.2	23...	1100	215	224	20.5

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					MAY				
31...	1230	172	285	7.0	02...	1300	1940	130	7.7
DEC					JUN				
20...	1545	91	475	.4	06...	1530	1170	102	13.3
FEB					JUL				
21...	1630	77	484	7.7	23...	1300	102	312	22.8
MAR									
27...	1400	611	280	7.3					

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)
OCT					APR				
31...	1430	36	163	9.0	19...	1015	784	132	6.4
DEC					MAY				
21...	1045	20	194	.00	24...	1130	58	115	13.2
FEB					JUN				
22...	1100	26	175	3.8	12...	1500	1040	80	14.1
MAR					AUG				
26...	1300	395	146	7.5	09...	1115	48	129	17.3

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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)
OCT					MAY				
20...	1230	56	313	11.0	22...	1415	185	180	16.8
DEC					JUL				
20...	1700	74	317	.00	10...	1045	164	220	20.3
FEB					SEP				
22...	0930	78	333	1.4	17...	1400	216	209	18.0
APR									
06...	1115	598	177	4.7					

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)	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...	1100	5.1	860	6.3	22...	1115	39	325	13.2
DEC					JUL				
21...	0930	2.4	686	.00	10...	0940	66	245	18.0
FEB					SEP				
22...	0815	25	400	.00	17...	1300	68	282	16.5
APR									
12...	1615	5.9	782	13.5					

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)	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				
08...	1330	49	318	.5	30...	1430	491	126	10.0
DEC					JUL				
05...	1200	33	363	.00	19...	1130	112	215	11.1
MAR					SEP				
12...	1430	18	394	2.9	07...	1415	46	317	12.3
APR									
30...	1530	186	215	10.0					

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)	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				
08...	1200	22	1000	.00	30...	1500	64	454	9.3
DEC					MAY				
05...	1000	21	1160	.6	30...	1315	145	272	9.8
JAN					JUL				
08...	1230	15	1010	.00	19...	1300	26	753	12.6
MAR					SEP				
12...	1200	12	1270	4.7	07...	1300	19	925	10.5

MISCELLANEOUS STATION ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

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)	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				
07...	1400	44	506	.00	30...	1330	162	234	6.5
DEC					MAY				
01...	1400	37	540	.00	30...	1130	411	150	6.0
JAN					JUL				
08...	1030	20	605	.00	19...	1015	102	240	8.0
MAR					SEP				
12...	1100	17	626	2.5	07...	1145	44	415	8.4

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)
OCT					MAY				
11...	1315	299	579	11.0	16...	1030	5150	150	6.2
DEC					JUN				
12...	1420	238	540	3.2	27...	0945	1590	242	11.8
FEB					AUG				
09...	1100	236	530	1.0	28...	0915	418	490	16.6
APR									
04...	1110	694	385	6.8					

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					MAY				
30...	1445	.83	723	9.9	04...	1300	.94	710	13.2
DEC					JUN				
21...	1145	.57	780	2.4	08...	1500	1.6	518	20.6
JAN					JUL				
19...	1330	.41	780	2.2	27...	1420	1.3	566	20.0
MAR									
08...	1315	2.5	568	6.7					
30...	1100	.86	680	8.5					

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)
OCT					MAY				
26...	1400	16	1490	10.8	02...	1145	142	390	14.1
JAN					JUN				
19...	1400	2.1	2150	.00	08...	1130	1.2	1040	23.3
MAR					AUG				
23...	1430	36	1420	16.6	06...	1225	11	700	23.8

THREE LAKES WATER-QUALITY STUDY

In November of 2000, a water-quality data collection program was initiated in the Upper Colorado River basin including Grand Lake, Shadow Mountain Lake, Lake Granby, and the tributary streams to these lakes that make up a large portion of the Colorado/Big Thompson Water Diversion project. This is a two-year cooperative effort between the USGS and Northern Colorado Water Conservancy District, Colorado River Water Conservation District, Grand County, and the Colorado Department of Public Health and Environment, and may help to determine the trophic status of these upper basin lakes.

09013500 EAST INLET NEAR GRAND LAKE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°14'20", long 105°48'00", in $NW^1/_4$ sec.9, T.3 N., R.75 W., Grand County, Hydrologic Unit 14010001, approximately 0.15 mi upstream from high-water line of Grand lake and 1 mile southeast of town of Grand Lake.

DRAINAGE AREA.--27.2 mi^2.

PERIOD OF RECORD.--November 2000 to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV											
13...	1300	5.8	19	0	8.3	--	<.007	.139	<.08	<.004	--
JAN											
23...	1225	2.8	23	0	10.9	.181	<.007	.191	<.08	.005	<.007
MAR											
06...	1045	2.8	23	0	10.6	--	<.007	.178	<.08	.004	<.007
APR											
05...	0830	3.3	26	0	10.8	--	<.007	.184	.16	.007	--
17...	1120	7.4	23	1.0	10.7	.129	<.007	.140	.09	.006	<.007
30...	0945	59	18	1.0	10.5	--	<.007	.082	.27	.011	<.007
MAY											
15...	1540	178	14	4.0	10.1	--	<.007	.088	.16	.010	<.007
22...	1510	107	14	5.0	9.7	--	<.007	.063	.12	E.003	<.007
30...	1120	204	13	4.5	10.0	--	<.007	.069	.18	.006	<.007
JUN											
05...	0840	152	13	3.0	10.1	--	<.007	.067	.10	.008	<.007
05...	0900	152	13	3.0	10.1	.059	<.007	.072	.11	.005	<.007
11...	1530	164	12	10.0	8.7	.044	<.007	.051	.10	.007	<.007
19...	1435	100	12	9.0	8.8	--	<.007	.044	E.08	.005	<.007
27...	1140	119	12	11.0	8.6	--	<.007	.059	.09	.006	<.007
JUL											
12...	1110	48	13	14.0	7.8	--	<.007	.039	E.07	.005	<.007
12...	1145	48	13	14.0	7.8	--	<.007	.035	E.07	.004	<.007
24...	1025	25	15	14.0	7.5	--	<.007	.047	.08	E.003	<.007
AUG											
08...	0835	36	15	12.5	7.9	--	<.007	.091	.14	.005	<.007
23...	1310	8.9	16	13.5	7.8	--	<.007	.060	.10	E.003	<.007
SEP											
27...	1415	12	18	11.0	8.2	--	<.007	.089	.09	.004	<.007

E Estimated laboratory analysis value.

THREE LAKES WATER-QUALITY STUDY--Continued

09012500 NORTH INLET AT GRAND LAKE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°15'10", long 105°48'50", in NE$^{1}/_{4}$ sec.5, T.3 N., R.75 W., Grand County, Hydrologic Unit 14010001, at north edge of town of Grand Lake, 600 ft downstream from Tonahutu Creek and 0.20 mi upstream from high-water line of Grand Lake.

DRAINAGE AREA.--45.9 mi^{2}.

PERIOD OF RECORD.--November 2000 to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV											
13...	1420	10	21	0	9.1	--	.008	.173	E.06	<.004	--
JAN											
23...	1430	5.3	26	0	10.5	.173	<.007	.181	<.08	.004	<.007
MAR											
06...	1240	4.6	26	0	10.6	--	<.007	.159	<.08	E.003	<.007
APR											
05...	1045	9.3	30	0	10.9	--	.008	.126	.17	.008	--
17...	1350	11	27	4.0	9.8	.092	<.007	.109	.10	.008	<.007
30...	1205	94	20	3.0	9.8	.098	<.007	.115	.28	.016	<.007
MAY											
16...	0900	275	15	2.5	10.2	--	.056	.108	.26	.019	<.007
16...	1000	474	25	9.0	9.4	--	<.007	.108	.18	.015	<.007
22...	1600	157	16	5.0	9.5	.050	.002	.111	.11	.006	<.007
30...	1250	253	13	6.0	9.3	.057	<.007	.089	.14	.007	<.007
JUN											
05...	1015	196	14	3.0	9.9	.081	<.007	.091	.11	.006	<.007
11...	1430	193	13	10.5	8.7	--	<.007	.071	E.08	.006	<.007
19...	1550	--	13	9.5	8.6	--	<.007	.047	.10	.006	<.007
27...	1022	157	13	10.0	8.6	--	<.007	.070	E.04	.005	<.007
JUL											
12...	1230	70	15	14.5	7.6	--	<.007	.040	.10	E.002	<.007
24...	0845	48	18	12.5	7.7	--	<.007	.052	E.07	E.002	<.007
AUG											
08...	0935	82	17	11.0	8.1	--	<.007	.158	.17	.005	<.007
23...	1400	80	18	13.5	7.8	--	<.007	.082	.09	E.003	<.007
SEP											
27...	1610	18	20	11.0	8.1	--	<.007	.106	.09	.005	<.007

E Estimated laboratory analysis value.

THREE LAKES WATER-QUALITY STUDY--Continued

401422105483100 GRAND LAKE (SOUTH EAST) NEAR GRAND LAKE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°14'22", long 105°48'31", in $NE^1/_4NE^1/_4$ sec.8, T.3 N., R.75 W., Grand County, Hydrologic Unit 14010001, near southeast end of lake, 1.2 mi southeast of town of Grand Lake.

DRAINAGE AREA.--76.3 mi^2.

PERIOD OF RECORD.--November 2000 to September 2001.

REMARKS.--Each sample is a composite of three equally-spaced point samples of equal volume. The sample is collected in the depth interval from the surface to twice the secchi disk depth (photic zone approximation.)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
NOV						
21...	1211	.50	36	6.8	4.1	7.2
21...	1212	5.00	36	6.8	4.0	7.1
21...	1213	10.0	36	6.8	3.9	7.1
21...	1214	15.0	35	6.8	4.0	7.1
21...	1215	20.0	35	6.8	3.9	7.1
21...	1216	25.0	35	6.8	3.9	7.0
21...	1217	30.0	35	6.8	3.9	7.0
21...	1218	35.0	35	6.7	3.9	7.0
21...	1219	40.0	35	6.7	3.9	7.0
21...	1220	45.0	35	6.7	3.9	7.0
21...	1221	50.0	35	6.7	3.9	7.0
21...	1222	55.0	35	6.7	3.9	7.0
21...	1223	60.0	35	6.7	3.9	6.9
21...	1224	65.0	35	6.7	3.9	6.9
21...	1225	70.0	36	6.7	3.9	6.9
21...	1226	75.0	35	6.7	3.9	6.9
21...	1227	80.0	36	6.7	3.9	6.9
21...	1228	85.0	36	6.7	3.9	6.9
21...	1229	90.0	36	6.7	3.9	6.9
21...	1230	100	36	6.7	3.9	6.9
21...	1231	110	37	6.7	4.0	6.9
21...	1232	120	37	6.7	4.0	6.9
21...	1233	130	37	6.7	4.0	6.8
21...	1234	140	38	6.7	4.0	6.7
21...	1235	150	38	6.7	4.0	6.2
21...	1236	160	38	6.6	4.0	5.9
21...	1237	170	38	6.6	4.0	5.9
21...	1238	180	38	6.6	4.0	5.9
21...	1239	190	39	6.6	4.0	5.3
21...	1240	200	39	6.5	4.0	4.8
21...	1241	210	39	6.5	4.0	4.6
21...	1242	230	40	6.4	4.0	4.0
21...	1243	230	40	6.4	4.0	3.4
21...	1244	240	40	6.4	4.0	3.1
MAY						
09...	1130	.50	38	6.6	5.0	8.1
09...	1131	5.00	38	6.6	4.8	8.2
09...	1132	10.0	39	6.6	4.2	8.2
09...	1133	15.0	39	6.6	4.1	8.1
09...	1134	20.0	39	6.6	4.1	8.1
09...	1135	25.0	39	6.6	4.1	8.1
09...	1136	30.0	40	6.6	4.0	8.1
09...	1137	35.0	40	6.6	4.1	8.0
09...	1138	40.0	40	6.6	4.1	7.9
09...	1139	45.0	40	6.6	4.1	7.8
09...	1140	50.0	40	6.6	4.1	7.8
09...	1141	55.0	40	6.6	4.0	7.8
09...	1142	60.0	40	6.6	4.0	7.7
09...	1143	65.0	40	6.6	4.0	7.7
09...	1144	70.0	40	6.6	4.0	7.6
09...	1145	75.0	40	6.6	3.9	7.6
09...	1146	80.0	40	6.6	3.9	7.6
09...	1147	85.0	40	6.6	3.9	7.5
09...	1148	90.0	40	6.6	3.9	7.5
09...	1149	100	40	6.6	3.9	7.5
09...	1150	110	40	6.6	3.9	7.6
09...	1151	120	40	6.6	3.9	7.5
09...	1152	130	40	6.6	3.9	7.5
09...	1153	140	40	6.6	3.8	7.5
09...	1154	140	40	6.6	3.8	7.5
09...	1155	160	40	6.5	3.8	7.5
09...	1156	170	40	6.5	3.8	7.5
09...	1157	180	40	6.5	3.8	7.4
09...	1158	190	40	6.5	3.8	7.4

THREE LAKES WATER-QUALITY STUDY--Continued

401422105483100 GRAND LAKE (SOUTH EAST) NEAR GRAND LAKE, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
JUL						
12...	1026	.50	41	7.6	18.2	7.6
12...	1027	5.00	40	7.7	17.8	7.6
12...	1028	10.0	34	7.5	16.2	7.8
12...	1029	15.0	23	7.3	13.3	8.1
12...	1030	20.0	22	7.2	11.2	7.9
12...	1031	25.0	22	7.1	10.2	7.6
12...	1032	30.0	22	6.9	9.0	7.5
12...	1033	35.0	22	6.8	8.6	7.5
12...	1034	40.0	23	6.7	7.8	7.5
12...	1035	45.0	24	6.7	7.4	7.6
12...	1036	50.0	25	6.7	6.7	7.6
12...	1037	55.0	28	6.6	6.1	7.4
12...	1038	60.0	29	6.6	5.8	7.4
12...	1039	65.0	30	6.6	5.6	7.3
12...	1040	70.0	31	6.6	5.5	7.2
12...	1041	75.0	32	6.6	5.3	7.2
12...	1042	80.0	32	6.6	5.2	7.0
12...	1043	85.0	33	6.5	5.1	7.0
12...	1044	90.0	34	6.5	4.9	6.9
12...	1045	100	35	6.5	4.7	6.9
12...	1046	110	36	6.5	4.5	6.8
12...	1047	120	37	6.5	4.3	6.7
12...	1048	130	38	6.5	4.1	6.6
12...	1049	140	39	6.5	4.1	6.5
12...	1050	150	39	6.5	4.0	6.4
12...	1051	160	39	6.4	4.0	6.4
12...	1052	170	39	6.5	4.0	6.4
12...	1053	180	40	6.4	3.9	6.3
12...	1054	190	40	6.4	3.9	6.1
12...	1055	200	40	6.4	3.9	6.1
12...	1056	210	40	6.4	3.8	6.1
12...	1057	220	40	6.4	3.8	6.0
SEP						
07...	0915	.50	42	7.4	13.6	7.5
07...	0916	5.00	42	7.4	13.6	7.5
07...	0917	10.0	42	7.3	13.6	7.4
07...	0918	15.0	41	7.3	13.6	7.4
07...	0919	20.0	39	7.2	12.4	7.2
07...	0920	25.0	35	6.8	12.7	6.5
07...	0921	30.0	26	6.5	11.5	5.7
07...	0922	35.0	23	6.3	9.0	5.5
07...	0923	40.0	22	6.3	8.4	5.7
07...	0924	45.0	23	6.3	8.0	5.8
07...	0925	50.0	23	6.3	7.5	6.0
07...	0926	55.0	24	6.3	6.8	6.2
07...	0927	60.0	24	6.3	6.7	6.2
07...	0928	65.0	25	6.3	6.4	6.2
07...	0929	70.0	26	6.3	6.1	6.3
07...	0930	75.0	28	6.3	5.6	6.3
07...	0931	80.0	29	6.4	5.4	6.3
07...	0932	85.0	30	6.4	5.2	6.2
07...	0933	90.0	31	6.4	5.1	6.1
07...	0934	100	31	6.4	4.9	6.1
07...	0935	110	33	6.4	4.7	6.0
07...	0936	120	34	6.4	4.5	6.0
07...	0937	130	34	6.4	4.3	6.0
07...	0938	140	35	6.4	4.2	6.0
07...	0939	150	35	6.4	4.2	6.0
07...	0940	160	36	6.4	4.1	5.9
07...	0941	170	36	6.5	4.0	5.9
07...	0942	180	36	6.4	4.0	5.7
07...	0943	190	36	6.4	4.0	5.6
07...	0944	200	37	6.4	3.9	5.4
07...	0945	210	37	6.4	3.9	5.2
07...	0946	220	37	6.1	3.9	5.1

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
NOV							
21...	1245	207	.009	.055	.16	.006	--
MAY							
09...	1205	150	.015	.041	.12	.008	<.007
JUL							
12...	1110	96.0	<.007	<.007	.15	.010	<.007
SEP							
07...	1000	150	<.007	<.007	.21	.011	<.007

THREE LAKES WATER-QUALITY STUDY--Continued

09013900 GRAND LAKE AT GRAND LAKE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°14'48", long 105°49'06", in $NE^{1}/_{4}SW^{1}/_{4}$ sec.5, T.3 N., R.75 W., Grand County, Hydrologic Unit 14010001, between North Inlet and Shadow Mountain Lake Inlet channel, approximately 0.6 mi south-southeast of town of Grand Lake.

DRAINAGE AREA.--76.3 mi^2.

PERIOD OF RECORD.--November 1973 to June 1975, November 2000 to September 2001.

REMARKS.--Each sample is a composite of three equally-spaced point samples of equal volume. The surface sample is collected in the depth interval from the surface to twice the secchi disk depth (photic zone approximation.) The bottom sample is collected in the interval from twice the secchi depth to the reservoir bottom.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
NOV						
21...	1035	.50	35	6.9	4.2	7.2
21...	1036	5.00	35	6.9	4.1	7.2
21...	1037	10.0	35	6.9	4.1	7.2
21...	1038	15.0	35	6.9	4.1	7.2
21...	1039	20.0	35	6.9	4.1	7.1
21...	1040	25.0	35	6.9	4.1	7.1
21...	1041	30.0	35	6.8	4.1	7.1
21...	1042	35.0	35	6.8	4.0	7.0
21...	1043	40.0	35	6.9	4.0	6.9
21...	1044	45.0	35	6.8	4.0	6.9
21...	1045	50.0	35	6.8	4.0	6.9
21...	1046	55.0	35	6.8	4.0	6.9
21...	1047	60.0	35	6.8	4.0	6.9
21...	1048	65.0	35	6.8	4.0	6.8
21...	1049	70.0	35	6.8	4.0	6.8
21...	1050	75.0	35	6.8	4.0	6.8
21...	1051	80.0	35	6.8	4.0	6.8
21...	1052	85.0	35	6.8	4.0	6.8
21...	1053	90.0	35	6.8	4.0	6.7
21...	1054	100	35	6.8	4.0	6.7
21...	1055	110	36	6.8	4.0	6.6
21...	1056	120	36	6.8	4.0	6.6
21...	1057	130	37	6.8	4.0	6.7
21...	1058	140	37	6.8	4.0	6.7
21...	1059	150	37	6.7	4.0	6.6
21...	1100	160	37	6.7	4.0	6.2
21...	1101	170	38	6.7	4.0	5.8
21...	1102	180	38	6.6	4.0	5.7
21...	1103	190	38	6.6	4.0	5.7
21...	1104	200	38	6.6	4.0	5.6
21...	1105	210	38	6.6	4.0	5.1
21...	1106	220	38	6.6	4.0	4.8
21...	1107	230	39	6.5	4.0	4.7
21...	1108	240	39	6.5	4.0	4.7
JAN						
23...	1008	1.50	35	7.1	.2	10.7
23...	1009	5.00	50	7.0	1.4	8.3
23...	1010	10.0	50	7.0	1.5	8.3
23...	1011	15.0	50	7.0	1.5	8.2
23...	1012	20.0	49	7.0	1.6	8.1
23...	1013	25.0	49	7.0	1.6	8.1
23...	1014	30.0	49	7.0	1.6	8.0
23...	1015	35.0	49	7.0	1.7	8.0
23...	1016	40.0	48	7.0	1.8	7.9
23...	1017	45.0	47	6.9	2.2	7.5
23...	1018	50.0	45	6.9	2.7	7.0
23...	1019	55.0	44	6.9	2.9	6.9
23...	1020	60.0	43	6.8	3.0	6.8
23...	1021	65.0	43	6.8	3.1	6.7
23...	1022	70.0	43	6.8	3.1	6.6
23...	1023	75.0	43	6.7	3.2	6.6
23...	1024	80.0	42	6.7	3.2	6.6
23...	1025	85.0	42	6.7	3.2	6.6
23...	1026	90.0	42	6.7	3.2	6.5
23...	1027	100	42	6.7	3.3	6.5
23...	1028	110	42	6.6	3.3	6.4
23...	1029	120	42	6.6	3.3	6.4
23...	1030	130	42	6.6	3.3	6.4
23...	1031	140	42	6.6	3.3	6.4
23...	1032	150	42	6.6	3.3	6.4
23...	1033	160	42	6.6	3.3	6.4
23...	1034	170	42	6.6	3.4	6.4
23...	1035	180	42	6.6	3.4	6.3
23...	1036	190	42	6.6	3.4	6.2
23...	1037	200	42	6.6	3.4	6.1
23...	1038	210	42	6.5	3.4	5.9
23...	1039	220	42	6.5	3.4	5.8
23...	1040	224	42	6.5	3.4	5.7

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
MAR						
01...	1100	1.50	49	6.5	1.3	7.3
01...	1101	5.00	48	6.6	1.5	7.1
01...	1102	10.0	47	6.6	1.5	7.1
01...	1103	15.0	46	6.6	1.5	7.1
01...	1104	20.0	46	6.6	1.5	7.1
01...	1105	25.0	45	6.6	1.6	7.1
01...	1106	30.0	44	6.6	1.6	7.0
01...	1107	35.0	43	6.6	1.6	7.0
01...	1108	40.0	42	6.6	1.7	7.0
01...	1109	45.0	42	6.6	1.7	6.9
01...	1110	50.0	40	6.6	2.0	6.6
01...	1111	55.0	37	6.5	2.4	6.3
01...	1112	60.0	36	6.5	2.6	6.0
01...	1113	65.0	35	6.5	2.9	5.8
01...	1114	70.0	34	6.4	3.1	5.7
01...	1115	75.0	34	6.4	3.2	5.7
01...	1116	80.0	34	6.4	3.2	5.6
01...	1117	85.0	34	6.4	3.2	5.6
01...	1118	90.0	34	6.4	3.2	5.6
01...	1119	100	33	6.4	3.3	5.5
01...	1120	110	33	6.3	3.3	5.5
01...	1121	120	33	6.3	3.3	5.5
01...	1122	130	33	6.3	3.3	5.5
01...	1123	140	33	6.3	3.3	5.5
01...	1124	150	33	6.3	3.3	5.4
01...	1125	160	33	6.3	3.3	5.4
01...	1126	170	34	6.3	3.4	5.3
01...	1127	180	34	6.3	3.4	5.2
01...	1128	190	34	6.3	3.4	5.1
01...	1129	200	34	6.2	3.4	4.8
01...	1130	210	34	6.2	3.4	4.6
APR						
03...	1000	2.00	40	6.9	1.2	9.2
03...	1001	5.00	47	6.9	2.0	8.5
03...	1002	10.0	45	6.9	2.0	8.5
03...	1003	15.0	44	6.9	2.0	8.4
03...	1004	20.0	43	6.9	2.0	8.4
03...	1005	25.0	43	6.9	2.0	8.4
03...	1006	30.0	43	6.9	2.0	8.4
03...	1007	35.0	42	6.9	2.0	8.4
03...	1008	40.0	42	6.9	2.0	8.3
03...	1009	45.0	42	6.9	2.1	7.9
03...	1010	50.0	41	6.8	2.1	8.0
03...	1011	55.0	40	6.8	2.2	7.5
03...	1012	60.0	39	6.8	2.4	7.2
03...	1013	65.0	39	6.8	2.4	7.1
03...	1014	70.0	37	6.8	2.6	6.8
03...	1015	75.0	36	6.8	2.7	6.6
03...	1016	80.0	35	6.7	2.9	6.4
03...	1017	85.0	35	6.7	3.0	6.3
03...	1018	90.0	34	6.7	3.2	6.1
03...	1019	100	34	6.6	3.2	6.0
03...	1020	110	34	6.6	3.3	6.0
03...	1021	120	34	6.6	3.3	5.9
03...	1022	130	34	6.6	3.3	5.9
03...	1023	140	34	6.6	3.3	5.9
03...	1024	150	34	6.5	3.3	5.8
03...	1025	160	34	6.5	3.3	5.6
03...	1026	170	34	6.5	3.4	5.6
03...	1027	180	34	6.5	3.4	5.5
03...	1028	190	34	6.5	3.4	5.3
03...	1029	200	34	6.4	3.4	5.2
03...	1030	210	34	6.4	3.4	4.8

THREE LAKES WATER-QUALITY STUDY--Continued

09013900 GRAND LAKE AT GRAND LAKE, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
MAY						
09...	0950	.50	44	6.6	4.4	7.9
09...	0951	5.00	44	6.5	4.1	7.9
09...	0952	10.0	44	6.5	4.0	7.9
09...	0953	15.0	43	6.5	4.0	7.9
09...	0954	20.0	42	6.5	4.0	7.9
09...	0955	25.0	42	6.5	4.0	7.7
09...	0956	30.0	42	6.5	4.0	7.8
09...	0957	35.0	42	6.5	3.9	7.7
09...	0958	40.0	42	6.5	3.9	7.7
09...	0959	45.0	41	6.5	3.9	7.6
09...	1000	50.0	41	6.5	3.9	7.6
09...	1001	55.0	41	6.5	3.8	7.6
09...	1002	60.0	41	6.5	3.8	7.5
09...	1003	65.0	41	6.5	3.8	7.6
09...	1004	70.0	41	6.5	3.8	7.5
09...	1005	75.0	41	6.5	3.8	7.5
09...	1006	80.0	41	6.5	3.8	7.5
09...	1007	85.0	41	6.5	3.8	7.5
09...	1008	90.0	41	6.5	3.8	7.5
09...	1009	100	41	6.5	3.8	7.5
09...	1010	110	41	6.5	3.8	7.9
09...	1011	120	41	6.5	3.8	7.5
09...	1012	130	41	6.5	3.8	7.4
09...	1013	140	41	6.5	3.8	7.4
09...	1014	150	41	6.4	3.8	7.3
09...	1015	160	41	6.4	3.8	7.4
09...	1016	170	41	6.4	3.7	7.4
09...	1017	180	41	6.4	3.7	7.3
09...	1018	190	41	6.4	3.7	7.3
09...	1019	200	41	6.4	3.7	7.3
09...	1020	210	41	6.4	3.7	7.2
09...	1021	220	40	6.4	3.7	7.3
09...	1022	230	40	6.4	3.6	7.2
09...	1023	230	40	6.4	3.6	7.1
JUN						
20...	0921	.50	40	7.1	12.6	8.0
20...	0922	5.00	37	7.0	11.7	8.1
20...	0923	10.0	35	7.0	11.6	8.0
20...	0924	15.0	31	6.9	10.7	8.1
20...	0925	20.0	29	6.9	10.4	8.1
20...	0926	25.0	27	6.8	9.3	8.1
20...	0927	30.0	26	6.7	8.1	8.1
20...	0928	35.0	25	6.7	7.9	8.1
20...	0929	40.0	26	6.6	7.1	7.9
20...	0930	45.0	27	6.6	6.7	7.9
20...	0931	50.0	27	6.6	6.6	7.9
20...	0932	55.0	29	6.6	6.2	7.8
20...	0933	60.0	30	6.6	6.0	7.7
20...	0934	65.0	31	6.5	5.8	7.7
20...	0935	70.0	32	6.5	5.6	7.6
20...	0936	75.0	32	6.5	5.5	7.5
20...	0937	80.0	34	6.5	5.3	7.4
20...	0938	85.0	36	6.5	5.0	7.3
20...	0939	90.0	36	6.5	4.9	7.2
20...	0940	100	36	6.5	4.8	7.2
20...	0941	110	37	6.5	4.6	7.1
20...	0942	120	38	6.5	4.6	7.0
20...	0943	130	39	6.5	4.4	6.9
20...	0944	140	40	6.5	4.3	6.8
20...	0945	150	40	6.5	4.2	6.8
20...	0946	160	41	6.5	4.1	6.7
20...	0947	170	41	6.5	4.0	6.6
20...	0948	180	42	6.5	3.9	6.5
20...	0949	190	42	6.4	3.9	6.5
20...	0950	200	42	6.4	3.9	6.4
20...	0951	210	42	6.4	3.9	6.4
20...	0952	220	42	6.4	3.8	6.2
20...	0953	230	43	6.4	3.8	6.1
20...	0954	240	43	6.4	3.8	6.0

THREE LAKES WATER-QUALITY STUDY--Continued

09013900 GRAND LAKE AT GRAND LAKE, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
JUL						
12...	0906	.50	50	7.6	17.8	7.6
12...	0907	5.00	49	7.6	17.5	7.7
12...	0908	10.0	36	7.4	15.9	8.1
12...	0909	15.0	28	7.3	13.4	8.0
12...	0910	20.0	26	7.1	11.3	7.7
12...	0911	25.0	27	6.9	9.4	7.4
12...	0912	30.0	27	6.8	8.7	7.4
12...	0913	35.0	26	6.8	8.2	7.5
12...	0914	40.0	26	6.7	7.6	7.5
12...	0915	45.0	26	6.7	7.2	7.5
12...	0916	50.0	26	6.6	6.7	7.6
12...	0917	55.0	27	6.6	6.5	7.5
12...	0918	60.0	28	6.6	6.1	7.5
12...	0919	65.0	29	6.6	5.8	7.4
12...	0920	70.0	30	6.6	5.6	7.3
12...	0921	75.0	31	6.6	5.6	7.2
12...	0922	80.0	32	6.5	5.4	7.2
12...	0923	85.0	33	6.5	5.1	7.0
12...	0924	90.0	33	6.5	5.0	7.0
12...	0925	100	35	6.5	4.8	6.9
12...	0926	110	36	6.5	4.6	6.8
12...	0927	120	37	6.5	4.4	6.7
12...	0928	130	38	6.4	4.3	6.7
12...	0929	140	38	6.4	4.2	6.7
12...	0930	150	38	6.4	4.2	6.6
12...	0931	160	39	6.4	4.1	6.5
12...	0932	170	39	6.4	4.0	6.5
12...	0933	180	40	6.4	4.0	6.4
12...	0934	190	40	6.4	3.9	6.4
12...	0935	200	40	6.4	3.9	6.3
12...	0936	210	40	6.4	3.8	6.3
12...	0937	220	40	6.4	3.8	6.2
12...	0938	230	41	6.4	3.8	5.5
12...	0939	239	41	6.3	3.8	5.0
24...	1130	.50	47	8.1	18.3	7.9
24...	1131	5.00	46	8.2	18.2	8.0
24...	1132	10.0	46	8.2	17.5	8.0
24...	1133	15.0	35	7.8	15.6	8.1
24...	1134	20.0	23	7.2	11.7	7.2
24...	1135	25.0	22	7.0	9.8	7.0
24...	1136	30.0	23	6.9	9.1	7.1
24...	1137	35.0	23	6.8	8.3	7.1
24...	1138	40.0	24	6.8	7.8	7.2
24...	1139	45.0	24	6.8	7.6	7.2
24...	1140	50.0	25	6.7	7.1	7.3
24...	1141	55.0	25	6.7	6.8	7.3
24...	1142	60.0	27	6.7	6.4	7.3
24...	1143	65.0	28	6.6	6.1	7.2
24...	1144	70.0	29	6.6	5.9	7.2
24...	1145	75.0	31	6.6	5.5	7.0
24...	1146	80.0	32	6.6	5.4	7.0
24...	1147	85.0	33	6.6	5.2	7.0
24...	1148	90.0	33	6.6	5.1	6.8
24...	1149	100	35	6.6	4.8	6.8
24...	1150	110	37	6.6	4.4	6.6
24...	1151	120	38	6.5	4.3	6.5
24...	1152	130	38	6.5	4.2	6.5
24...	1153	140	39	6.5	4.2	6.5
24...	1154	150	40	6.5	4.0	6.4
24...	1155	160	40	6.5	4.0	6.4
24...	1156	170	40	6.5	3.9	6.3
24...	1157	180	40	6.5	3.9	6.2
24...	1158	190	41	6.5	3.9	6.1
24...	1159	200	41	6.5	3.8	6.0
24...	1200	210	41	6.4	3.8	5.7
24...	1201	220	41	6.4	3.8	5.5
24...	1202	230	41	6.4	3.8	5.2
24...	1203	240	41	6.4	3.8	4.6

THREE LAKES WATER-QUALITY STUDY--Continued

09013900 GRAND LAKE AT GRAND LAKE, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
AUG						
10...	0910	.50	45	7.5	16.8	7.3
10...	0911	5.00	45	7.5	16.8	7.4
10...	0912	10.0	41	7.3	15.6	7.7
10...	0913	15.0	33	7.0	14.3	7.5
10...	0914	20.0	30	6.8	13.5	7.2
10...	0915	25.0	26	6.6	11.8	7.0
10...	0916	30.0	25	6.5	10.4	6.8
10...	0917	35.0	24	6.4	8.5	7.0
10...	0918	40.0	25	6.4	7.7	7.1
10...	0919	45.0	26	6.4	7.2	7.2
10...	0920	50.0	26	6.4	6.9	7.1
10...	0921	55.0	27	6.4	6.6	7.1
10...	0922	60.0	28	6.4	7.2	7.0
10...	0923	65.0	29	6.4	6.0	7.0
10...	0924	70.0	30	6.4	5.8	6.9
10...	0925	75.0	31	6.4	5.6	6.8
10...	0926	80.0	32	6.4	5.4	6.7
10...	0927	85.0	33	6.4	5.1	6.6
10...	0928	90.0	35	6.4	4.9	6.6
10...	0929	100	36	6.4	4.7	6.4
10...	0930	110	38	6.4	4.4	6.4
10...	0931	120	38	6.4	4.4	6.3
10...	0932	130	39	6.4	4.2	6.3
10...	0933	140	39	6.4	4.2	6.2
10...	0934	150	40	6.4	4.1	6.2
10...	0935	160	40	6.4	4.0	6.2
10...	0936	170	40	6.4	4.0	6.1
10...	0937	180	41	6.4	3.9	6.0
10...	0938	190	41	6.4	3.9	6.0
10...	0939	200	41	6.4	3.9	6.0
10...	0940	210	41	6.4	3.8	5.8
10...	0941	220	41	6.4	3.8	5.5
10...	0942	230	42	6.3	3.8	5.0
10...	0943	240	42	6.3	3.8	4.0
10...	0944	244	42	6.3	3.8	3.9
22...	0916	.50	47	7.6	14.8	7.9
22...	0917	5.00	46	7.6	14.8	7.8
22...	0918	10.0	46	7.7	14.8	7.8
22...	0919	15.0	46	7.4	14.5	7.6
22...	0920	20.0	32	6.7	12.9	6.8
22...	0921	25.0	29	6.6	12.4	6.6
22...	0922	30.0	26	6.3	10.0	5.9
22...	0923	35.0	25	6.2	8.8	6.0
22...	0924	40.0	26	6.2	7.7	6.3
22...	0925	45.0	26	6.2	7.3	6.4
22...	0926	50.0	27	6.2	6.9	6.5
22...	0927	55.0	28	6.2	6.4	6.6
22...	0928	60.0	29	6.2	6.3	6.6
22...	0929	65.0	29	6.2	6.1	6.6
22...	0930	70.0	30	6.2	5.8	6.6
22...	0931	75.0	31	6.2	5.7	6.5
22...	0932	80.0	32	6.2	5.5	6.5
22...	0933	85.0	33	6.2	5.2	6.5
22...	0934	90.0	34	6.2	5.1	6.4
22...	0935	100	36	6.3	4.8	6.3
22...	0936	110	38	6.3	4.5	6.3
22...	0937	120	39	6.3	4.3	6.2
22...	0938	130	39	6.3	4.3	6.2
22...	0939	140	39	6.3	4.2	6.1
22...	0940	150	40	6.3	4.1	6.1
22...	0941	160	40	6.3	4.1	6.0
22...	0942	170	41	6.3	4.0	5.9
22...	0943	180	41	6.3	4.0	5.8
22...	0944	190	41	6.3	3.9	5.7
22...	0945	200	41	6.3	3.9	5.6
22...	0946	210	42	6.3	3.9	5.5
22...	0947	220	42	6.2	3.8	5.0
22...	0948	230	42	6.2	3.8	4.6
22...	0949	235	42	6.2	3.8	4.4

THREE LAKES WATER-QUALITY STUDY--Continued

09013900 GRAND LAKE AT GRAND LAKE, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
SEP						
07...	1010	.50	41	7.4	13.5	7.5
07...	1011	5.00	41	7.4	13.5	7.4
07...	1012	10.0	41	7.4	13.5	7.4
07...	1013	15.0	41	7.4	13.4	7.3
07...	1014	20.0	41	7.3	13.3	7.3
07...	1015	25.0	41	7.3	13.2	7.3
07...	1016	30.0	23	6.4	9.8	5.3
07...	1017	35.0	23	6.4	8.4	5.6
07...	1018	40.0	23	6.3	7.9	5.8
07...	1019	45.0	23	6.3	7.5	5.9
07...	1020	50.0	24	6.2	7.0	6.0
07...	1021	55.0	24	6.3	6.7	6.1
07...	1022	60.0	25	6.2	6.4	6.2
07...	1023	65.0	27	6.3	5.8	6.2
07...	1024	70.0	27	6.3	5.7	6.2
07...	1025	75.0	29	6.3	5.4	6.2
07...	1026	80.0	31	6.3	5.0	6.1
07...	1027	85.0	32	6.3	4.8	6.0
07...	1028	90.0	33	6.3	4.5	5.9
07...	1029	100	34	6.4	4.3	5.9
07...	1030	110	35	6.3	4.2	5.9
07...	1031	120	35	6.3	4.1	5.9
07...	1032	130	35	6.4	4.1	5.8
07...	1033	140	36	6.4	4.0	5.7
07...	1034	150	36	6.4	4.0	5.7
07...	1035	160	36	6.4	3.9	5.6
07...	1036	170	37	6.4	3.9	5.5
07...	1037	180	37	6.4	3.8	5.3
07...	1038	190	37	6.4	3.8	4.9
07...	1039	200	37	6.3	3.8	4.6
07...	1040	210	37	6.3	3.8	4.2
19...	0905	.50	47	7.0	11.4	7.3
19...	0906	5.00	47	7.0	11.4	7.3
19...	0907	10.0	47	7.0	11.4	7.2
19...	0908	15.0	47	7.0	11.4	7.2
19...	0909	20.0	51	7.1	11.4	7.1
19...	0910	25.0	43	6.8	11.2	6.5
19...	0911	30.0	37	6.6	10.7	6.2
19...	0912	35.0	33	6.5	10.0	6.1
19...	0913	40.0	28	6.3	8.4	5.5
19...	0914	45.0	27	6.2	7.9	5.5
19...	0915	50.0	28	6.2	7.4	5.7
19...	0916	55.0	28	6.2	6.8	5.9
19...	0917	60.0	28	6.2	6.6	6.0
19...	0918	65.0	29	6.2	6.4	6.0
19...	0919	70.0	30	6.2	6.2	6.0
19...	0920	75.0	31	6.2	5.7	6.0
19...	0921	80.0	32	6.2	5.5	6.0
19...	0922	85.0	34	6.2	5.1	6.0
19...	0923	90.0	35	6.3	5.0	5.8
19...	0924	100	36	6.3	4.8	5.8
19...	0925	110	37	6.3	4.6	5.8
19...	0926	120	39	6.3	4.4	5.7
19...	0927	130	39	6.3	4.3	5.7
19...	0928	140	40	6.3	4.2	5.8
19...	0929	150	40	6.4	4.1	5.8
19...	0930	160	41	6.4	4.1	5.7
19...	0931	170	41	6.4	4.0	5.7
19...	0932	180	41	6.4	4.0	5.6
19...	0933	190	41	6.4	3.9	5.5
19...	0934	200	41	6.4	3.9	5.5
19...	0935	210	42	6.3	3.9	5.2
19...	0936	220	42	6.3	3.9	4.8
19...	0937	230	42	6.2	3.9	4.3

THREE LAKES WATER-QUALITY STUDY--Continued

09013900 GRAND LAKE AT GRAND LAKE, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV							
21...	1145	226	<.007	.054	.19	.007	--
21...	1200	--	<.007	.101	.24	.007	--
JAN							
23...	1100	--	.007	.025	.14	.008	--
23...	1130	--	<.007	.071	.08	.006	--
MAR							
01...	1145	--	<.007	.031	.14	.006	--
01...	1200	--	<.007	.084	.16	.007	--
APR							
03...	1050	--	<.007	<.007	.19	.009	--
03...	1110	--	<.007	.032	.16	.008	--
MAY							
09...	1030	192	<.007	.040	.15	.008	<.007
09...	1050	--	<.007	.044	.12	.007	<.007
JUN							
20...	1045	108	<.007	.012	.25	.009	<.007
20...	1100	--	<.007	.057	.12	.006	<.007
JUL							
12...	0945	102	.024	<.007	.12	.010	<.007
12...	1000	--	<.007	.063	.11	.006	<.007
24...	1215	120	--	--	.22	.008	<.007
24...	1220	--	--	--	.17	.004	<.007
AUG							
10...	0955	150	.012	.014	.21	.009	<.007
10...	1005	--	.007	.075	.14	.006	<.007
22...	1000	126	<.007	.009	.20	.011	<.007
22...	1015	--	<.007	.075	.14	.006	<.007
SEP							
07...	1045	150	<.007	<.007	.18	.012	<.007
07...	1100	--	<.007	.074	.13	.005	<.007
19...	0945	96.0	<.007	<.007	.20	.009	<.007
19...	1000	--	<.007	.074	.13	.004	<.007

THREE LAKES WATER-QUALITY STUDY--Continued

09014000 GRAND LAKE OUTLET AT GRAND LAKE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°14'40", long 105°49'33", in sec.6, T.3 N., R.75 W., at county road bridge at outlet of Grand Lake, approximately 0.50 mi south of town of Grand Lake.

DRAINAGE AREA.--76.3 mi^2.

PERIOD OF RECORD.--November 2000 to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	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)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV										
21...	0900	57	7.5	3.5	9.0	<.007	<.007	.23	.012	--
JAN										
23...	1345	51	7.0	1.5	8.9	<.007	.012	.18	.013	--
MAR										
01...	0915	43	6.9	1.5	7.2	<.007	.025	.16	.009	--
APR										
03...	1230	43	7.0	3.0	8.4	<.007	<.007	.20	.010	--
MAY										
09...	1140	49	--	5.5	8.4	<.007	.033	.16	.020	.008
JUN										
19...	1420	54	7.9	16.5	7.8	<.007	<.007	.26	.018	<.007
JUL										
12...	0950	55	--	17.5	7.8	<.007	<.007	.24	.012	<.007
AUG										
10...	1035	53	7.4	14.5	8.2	<.007	<.007	.10	.008	<.007
22...	1035	55	7.8	14.5	8.3	<.007	<.007	.20	.011	<.007
SEP										
07...	1110	49	7.4	12.0	7.4	<.007	<.007	.19	.018	<.007
19...	1030	55	6.9	10.0	7.2	<.007	<.007	.21	.012	<.007

THREE LAKES WATER-QUALITY STUDY--Continued

09011000 COLORADO RIVER NEAR GRAND LAKE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°13'08", long 105°51'25", in $NE^{1}/_{4}SW^{1}/_{4}$ sec.13, T.3 N., R.76 W., 200 ft downstream from bridge on U.S. Highway 34, 400 ft upstream from high-water line of Shadow Mountain Reservoir at elevation 8,367 ft, and 3 mi southwest of town of Grand Lake.

DRAINAGE AREA.--102 mi^2.

PERIOD OF RECORD.--November 2000 to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV											
14...	1141	21	92	0	10.4	--	<.007	.043	<.08	E.003	--
JAN											
23...	1000	16	84	.5	10.8	.090	<.007	.099	.09	.006	<.007
MAR											
06...	0800	16	94	.5	10.7	--	<.007	.087	<.08	.008	<.007
APR											
05...	1210	35	83	3.0	10.6	--	.023	.074	.17	.019	--
05...	1230	35	83	3.0	10.6	--	.013	.079	.20	.019	--
17...	0940	38	80	2.0	10.7	--	.019	.061	.18	.020	<.007
30...	1430	137	57	5.5	9.4	--	<.007	.087	.39	.036	<.007
MAY											
16...	1445	318	44	7.5	9.1	--	<.007	.064	.22	.044	<.007
22...	1215	190	47	5.0	9.7	--	<.007	.045	.15	.017	<.007
30...	1450	222	41	8.5	8.7	--	<.007	.032	.18	.019	<.007
JUN											
05...	1140	138	44	7.5	8.9	--	<.007	.026	.14	.014	<.007
11...	0930	90	45	9.5	8.4	--	<.007	.021	.13	.011	<.007
19...	1215	24	58	15.0	7.5	--	<.007	.007	.12	.011	<.007
19...	1230	24	58	15.0	7.5	--	.007	.008	.14	.011	<.007
27...	1330	2.6	103	16.5	7.4	--	<.007	.021	.13	.020	E.005
JUL											
12...	1350	2.0	125	19.0	7.5	--	<.007	.041	.09	.016	.008
24...	1229	--	122	14.5	7.5	--	<.007	.015	E.07	.011	E.004
AUG											
08...	1030	25	78	15.5	7.4	--	<.007	<.007	.16	.008	<.007
23...	1135	30	77	13.5	7.7	--	<.007	<.007	.11	.009	<.007
SEP											
27...	1250	23	83	11.5	8.0	--	<.007	<.007	E.07	.006	<.007

E Estimated laboratory analysis value.

THREE LAKES WATER-QUALITY STUDY--Continued

09014500 SHADOW MOUNTAIN LAKE NEAR GRAND LAKE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°12'26", long 105°50'27", in $SW^1/_4NW^1/_4$ sec.19, T.3 N., R.75 W., Grand County, Hydrologic Unit 14010001, near Shadow Mountain Dam, approximately 3 mi south of Grand Lake.

DRAINAGE AREA.--185 mi^2.

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

REMARKS.--Each sample is a composite of three equally-spaced point samples of equal volume collected in the depth interval from the surface to twice the secchi disk depth (photic zone approximation).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
JAN						
22...	1438	.50	48	7.4	1.0	7.7
22...	1439	5.00	48	7.3	1.3	7.6
22...	1440	10.0	48	7.3	1.4	7.6
22...	1441	15.0	48	7.2	1.4	7.5
22...	1442	20.0	48	7.2	1.4	7.5
22...	1443	25.0	47	7.2	1.5	7.4
FEB						
28...	1353	1.00	47	6.7	1.4	7.7
28...	1354	5.00	47	6.7	1.7	7.7
28...	1355	10.0	47	6.7	1.7	7.7
28...	1356	15.0	47	6.7	1.7	7.7
28...	1357	20.0	47	6.7	1.7	7.7
28...	1358	25.0	46	6.7	1.8	7.6
APR						
02...	1320	.50	43	7.0	3.0	9.5
02...	1321	5.00	43	7.1	3.1	9.5
02...	1322	10.0	43	7.1	3.0	9.5
02...	1323	15.0	43	7.1	3.0	9.5
02...	1324	20.0	43	7.1	3.0	9.5
02...	1325	23.0	42	7.2	3.1	9.5
MAY						
08...	1440	.50	52	7.2	7.9	9.0
08...	1441	5.00	52	7.2	7.6	9.2
08...	1442	10.0	51	7.2	7.0	9.2
08...	1443	15.0	51	7.2	6.7	9.0
08...	1444	20.0	51	7.2	6.7	9.0
08...	1445	25.0	51	7.2	6.4	8.7
JUN						
19...	1210	.50	59	6.8	11.9	7.8
19...	1211	5.00	54	7.0	11.6	7.7
19...	1212	10.0	53	6.9	10.7	7.6
19...	1213	15.0	51	6.9	10.1	7.4
19...	1214	20.0	51	6.9	10.0	7.3
19...	1215	24.0	51	6.9	9.9	7.1
JUL						
11...	1245	.50	55	7.4	16.0	7.4
11...	1246	5.00	53	7.2	11.8	7.0
11...	1247	10.0	53	7.1	10.8	6.8
11...	1248	15.0	52	7.0	10.7	6.5
11...	1249	20.0	51	7.0	10.6	6.2
24...	1027	.50	53	7.0	14.1	6.8
24...	1028	5.00	53	7.0	11.3	6.8
24...	1029	10.0	52	7.0	11.0	6.7
24...	1030	15.0	52	7.0	10.6	6.3
24...	1031	20.0	52	7.0	10.6	6.4
24...	1032	25.0	52	7.0	10.1	6.3
AUG						
09...	1359	.50	54	7.5	15.4	7.5
09...	1400	5.00	54	7.5	15.4	7.4
09...	1401	10.0	54	7.1	13.4	6.7
09...	1402	15.0	53	6.8	11.6	6.1
09...	1403	20.0	53	6.7	11.1	6.0
21...	1124	.50	53	6.7	11.2	6.5
21...	1125	5.00	52	6.7	10.9	6.5
21...	1126	10.0	52	6.7	10.4	6.4
21...	1127	15.0	52	6.6	10.2	6.1
21...	1128	20.0	52	6.6	10.2	6.1
21...	1129	25.0	52	6.6	10.2	5.8
SEP						
06...	1240	.50	47	7.0	10.8	6.4
06...	1241	5.00	47	6.9	10.8	6.4
06...	1242	10.0	47	6.9	10.7	6.5
06...	1243	15.0	47	6.8	10.7	6.3
06...	1244	20.0	47	6.8	10.4	6.0
18...	1320	.50	50	6.7	9.4	5.7
18...	1321	5.00	50	6.7	9.3	5.6
18...	1322	10.0	50	6.7	9.2	5.6
18...	1323	15.0	50	6.6	9.1	5.5
18...	1324	20.0	50	6.6	9.0	5.2
18...	1325	25.0	50	6.6	9.0	5.2

THREE LAKES WATER-QUALITY STUDY--Continued

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
JAN							
22...	1450	--	.009	.008	.18	.015	--
FEB							
28...	1400	--	<.007	.018	.14	.008	--
APR							
02...	1335	--	.012	<.007	.22	.014	--
MAY							
08...	1500	72.0	.008	<.007	.22	.021	<.007
JUN							
19...	1220	114	<.007	<.007	.22	.011	<.007
JUL							
11...	1255	108	<.007	<.007	.18	.013	<.007
24...	1040	108	--	--	.18	.008	<.007
AUG							
09...	1410	102	.011	<.007	.20	.009	<.007
21...	1135	114	<.007	.017	.19	.012	<.007
SEP							
06...	1245	132	<.007	<.007	.24	.015	<.007
18...	1330	102	<.007	.015	.19	.013	<.007

THREE LAKES WATER-QUALITY STUDY--Continued

09015000 COLORADO RIVER BELOW SHADOW MOUNTAIN RESERVOIR, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°12'24", long 105°50'18", in $NW^1/_4$ sec.19, T.3 N., R.75 W., approximately 0.20 mi downstream from Shadow Mountain Dam, 0.7 mi upstream from Pole Creek, and 3.5 mi south of town of Grand Lake.

DRAINAGE AREA.--185 mi^2.

PERIOD OF RECORD.--November 2000 to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV										
14...	1440	45	55	4.0	--	<.007	<.007	.21	.011	--
MAY										
15...	1350	1400	53	10.0	9.0	<.007	<.007	.30	.025	<.007
JUN										
11...	1100	--	47	14.0	7.6	<.007	<.007	.17	.015	<.007
AUG										
23...	0945	40	58	11.0	10.8	<.007	.017	.18	.012	<.007

THREE LAKES WATER-QUALITY STUDY--Continued

09016500 ARAPAHOE CREEK AT MONARCH LAKE OUTLET, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°06'45", long 105°44'57", in $SW^1/_4SW^1/_4$ sec.24, T.2 N., R.75 W., approximately 0.25 mi downstream from Monarch Lake Outlet and 10 miles east of Granby.

DRAINAGE AREA.--46.9 mi^2.

PERIOD OF RECORD.--November 2000 to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV											
13...	1630	12	43	3.0	8.6	--	.025	.063	.21	E.003	--
JAN											
24...	0945	6.7	47	0	10.3	.137	.058	.132	E.04	.004	<.007
MAR											
06...	1530	5.5	54	2.0	9.7	--	.093	.115	.11	.006	<.007
APR											
05...	1415	12	57	4.0	9.7	--	.125	.115	.22	.006	--
17...	1615	17	50	6.0	8.9	.070	.071	.082	.15	.008	<.007
30...	1815	158	33	7.0	9.0	--	.023	.056	.20	.012	<.007
MAY											
15...	0900	474	25	9.0	9.4	--	<.007	.060	.20	.014	<.007
22...	1020	266	26	5.0	9.7	--	<.007	.067	.12	.004	<.007
30...	0915	398	24	6.5	9.3	--	<.007	.086	.13	.005	<.007
JUN											
05...	1405	308	24	7.5	9.3	--	<.007	.085	.10	.005	<.007
11...	1705	365	22	10.0	8.5	--	<.007	.081	.08	.004	<.007
19...	1015	196	26	10.5	8.4	--	<.007	.051	.08	.005	<.007
27...	1540	238	23	12.5	8.2	--	.013	.063	E.07	.005	<.007
JUL											
12...	1510	128	26	15.5	7.7	--	<.007	.052	.10	E.003	<.007
24...	1440	60	30	18.0	7.0	--	.009	.011	E.08	.004	<.007
AUG											
08...	1415	96	30	14.5	7.6	--	.010	.047	.20	.005	<.007
23...	1525	48	32	15.5	7.4	--	.015	.030	.12	.005	<.007
SEP											
27...	1015	26	38	12.0	8.2	--	.019	.052	.14	.007	<.007

E Estimated laboratory analysis value.

THREE LAKES WATER-QUALITY STUDY--Continued

09018000 STILLWATER CREEK ABOVE LAKE GRANBY, NEAR GRAND LAKE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°11'20", long 105°53'40", in $SE^1/_4SW^1/_4$ sec.27, T.3 N., R.76 W., approximately 0.25 mi upstream from high-water line of Lake Granby, 0.50 mi upstream from U.S. Highway 34, and 6 mi southwest of town of Grand Lake.

DRAINAGE AREA.--17.5 mi^2.

PERIOD OF RECORD.--November 2000 to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV										
14...	1330	1.8	147	.5	11.6	<.007	.047	.30	.074	--
MAY										
15...	1200	15	64	10.0	8.4	<.007	.012	.43	.092	.024
JUN										
11...	1250	63	142	19.5	7.1	.014	.007	.41	.111	.046
AUG										
08...	1245	5.9	227	18.0	6.4	<.007	<.007	.50	.145	.067
08...	1300	5.9	235	18.0	6.4	<.007	<.007	.61	.163	.069

THREE LAKES WATER-QUALITY STUDY--Continued

09018300 GRANBY PUMP CANAL NEAR GRAND LAKE, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°12'25", long 105°50'56", in $SW^1/_4NE^1/_4$ 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV											
21...	0900	345	53	7.5	4.5	8.4	<.007	<.007	.23	.018	--
JUL											
12...	0750	--	57	--	8.5	6.4	<.007	<.007	.16	.009	<.007
AUG											
23...	0830	372	57	--	8.0	4.6	<.007	.046	.16	.013	E.005

E Estimated laboratory analysis value.

THREE LAKES WATER-QUALITY STUDY--Continued

400844105530800 LAKE GRANBY (WEST) NEAR GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°08'44", long 105°53'08", in NW$^{1}/_{4}$SE$^{1}/_{4}$ sec.10, T.2 N., R.76 W., Grand County, Hydrologic Unit 14010001, in Rainbow Bay near Dike No. 2, approximately 5 mi northeast of Granby.

DRAINAGE AREA.--312 mi^{2}.

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

REMARKS.--Each sample is a composite of three equally-spaced point samples of equal volume. The surface sample is collected in the depth interval from the surface to twice the secchi disk depth (photic zone approximation). The bottom sample is collected in the interval from twice the secchi depth to the reservoir bottom.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
NOV						
20...	1300	.50	50	7.1	4.8	7.8
20...	1301	5.00	49	7.1	4.8	7.8
20...	1302	10.0	49	7.1	4.8	7.8
20...	1303	15.0	49	7.1	4.8	7.8
20...	1304	20.0	49	7.1	4.8	7.8
20...	1305	25.0	49	7.1	4.7	7.7
20...	1306	30.0	48	7.1	4.7	7.7
20...	1307	35.0	48	7.1	4.7	7.7
20...	1308	40.0	48	7.1	4.6	7.6
20...	1309	45.0	48	7.1	4.6	7.6
20...	1310	50.0	48	7.1	4.6	7.6
20...	1311	55.0	48	7.1	4.6	7.6
20...	1312	60.0	48	7.1	4.6	7.6
20...	1313	65.0	48	7.1	4.6	7.6
20...	1314	70.0	48	7.1	4.6	7.6
20...	1315	75.0	48	7.1	4.6	7.6
MAY						
08...	1257	.50	67	7.0	7.4	9.2
08...	1258	5.00	65	7.0	6.6	9.2
08...	1259	10.0	62	7.1	5.3	9.2
08...	1300	15.0	63	7.1	5.3	9.2
08...	1301	20.0	62	7.1	5.2	9.2
08...	1302	25.0	61	7.1	5.2	9.2
08...	1303	30.0	60	7.1	5.1	9.1
08...	1304	35.0	61	7.1	5.1	9.0
08...	1305	40.0	67	7.1	5.2	9.0
08...	1306	45.0	69	7.1	5.1	8.9
08...	1307	50.0	74	7.1	5.2	8.9
08...	1308	55.0	81	7.1	5.3	8.8
JUL						
11...	1149	.50	57	7.4	18.4	7.2
11...	1150	5.00	54	7.4	18.1	7.2
11...	1151	10.0	54	7.4	17.6	7.1
11...	1152	15.0	54	7.4	17.2	7.2
11...	1153	20.0	53	7.3	16.8	7.2
11...	1154	25.0	56	7.2	14.1	7.0
11...	1155	30.0	54	7.0	12.3	6.6
11...	1156	35.0	51	7.0	10.3	6.4
11...	1157	40.0	51	6.9	9.4	6.0
11...	1158	45.0	50	6.8	8.3	5.8
11...	1159	50.0	50	6.8	8.2	5.8
AUG						
09...	1252	.50	55	7.2	18.9	6.6
09...	1253	5.00	55	7.2	18.9	6.6
09...	1254	10.0	56	7.2	18.8	6.5
09...	1255	15.0	55	7.2	18.8	6.5
09...	1256	20.0	55	7.2	18.8	6.4
09...	1257	25.0	55	7.2	18.7	6.4
09...	1258	30.0	55	6.8	14.7	5.4
09...	1259	35.0	54	6.7	13.4	5.3
09...	1300	40.0	54	6.6	12.7	5.1
09...	1301	45.0	54	6.5	11.7	4.7

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

WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
SEP						
06...	1150	.50	49	7.8	16.9	7.2
06...	1151	5.00	49	7.8	16.9	7.2
06...	1152	10.0	48	7.9	16.8	7.1
06...	1153	15.0	48	7.7	16.7	7.0
06...	1154	20.0	48	7.7	16.7	7.0
06...	1155	25.0	48	7.7	16.6	6.9
06...	1156	30.0	48	7.5	16.4	6.8
06...	1157	35.0	48	6.7	14.1	4.5
06...	1158	40.0	47	6.5	11.8	4.0
06...	1159	45.0	47	6.5	10.9	3.7
06...	1200	50.0	47	6.4	10.4	3.5
18...	1220	.50	52	7.2	14.3	6.7
18...	1221	5.00	52	7.2	14.3	6.7
18...	1222	10.0	52	7.1	14.3	6.6
18...	1223	15.0	52	7.1	14.2	6.6
18...	1224	20.0	52	7.1	14.2	6.5
18...	1225	25.0	52	7.0	14.2	6.4
18...	1226	30.0	52	7.0	14.2	6.4
18...	1227	35.0	52	6.9	14.0	5.9
18...	1228	40.0	52	6.8	13.8	5.3
18...	1229	45.0	52	6.6	13.0	4.2
18...	1230	50.0	51	6.4	10.9	3.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
NOV							
20...	1330	176	<.007	<.007	.18	.008	--
MAY							
08...	1315	114	.036	<.007	.19	.013	<.007
JUL							
11...	1200	108	<.007	<.007	.16	.010	<.007
AUG							
09...	1310	84.0	.010	<.007	.28	.012	<.007
SEP							
06...	1215	144	<.007	<.007	.17	.009	<.007
18...	1240	120	<.007	<.007	.19	.008	<.007

THREE LAKES WATER-QUALITY STUDY--Continued

09018500 LAKE GRANBY NEAR GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°08'59", long 105°51'39", in $SW^1/_4NW^1/_4$ sec.12, T.2 N., R.76 W., Grand County, Hydrologic Unit 14010001, near Granby Dam and approximately 6 mi northeast of Granby.

DRAINAGE AREA.--312 mi^2.

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

REMARKS.--Each sample is a composite of three equally-spaced point samples of equal volume. The surface sample is collected in the depth interval from the surface to twice the secchi disk depth (photic zone approximation). The bottom sample is collected in the interval from twice the secchi depth to the reservoir bottom.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
NOV						
20...	1203	.50	48	7.1	5.7	7.4
20...	1204	5.00	48	7.1	5.6	7.4
20...	1205	10.0	47	7.1	5.5	7.4
20...	1206	15.0	47	7.1	5.4	7.4
20...	1207	20.0	47	7.1	5.4	7.4
20...	1208	25.0	48	7.1	5.3	7.4
20...	1209	30.0	47	7.1	5.3	7.3
20...	1210	35.0	48	7.1	5.3	7.3
20...	1211	40.0	48	7.1	5.3	7.3
20...	1212	45.0	48	7.1	5.3	7.2
20...	1213	50.0	48	7.1	5.3	7.2
20...	1214	55.0	48	7.1	5.2	7.2
20...	1215	60.0	48	7.1	5.1	7.3
20...	1216	65.0	48	7.1	5.1	7.3
20...	1217	70.0	48	7.1	5.1	7.2
20...	1218	75.0	48	7.1	5.1	7.3
20...	1219	80.0	48	7.1	5.0	7.3
20...	1220	85.0	48	7.1	5.0	7.3
20...	1221	90.0	48	7.1	5.0	7.3
20...	1222	100	48	7.1	5.0	7.3
20...	1223	110	48	7.1	5.0	7.3
20...	1224	120	48	7.1	5.0	7.3
20...	1225	130	48	7.1	5.0	7.3
20...	1226	140	48	7.1	5.0	7.3
20...	1227	150	48	7.1	5.0	7.3
20...	1228	160	48	7.1	5.0	7.3
JAN						
22...	1124	1.00	65	8.5	.5	13.2
22...	1125	3.00	53	7.9	.9	9.3
22...	1126	5.00	50	7.7	1.5	8.6
22...	1127	10.0	49	7.5	1.5	8.3
22...	1128	15.0	48	7.4	1.6	7.8
22...	1129	20.0	48	7.3	1.6	7.7
22...	1130	25.0	48	7.3	1.6	7.6
22...	1131	30.0	48	7.2	1.6	7.5
22...	1132	35.0	48	7.2	1.7	7.4
22...	1133	40.0	48	7.2	1.7	7.4
22...	1134	45.0	48	7.2	1.7	7.3
22...	1135	50.0	47	7.1	1.8	7.2
22...	1136	55.0	47	7.1	1.8	7.2
22...	1137	60.0	47	7.1	1.9	7.1
22...	1138	65.0	47	7.1	1.9	7.0
22...	1139	70.0	47	7.0	2.0	6.9
22...	1140	75.0	47	7.0	2.1	6.9
22...	1141	80.0	47	7.0	2.2	6.8
22...	1142	85.0	47	7.0	2.2	6.9
22...	1143	90.0	47	7.0	2.3	6.9
22...	1144	100	47	7.0	2.3	6.5
22...	1145	110	46	6.9	2.4	6.4
22...	1146	120	46	6.9	2.5	6.2
22...	1147	130	47	6.8	2.6	5.7
22...	1148	140	47	6.8	2.6	5.3
22...	1149	150	47	6.7	2.8	4.5
22...	1150	160	48	6.6	3.0	3.0
FEB						
28...	1035	1.00	61	8.5	.4	13.2
28...	1036	5.00	52	7.9	1.6	8.8
28...	1037	10.0	50	7.6	1.6	8.3
28...	1038	15.0	49	7.4	1.6	8.1
28...	1039	20.0	48	7.3	1.6	7.9
28...	1040	25.0	47	7.2	1.7	7.8
28...	1041	30.0	46	7.2	1.7	7.7
28...	1042	35.0	46	7.1	1.8	7.5
28...	1043	40.0	46	7.1	1.8	7.4
28...	1044	45.0	45	7.0	1.9	7.3
28...	1045	50.0	45	7.0	1.9	7.2
28...	1046	55.0	45	7.0	2.0	7.2
28...	1047	60.0	45	6.9	2.1	7.0
28...	1048	65.0	45	6.9	2.1	6.9
28...	1049	70.0	46	6.9	2.2	6.7
28...	1050	75.0	45	6.8	2.2	6.5

09018500 LAKE GRANBY NEAR GRANBY, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
FEB						
28...	1051	80.0	45	6.8	2.3	6.4
28...	1052	85.0	45	6.8	2.3	6.1
28...	1053	90.0	45	6.7	2.4	6.0
28...	1054	100	44	6.7	2.6	5.6
28...	1055	110	44	6.6	2.7	4.9
28...	1056	120	44	6.6	2.8	4.5
28...	1057	130	45	6.5	2.8	3.7
28...	1058	140	45	6.5	3.0	3.0
APR						
02...	1020	.50	29	7.3	.1	9.4
02...	1021	5.00	42	7.3	2.1	10.4
02...	1022	10.0	42	7.3	2.1	9.8
02...	1023	15.0	42	7.3	2.1	9.8
02...	1024	20.0	41	7.2	2.1	9.6
02...	1025	25.0	40	7.2	2.1	9.4
02...	1026	30.0	40	7.2	2.1	9.3
02...	1027	35.0	39	7.2	2.1	8.7
02...	1028	40.0	39	7.2	2.1	8.4
02...	1029	45.0	40	7.1	2.1	8.9
02...	1030	50.0	40	7.1	2.2	8.9
02...	1031	55.0	40	7.1	2.2	9.1
02...	1032	60.0	40	7.1	2.2	9.2
02...	1033	65.0	41	7.1	2.2	9.5
02...	1034	70.0	43	7.1	2.2	9.6
02...	1035	75.0	43	7.1	2.2	9.5
02...	1036	80.0	43	7.1	2.2	9.5
02...	1037	85.0	43	7.1	2.2	9.4
02...	1038	90.0	44	7.1	2.2	8.8
02...	1039	100	39	7.0	2.6	5.5
02...	1040	110	37	6.9	2.8	4.2
02...	1041	120	38	6.9	3.0	3.2
02...	1042	130	38	6.8	3.0	2.4
02...	1043	140	38	6.7	3.2	1.1
02...	1044	145	39	6.6	3.2	.6
MAY						
08...	1150	.50	51	6.9	6.2	9.1
08...	1151	5.00	51	6.9	5.0	9.2
08...	1152	10.0	51	6.9	4.7	9.3
08...	1153	15.0	51	6.9	4.7	9.2
08...	1154	20.0	51	6.9	4.6	9.2
08...	1155	25.0	51	6.9	4.6	9.1
08...	1156	30.0	51	6.9	4.6	9.0
08...	1157	35.0	51	7.0	4.5	9.0
08...	1158	40.0	51	7.0	4.5	8.9
08...	1159	45.0	51	7.0	4.5	8.9
08...	1200	50.0	51	7.0	4.5	8.9
08...	1201	55.0	51	7.0	4.5	8.9
08...	1202	60.0	51	6.9	4.5	8.9
08...	1203	65.0	51	7.0	4.5	8.9
08...	1204	70.0	51	7.0	4.5	8.9
08...	1205	75.0	51	7.0	4.5	8.9
08...	1206	80.0	51	7.0	4.5	8.8
08...	1207	85.0	51	6.9	4.4	8.9
08...	1208	90.0	51	7.0	4.4	8.8
08...	1209	100	51	7.0	4.4	8.8
08...	1210	110	50	7.0	4.4	8.8
08...	1211	120	50	6.9	4.4	8.8
08...	1212	130	51	6.9	4.4	8.8
08...	1213	140	50	6.9	4.4	8.7
08...	1214	145	50	6.9	4.4	8.7
JUN						
19...	0942	.50	57	7.4	13.5	7.7
19...	0943	5.00	55	7.4	13.0	7.8
19...	0944	10.0	55	7.4	12.8	7.8
19...	0945	15.0	54	7.4	12.8	7.8
19...	0946	20.0	54	7.4	12.8	7.7
19...	0947	25.0	54	7.4	12.8	7.7
19...	0948	30.0	53	7.3	12.3	7.6
19...	0949	35.0	55	7.2	11.6	7.6
19...	0950	40.0	58	7.1	10.6	7.4
19...	0951	45.0	58	7.0	9.4	7.1
19...	0952	50.0	53	6.9	8.1	7.0
19...	0953	55.0	53	6.8	7.6	7.1
19...	0954	60.0	54	6.8	7.4	7.0
19...	0955	65.0	53	6.8	7.0	6.9
19...	0956	70.0	53	6.8	6.9	6.9
19...	0957	75.0	53	6.8	6.8	6.8
19...	0958	80.0	53	6.8	6.7	6.9
19...	0959	85.0	53	6.8	6.7	6.8
19...	1000	90.0	53	6.7	6.6	6.9
19...	1001	100	53	6.7	6.4	6.9

THREE LAKES WATER-QUALITY STUDY--Continued

09018500 LAKE GRANBY NEAR GRANBY, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
JUN						
19...	1002	110	52	6.7	6.3	6.9
19...	1003	120	52	6.7	6.2	6.9
19...	1004	130	52	6.7	6.1	6.8
19...	1005	140	52	6.7	6.1	6.8
19...	1006	150	52	6.7	6.1	6.8
JUL						
11...	1051	.50	57	7.5	18.6	7.1
11...	1052	5.00	54	7.4	17.7	7.1
11...	1053	10.0	52	7.4	17.6	7.1
11...	1054	15.0	52	7.4	17.4	7.0
11...	1055	20.0	51	7.3	16.5	7.2
11...	1056	25.0	51	7.2	14.8	7.0
11...	1057	30.0	50	7.1	13.1	6.9
11...	1058	35.0	50	7.0	11.4	6.6
11...	1059	40.0	49	6.9	11.0	6.6
11...	1100	45.0	49	6.9	8.2	6.3
11...	1101	50.0	49	6.8	7.6	6.2
11...	1102	55.0	49	6.8	7.4	6.2
11...	1103	60.0	49	6.8	7.3	6.1
11...	1104	65.0	49	6.8	7.2	6.2
11...	1105	70.0	49	6.8	7.2	6.2
11...	1106	75.0	49	6.8	7.1	6.2
11...	1107	80.0	48	6.7	7.0	6.2
11...	1108	85.0	48	6.7	6.9	6.1
11...	1109	90.0	48	6.7	6.8	6.1
11...	1110	100	48	6.7	6.8	6.1
11...	1111	110	48	6.7	6.7	6.1
11...	1112	120	48	6.7	6.7	6.1
11...	1113	130	48	6.7	6.7	6.0
11...	1114	140	48	6.7	6.7	6.0
11...	1115	150	48	6.6	6.7	6.0
25...	0900	.50	55	7.4	18.7	6.7
25...	0901	5.00	54	7.5	18.6	6.8
25...	0902	10.0	54	7.5	18.6	6.8
25...	0903	15.0	54	7.5	18.6	6.8
25...	0904	20.0	54	7.4	18.5	6.8
25...	0905	25.0	52	7.2	16.5	6.7
25...	0906	30.0	51	7.0	14.1	6.4
25...	0907	35.0	51	6.8	12.8	6.1
25...	0908	40.0	50	6.8	11.8	6.0
25...	0909	45.0	51	6.7	10.0	5.7
25...	0910	50.0	51	6.7	8.9	5.5
25...	0911	55.0	51	6.6	8.2	5.6
25...	0912	60.0	50	6.6	7.8	5.7
25...	0913	65.0	50	6.6	7.4	5.6
25...	0914	70.0	50	6.6	7.4	5.6
25...	0915	75.0	50	6.6	7.2	5.6
25...	0916	80.0	50	6.6	7.2	5.5
25...	0917	85.0	50	6.6	7.0	5.5
25...	0918	90.0	50	6.6	7.0	5.5
25...	0919	100	50	6.6	6.9	5.5
25...	0920	110	50	6.6	6.9	5.5
25...	0921	120	50	6.5	6.8	5.4
25...	0922	130	50	6.6	6.8	5.4
25...	0923	140	50	6.6	6.8	5.4
25...	0924	150	50	6.5	6.8	5.4
25...	0925	160	50	6.5	6.7	5.2

THREE LAKES WATER-QUALITY STUDY--Continued

09018500 LAKE GRANBY NEAR GRANBY, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
AUG						
09...	1151	.50	54	7.2	18.4	6.6
09...	1152	5.00	54	7.2	18.4	6.6
09...	1153	10.0	54	7.2	18.4	6.6
09...	1154	15.0	54	7.2	18.4	6.5
09...	1155	20.0	54	7.2	18.4	6.5
09...	1156	25.0	54	7.2	18.4	6.5
09...	1157	30.0	53	6.9	15.8	6.0
09...	1158	35.0	52	6.7	12.9	5.6
09...	1159	40.0	52	6.6	11.8	5.4
09...	1200	45.0	52	6.6	10.3	5.3
09...	1201	50.0	52	6.5	9.8	5.1
09...	1202	55.0	52	6.5	8.7	5.0
09...	1203	60.0	52	6.5	8.3	5.1
09...	1204	65.0	52	6.5	7.8	4.9
09...	1205	70.0	51	6.5	7.5	5.2
09...	1206	75.0	51	6.5	7.2	5.1
09...	1207	80.0	51	6.5	7.1	5.1
09...	1208	85.0	51	6.5	7.1	5.1
09...	1209	90.0	51	6.5	7.1	5.1
09...	1210	100	51	6.5	7.0	5.1
09...	1211	110	51	6.5	7.0	5.0
09...	1212	120	51	6.5	6.9	5.0
09...	1213	130	51	6.5	6.9	4.9
09...	1214	140	51	6.5	6.8	4.8
09...	1215	150	51	6.4	6.8	4.8
09...	1216	155	51	6.4	6.8	4.8
21...	0948	.50	54	7.5	17.3	7.1
21...	0949	5.00	54	7.6	17.3	7.1
21...	0950	10.0	53	7.5	17.3	7.1
21...	0951	15.0	53	7.5	17.3	7.1
21...	0952	20.0	53	7.5	17.3	7.0
21...	0953	25.0	53	7.5	17.2	7.0
21...	0954	30.0	54	7.0	16.7	6.2
21...	0955	35.0	52	6.8	14.8	5.3
21...	0956	40.0	52	6.6	12.6	5.1
21...	0957	45.0	51	6.6	9.9	5.1
21...	0958	50.0	51	6.5	9.1	4.9
21...	0959	55.0	51	6.5	7.9	4.8
21...	1000	60.0	51	6.5	7.7	4.8
21...	1001	65.0	50	6.5	7.5	4.8
21...	1002	70.0	50	6.5	7.4	4.7
21...	1003	75.0	50	6.5	7.4	4.7
21...	1004	80.0	50	6.5	7.3	4.6
21...	1005	85.0	50	6.5	7.2	4.6
21...	1006	90.0	50	6.4	7.2	4.6
21...	1007	100	50	6.4	7.1	4.6
21...	1008	110	50	6.4	7.0	4.5
21...	1009	120	50	6.4	7.0	4.5
21...	1010	130	50	6.4	7.0	4.5
21...	1011	140	50	6.4	7.0	4.5
21...	1012	150	50	6.4	6.9	4.4

THREE LAKES WATER-QUALITY STUDY--Continued

09018500 LAKE GRANBY NEAR GRANBY, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
SEP						
06...	1100	.50	48	7.8	17.0	7.3
06...	1101	5.00	48	7.8	16.9	7.2
06...	1102	10.0	48	7.8	16.8	7.2
06...	1103	15.0	48	7.8	16.7	7.2
06...	1104	20.0	48	7.8	16.7	7.1
06...	1105	25.0	48	7.8	16.7	7.0
06...	1106	30.0	47	7.1	16.0	6.1
06...	1107	35.0	47	7.0	15.6	5.7
06...	1108	40.0	46	6.7	13.4	4.6
06...	1109	45.0	46	6.6	10.9	4.4
06...	1110	50.0	45	6.6	10.1	4.4
06...	1111	55.0	45	6.5	8.1	4.4
06...	1112	60.0	45	6.5	7.8	4.2
06...	1113	65.0	45	6.5	7.6	4.2
06...	1114	70.0	45	6.5	7.5	4.2
06...	1115	75.0	45	6.5	7.4	4.1
06...	1116	80.0	45	6.5	7.4	4.1
06...	1117	85.0	45	6.5	7.2	4.1
06...	1118	90.0	45	6.5	7.2	4.1
06...	1119	100	45	6.5	7.1	4.0
06...	1120	110	45	6.5	7.0	3.9
06...	1121	120	45	6.5	7.0	3.7
06...	1122	130	45	6.5	7.0	3.7
06...	1123	140	45	6.5	7.0	3.4
18...	1120	.50	51	7.3	14.3	6.8
18...	1121	5.00	51	7.2	14.3	6.8
18...	1122	10.0	53	7.2	14.3	6.8
18...	1123	15.0	51	7.2	14.3	6.7
18...	1124	20.0	51	7.2	14.3	6.7
18...	1125	25.0	51	7.2	14.3	6.6
18...	1126	30.0	51	7.2	14.3	6.6
18...	1127	35.0	51	7.2	14.3	6.6
18...	1128	40.0	51	7.1	14.3	6.6
18...	1129	45.0	51	6.7	11.8	4.0
18...	1130	50.0	51	6.5	10.2	3.7
18...	1131	55.0	50	6.4	9.2	3.6
18...	1132	60.0	50	6.4	8.3	3.9
18...	1133	65.0	50	6.4	7.8	3.8
18...	1134	70.0	50	6.4	7.6	3.6
18...	1135	75.0	50	6.4	7.5	3.7
18...	1136	80.0	49	6.4	7.4	3.6
18...	1137	85.0	49	6.4	7.4	3.6
18...	1138	90.0	49	6.4	7.3	3.6
18...	1139	100	49	6.4	7.2	3.5
18...	1140	110	49	6.3	7.2	3.4
18...	1141	120	49	6.3	7.1	3.4
18...	1142	130	49	6.3	7.1	3.2

THREE LAKES WATER-QUALITY STUDY--Continued

09018500 LAKE GRANBY NEAR GRANBY, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV							
20...	1240	204	<.007	<.007	.18	.008	--
20...	1300	--	<.007	<.007	.15	.008	--
JAN							
22...	1230	--	<.007	<.007	.16	.008	--
22...	1245	--	.012	.011	.13	.007	--
FEB							
28...	1115	--	<.007	<.007	.18	.006	--
28...	1145	--	<.007	.099	.15	.018	--
APR							
02...	1115	--	<.007	<.007	.17	.006	--
02...	1125	--	.010	.056	.17	.014	--
MAY							
08...	1220	132	<.007	<.007	.18	.012	<.007
08...	1230	--	<.007	<.007	.17	.011	<.007
JUN							
19...	1015	138	<.007	<.007	.16	.013	<.007
19...	1030	--	<.007	<.007	.16	.009	<.007
JUL							
11...	1125	108	.012	<.007	.19	.011	<.007
11...	1140	--	<.007	<.007	.12	.011	<.007
25...	0945	168	--	--	.18	.006	<.007
25...	1000	--	--	--	.16	.007	<.007
AUG							
09...	1220	186	.018	<.007	.20	.013	<.007
09...	1230	--	.016	.022	.22	.011	<.007
21...	1020	126	<.007	<.007	.17	.008	<.007
21...	1035	--	<.007	.032	.17	.013	<.007
SEP							
06...	1130	168	<.007	<.007	.16	.009	<.007
06...	1145	--	<.007	.044	.14	.012	.016
18...	1145	138	<.007	<.007	.17	.005	E.004
18...	1200	--	<.007	.050	.17	.011	.007

E Estimated laboratory analysis value.

THREE LAKES WATER-QUALITY STUDY--Continued

400806105474700 LAKE GRANBY (EAST) NEAR GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°08'06", long 105°47'47", in $SW^1/_4NE^1/_4$ sec.16, T.2 N., R.75 W., Grand County, Hydrologic Unit 14010001, near McDonald Cove in Arapaho Bay, approximately 8 mi east northeast of Granby.

DRAINAGE AREA.--312 mi^2.

PERIOD OF RECORD.--November 2000 to September 2001.

REMARKS.--Each sample is a composite of three equally-spaced point samples of equal volume. The surface sample is collected in the depth interval from the surface to twice the secchi disk depth (photic zone approximation.) The bottom sample is collected in the interval from twice the secchi depth to the reservoir bottom.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
NOV						
20...	1023	.50	48	7.2	5.4	7.4
20...	1024	5.00	48	7.2	5.3	7.4
20...	1025	10.0	47	7.2	5.3	7.3
20...	1026	15.0	47	7.2	5.3	7.3
20...	1027	20.0	47	7.2	5.3	7.3
20...	1028	25.0	47	7.2	5.3	7.4
20...	1029	30.0	47	7.2	5.3	7.3
20...	1030	35.0	47	7.2	5.3	7.3
20...	1031	40.0	47	7.2	5.3	7.3
20...	1032	45.0	47	7.2	5.3	7.3
20...	1033	50.0	47	7.2	5.3	7.3
20...	1034	55.0	47	7.2	5.3	7.3
20...	1035	60.0	47	7.2	5.3	7.3
20...	1036	65.0	47	7.2	5.3	7.3
20...	1037	70.0	47	7.2	5.2	7.3
20...	1038	75.0	47	7.2	5.2	7.3
20...	1039	80.0	47	7.2	5.2	7.3
MAY						
08...	1050	.50	51	6.8	5.0	9.2
08...	1051	5.00	50	6.9	4.6	9.4
08...	1052	10.0	50	6.9	4.6	9.5
08...	1053	15.0	50	6.9	4.5	9.6
08...	1054	20.0	50	6.9	4.5	9.6
08...	1055	25.0	50	6.9	4.5	9.7
08...	1056	30.0	50	6.9	4.5	9.7
08...	1057	35.0	50	6.9	4.5	9.6
08...	1058	40.0	50	6.9	4.5	9.6
08...	1059	45.0	50	6.9	4.5	9.6
08...	1100	50.0	50	6.9	4.5	9.4
08...	1101	55.0	50	6.9	4.5	9.4
08...	1102	60.0	50	6.9	4.5	9.2
08...	1103	65.0	50	6.9	4.4	9.0
JUL						
11...	1003	.50	57	7.5	17.4	7.4
11...	1004	5.00	56	7.5	17.0	7.4
11...	1005	10.0	56	7.5	16.9	7.4
11...	1006	15.0	56	7.4	16.8	7.4
11...	1007	20.0	54	7.4	16.3	7.5
11...	1008	25.0	54	7.3	15.9	7.5
11...	1009	30.0	53	7.2	14.0	7.4
11...	1010	35.0	50	7.1	13.2	7.1
11...	1011	40.0	48	7.0	11.8	6.7
11...	1012	45.0	48	7.0	11.3	6.6
11...	1013	50.0	48	6.9	10.3	6.4
11...	1014	55.0	48	6.9	9.7	6.4
11...	1015	60.0	48	6.9	9.3	6.4
11...	1016	65.0	48	6.8	7.7	6.3
11...	1017	70.0	48	6.8	7.5	6.2
11...	1018	75.0	48	6.8	7.4	6.0
AUG						
09...	1049	.50	54	7.1	18.1	6.8
09...	1050	5.00	54	7.2	18.1	6.8
09...	1051	10.0	54	7.2	18.1	6.8
09...	1052	15.0	54	7.2	18.1	6.8
09...	1053	20.0	54	7.2	18.1	6.7
09...	1054	25.0	54	7.2	18.0	6.7
09...	1055	30.0	50	7.0	16.9	6.3
09...	1056	35.0	51	6.7	12.9	5.7
09...	1057	40.0	51	6.6	11.6	5.5
09...	1058	45.0	51	6.6	9.9	5.4
09...	1059	50.0	51	6.6	8.7	5.4
09...	1100	55.0	51	6.5	8.1	5.6
09...	1101	60.0	51	6.5	7.8	5.5
09...	1102	65.0	51	6.5	7.5	5.2
09...	1103	70.0	51	6.5	7.3	5.2
09...	1104	75.0	51	6.5	7.2	5.0

THREE LAKES WATER-QUALITY STUDY--Continued

400806105474700 LAKE GRANBY (EAST) NEAR GRANBY, CO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)
SEP						
06...	1020	.50	48	7.9	17.0	7.3
06...	1021	5.00	48	8.0	16.9	7.2
06...	1022	10.0	48	8.0	16.9	7.1
06...	1023	15.0	48	7.9	16.8	7.2
06...	1024	20.0	48	7.9	16.8	7.2
06...	1025	25.0	47	7.8	16.7	7.0
06...	1026	30.0	47	7.4	16.4	6.6
06...	1027	35.0	46	7.0	15.5	5.6
06...	1028	40.0	46	6.8	12.5	4.6
06...	1029	45.0	45	6.7	10.2	4.6
06...	1030	50.0	45	6.7	9.4	4.4
06...	1031	55.0	45	6.6	8.8	4.0
06...	1032	60.0	45	6.6	8.2	3.8
06...	1033	65.0	45	6.6	7.8	4.0
18...	1025	.50	51	7.2	14.4	6.9
18...	1026	5.00	51	7.2	14.4	6.9
18...	1027	10.0	51	7.2	14.4	6.9
18...	1028	15.0	51	7.2	14.4	6.9
18...	1029	20.0	51	7.2	14.4	6.9
18...	1030	25.0	51	7.2	14.4	6.8
18...	1031	30.0	51	7.2	14.4	6.8
18...	1032	35.0	51	7.2	14.4	6.8
18...	1033	40.0	50	7.1	14.3	6.7
18...	1034	45.0	49	6.7	12.7	5.3
18...	1035	50.0	49	6.4	10.6	3.8
18...	1036	55.0	49	6.4	9.6	3.7
18...	1037	60.0	49	6.3	8.9	3.4
18...	1038	65.0	49	6.3	8.0	3.4

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
NOV							
20...	1045	216	.026	<.007	.17	.009	--
20...	1100	--	.007	<.007	.16	.009	--
MAY							
08...	1110	168	<.007	<.007	.17	.012	<.007
08...	1125	--	<.007	<.007	.23	.012	<.007
JUL							
11...	1025	144	<.007	<.007	.16	.008	<.007
11...	1040	--	<.007	<.007	.14	.009	<.007
AUG							
09...	1110	168	<.007	<.007	.20	.012	<.007
09...	1120	--	.010	.007	E.06	.005	<.007
SEP							
06...	1040	174	<.007	<.007	.15	.008	<.007
06...	1055	--	<.007	.031	.16	.010	<.007
18...	1045	144	<.007	<.007	.17	.007	<.007
18...	1100	--	<.007	.021	.15	.010	<.007

E Estimated laboratory analysis value.

THREE LAKES WATER-QUALITY STUDY--Continued

09019000 COLORADO RIVER BELOW LAKE GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°08'39", long 105°52'00", in $SE^1/_4SE^1/_4$ sec.11, T.2 N., R.76 W., 0.3 mi downstream from Granby Dam, 1 mi upstream from Walden hollow, and 6 mi northeast of Granby.

DRAINAGE AREA.--312 mi^2.

PERIOD OF RECORD.--November 2000 to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV											
22...	0840	21	54	8.4	5.0	9.9	<.007	<.007	.20	.008	--
JAN											
24...	1200	20	53	8.2	3.0	10.0	.007	.014	.16	.009	--
APR											
11...	1300	21	57	8.1	4.5	10.2	<.007	<.007	.16	.009	--
MAY											
09...	1245	64	53	8.0	5.5	9.8	.029	<.007	.22	.012	<.007
JUN											
13...	1615	74	58	7.8	7.0	9.0	.007	<.007	.15	.011	<.007
AUG											
30...	0900	28	53	7.8	8.0	8.8	<.007	.034	.14	.010	<.007

WINTER PARK SYNOPTIC

A network of surface water-quality sites has been established in the Fraser River basin as an aid in determining long term trends. In water year 2001, a synoptic sampling effort was initiated to include several additional sites on the Pole Creek and Tenmile Creek tributaries, as well as the long term sites that have been regularly sampled in the basin, which are published elsewhere in this report.

395838105560800 POLE CREEK TRIBUTARY BELOW YMCA RESERVOIR NEAR TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°58'38", long 105°56'08", NE$^{1}/_{4}$NW$^{1}/_{4}$ sec.7, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, 200 ft. downstream of YMCA reservoir, approximately 6 mi upstream from confluence with the Fraser River, and 5 mi west of Tabernash.

PERIOD OF RECORD.--August 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
AUG 14...	1120	.01	230	7.8	8.3	5.1	E1	1.1	<10	.001	.006	.447	.231

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
AUG 14...	.089	.072

E Estimated laboratory analysis value.

WINTER PARK SYNOPTIC--Continued

395848105563300 POLE CREEK ABOVE YMCA CAMP NEAR TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°58'48", long 105°56'33", NW$^{1}/_{4}$NW$^{1}/_{4}$ sec.7, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, at upstream end of YMCA camp, approximately 6 mi upstream from confluence with the Fraser River, and 5 mi west of Tabernash.

PERIOD OF RECORD.--August 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (COL/ 100 ML) (31633)	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)
AUG													
14...	1210	.78	89	7.8	13.0	7.2	24	21	.1	<10	<.001	.005	.006

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)
AUG			
14...	.110	.043	.038

WINTER PARK SYNOPTIC--Continued

395858105544700 POLE CREEK ABOVE GOLF COURSE NEAR TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°58'58", long 105°54'47", SW$^{1}/_{4}$SE$^{1}/_{4}$ sec.5, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, at downstream end of YMCA camp, approximately 4.5 mi upstream from confluence with the Fraser River, and 4 mi west of Tabernash.

PERIOD OF RECORD.--August 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (COL/ 100 ML) (31633)	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)
AUG													
14...	1420	.59	276	8.1	13.4	8.0	10	E8	4.9	<10	<.001	.010	.006

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)
AUG			
14...	.061	.024	.019

E Estimated laboratory analysis value.

WINTER PARK SYNOPTIC--Continued

395902105522100 POLE CREEK ABOVE SKUNK CREEK NEAR TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°59'02", long 105°52'21", SE$^{1}/_{4}$SE$^{1}/_{4}$ sec.3, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, on county road, 0.25 mi upstream from confluence with the Skunk Creek, and 1.5 mi west of Tabernash.

PERIOD OF RECORD.--August 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (COL/ 100 ML) (31633)	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)
AUG 14...	1530	.30	253	8.8	16.0	9.4	<1	<1	2.9	<10	<.001	<.005	.003

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)
AUG 14...	.058	.038	.031

WINTER PARK SYNOPTIC--Continued

395857105521000 SKUNK CREEK AT MOUTH NEAR TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 39°58'57", long 105°52'10", SE$^{1}/_{4}$SE$^{1}/_{4}$ sec.3, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, on county road approximately 1,000 ft upstream from confluence with the Pole Creek, and 1.5 mi west of Tabernash.

PERIOD OF RECORD.--August 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (COL/ 100 ML) (31633)	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)
AUG													
14...	1610	.30	348	8.1	12.5	7.5	<1	<1	2.2	<10	<.001	.025	.006

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)
AUG			
14...	.041	.019	.016

WINTER PARK SYNOPTIC--Continued

400014105545100 TENMILE CREEK TRIBUTARY AT US HWY 40 NEAR TABERNASH, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°00'14", long 105°54'51", NW$^{1}/_{4}$SW$^{1}/_{4}$ sec. 33, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, on downstream side of Hwy 40 culvert, and 4 mi west of Tabernash.

PERIOD OF RECORD.--August 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
AUG													
15...	0830	e.10	292	8.2	8.0	7.7	6.4	11	<.001	.009	.015	.115	.074

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
AUG	
15...	.065

e Estimated.

WINTER PARK SYNOPTIC--Continued

400147105562200 NINEMILE CREEK ABOVE MOUTH NEAR GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°01'47", long 105°56'22", SW$^{1}/_{4}$SE$^{1}/_{4}$ sec. 19, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, on downstream side of Hwy 40 bridge, approximately 1800 ft upstream from the confluence with Tenmile Creek, and 4 mi south of Granby.

PERIOD OF RECORD.--August 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
AUG													
15...	0940	1.2	267	8.3	11.5	7.2	>120	1.1	10	.001	.038	.009	.130

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
AUG		
15...	.065	.054

WINTER PARK SYNOPTIC--Continued

400150105560000 TENMILE CREEK ABOVE NINEMILE CREEK NEAR GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°01'50", long 105°56'00", SE$^{1}/_{4}$SE$^{1}/_{4}$ sec. 19, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, approximately 100 ft upstream from the confluence with Ninemile Creek, and 4 mi south of Granby.

PERIOD OF RECORD.--August 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
AUG													
15...	1100	.72	262	8.5	12.0	8.1	180	4.5	68	.001	.118	.007	.194

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
AUG		
15...	.095	.081

WINTER PARK SYNOPTIC--Continued

400202105555500 TENMILE CREEK TRIBUTARY BELOW NINEMILE CREEK NEAR GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°02'02", long 105°55'55", NE$^{1}/_{4}$SE$^{1}/_{4}$ sec. 19, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, approximately 500 ft upstream from the confluence with Tenmile Creek, and 3.5 mi south of Granby.

PERIOD OF RECORD.--August 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
AUG													
15...	1130	2.5	341	8.1	15.0	7.1	140	2.9	<10	<.001	.007	.012	.180

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
AUG		
15...	.085	.068

WINTER PARK SYNOPTIC--Continued

400230105560800 EIGHTMILE CREEK AT MOUTH NEAR GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°02'30", long 105°56'08", NW$^{1}/_{4}$NE$^{1}/_{4}$ sec. 19, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, on upstream side of Hwy 40 bridge, approximately 200 ft upstream from confluence with Tenmile Creek, and 3 mi south of Granby.

PERIOD OF RECORD.--August 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (COL/ 100 ML) (31633)	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)
AUG 15...	1400	.20	415	8.7	19.5	6.7	120	40	2.5	12	.001	.006	.006

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)
AUG 15...	.120	.059	.045

WINTER PARK SYNOPTIC--Continued

400233105560700 TENMILE CREEK BELOW EIGHTMILE CREEK NEAR GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°02'33", long 105°56'07", SW$^{1}/_{4}$SE$^{1}/_{4}$ sec. 18, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, approximately 200 ft downstream from confluence with Eightmile Creek, and 3 mi south of Granby.

PERIOD OF RECORD.--August 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (COL/ 100 ML) (31633)	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)
AUG													
15...	1415	2.6	358	8.2	17.5	6.6	110	E39	3.2	15	.001	.007	.007

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)
AUG			
15...	.238	.112	.091

E Estimated laboratory analysis value.

WINTER PARK SYNOPTIC--Continued

400433105560600 TENMILE CREEK ABOVE MOUTH NEAR GRANBY, CO

WATER-QUALITY RECORDS

LOCATION.--Lat 40°04'33", long 105°56'06", NE$^{1}/_{4}$NW$^{1}/_{4}$ sec. 1, T.1 S., R.76 W., Grand County, Hydrologic Unit 14010001, 200 ft upstream from confluence with the Fraser River, and 1 mi southwest of Granby.

PERIOD OF RECORD.--August 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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, MTEC MF WATER (COL/ 100 ML) (31633)	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)
AUG													
15...	1630	3.3	291	8.1	17.5	7.8	40	E39	5.1	<10	<.001	.005	<.002

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)
AUG			
15...	.170	.024	.015

E Estimated laboratory analysis value.

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, suspended sediment, stream habitat, algal community and biomass, and macroinvertebrate community sampling survey during August 13-17, 2001. 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.

09065500 GORE CREEK AT UPPER STATION, NEAR MINTURN, CO

WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
AUG 14...	1150	14	63	7.8	10.9	7.8	28.6	6.61	2.94	.8	.069	.31	37

DATE	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)	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)
AUG 14...	30	2.9	.1	.2	3.2	35.5	.05	1.3	<.001	.082	.009	.111	E.08

DATE	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)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
AUG 14...	.12	E.002	<.006	<.007	10	<3.0

E Estimated laboratory analysis value.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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 14...	1150	14	10.9	.4	.02

09067200 LAKE CREEK NEAR EDWARDS, CO

WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
AUG 13...	1625	50	256	8.2	13.4	8.1	117	35.8	6.75	2.8	.111	.81	77

DATE	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)	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)
AUG 13...	63	51.3	2.9	<.2	5.8	144	.2	19	<.001	.074	<.002	E.07	E.06

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)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
AUG 13...	.006	E.003	<.007	1.1	<10	<3.0

E Estimated laboratory analysis value.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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 13...	1625	50	13.4	3	.36

EAGLE RIVER WATERSHED SYNOPTIC SAMPLING--Continued
(Eagle River Watershed Retrospective Assessment Program)

393851106503400 BRUSH CREEK AT MOUTH NEAR EAGLE, CO

WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
AUG 13...	1200	21	991	8.3	16.2	8.5	466	150	22.3	28.5	.574	3.18	195

DATE	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)	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)
AUG 13...	160	318	36.0	E.1	9.9	664	.90	37	<.001	.014	.054	.113	.11

DATE	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)	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)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
AUG 13...	.17	.017	.007	<.007	1.6	<.10	<.8	3.1	100	E6	<.08	21	13.1

DATE	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)
AUG 13...	<.01	<.06	.4	<1.0	<20

E Estimated laboratory analysis value.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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 13...	1200	21	16.2	10	.54

EAGLE RIVER WATERSHED SYNOPTIC SAMPLING--Continued
(Eagle River Watershed Retrospective Assessment Program)

393845106353000 EAGLE RIVER AT EDWARDS, CO

WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
AUG 14...	0820	188	274	8.1	13.9	8.1	118	33.3	8.54	4.6	.184	.89	98

DATE	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)	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)
AUG 14...	80	45.6	5.3	E.1	5.0	153	.2	78	.003	.409	.012	.122	.17

DATE	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)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
AUG 14...	.13	.044	.035	.028	1.6	80	16.8

E Estimated laboratory analysis value.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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 14...	0820	188	13.9	4	2.1

EAGLE RIVER WATERSHED SYNOPTIC SAMPLING--Continued
(Eagle River Watershed Retrospective Assessment Program)

393858106570900 GYPSUM CREEK AT MOUTH

WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
AUG 13...	1340	7.4	1190	8.2	15.3	6.8	668	217	30.6	7.7	.130	3.20	281

DATE	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)	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)
AUG 13...	230	445	4.4	.2	15.3	865	1.2	17	.002	.619	.107	.001	.25

DATE	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)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
AUG 13...	.11	.043	.009	E.005	1.5	<10	20.2

E Estimated laboratory analysis value.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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 13...	1340	7.4	15.3	71	1.4

393030106224700 EAGLE RIVER BELOW HOMESTAKE CREEK NEAR RED CLIFF, CO

WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
AUG 14...	1440	71	140	8.5	13.5	8.0	68.0	16.8	6.35	1.7	.088	.66	70

DATE	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)	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)
AUG 14...	7	69	5.6	.6	<.2	5.6	78.8	.1	15	.001	.010	<.002	.13

DATE	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)	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)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
AUG 14...	E.07	.005	<.006	<.007	2.1	<.10	<.8	.9	340	180	.12	22	10.6

DATE	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)
AUG 14...	<.06	<.3	<1.0	<20

E Estimated laboratory analysis value.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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 14...	1440	71	13.5	2	.46

PERIPHYTON ANALYSIS

09063000 EAGLE RIVER AT RED CLIFF, CO (LAT 39 30 30N LONG 106 22 36W)

Date: 8/16/01 Time: 0830

Organisms			Density	Biovolume
Chlorophyta				
Desmidiaceae				
Closterium	*moniliferum*		745	88557668
Chrysophyta				
Achnanthacea				
Achnanthes	*biasolettian*		3304	417459
	lanceolata	*dubia*	619	49840
	lanceolata		826	113139
	minutissima		78669	4265488
Cocconeis	*pediculus*		1032	3222715
	placentula	*lineata*	10118	10669839
	placentula	*euglypta*	619	368064
Diatomaceae				
Fragilaria	*brevistriata*	*inflata*	413	52137
	construens	*pumila*	5162	619980
	construens	*venter*	1032	102037
	leptostauron		2478	1210209
	pinnata		1652	159515
	vaucheriae		826	162715
Hannaea	*arcus*		1239	2484136
Naviculaceae				
Amphipleura	*pellucida*		619	481923
Amphora	*pediculus*		1032	99818
Caloneis	*bacillum*		413	177641
Cymbella	*brehmii*		3097	85394
	microcephala		826	52565
	minuta	*silesiaca*	5368	2549730
	minuta		2065	445652
Gomphonema	*minutum*		1652	134963
	olivaceum		206	78243
Navicula	*cryptocephala*	*veneta*	2065	455870
	cryptocephala		1239	453976
	cryptotenella		1858	493609
	soehrensis	*hassiaca*	413	3097606
	tripunctata		3717	3379660
Reimeria	*sinuata*		2065	348000
Nitzschiaceae				
Nitzschia	*agnita*		413	41442
	dissipata		413	106475
	fonticola		413	41079
	frustulum	*perminuta*	826	44604
	lacuum		413	4837402
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		199693	3437440
Oscillatoria				
Oscillatoria	*sp. 1 ANS*		143063	2122424
Rhodophyta				
Chantransiac				
Audouinella	*violacea*		418013	2675488317
		Total Density		898617
		Total Biovolume		2810908776
		Chlorophyll *a*, UG/L (70957)		12.5
		Biomass, Ash Weight, g/sq. m (00572)		136.5
		Biomass, Total, Dry Weight, g/sq. m (00573)		143.7

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

09065500 GORE CREEK AT UPPER STATION, NEAR MINTURN, CO (LAT 39 37 40N LONG 106 16 24W)

Date: 8/14/01 Time: 1530

Organisms			Density	Biovolume
Chrysophyta				
Achnanthaceae				
Achnanthes	*biasolettian*		936	118300
	minutissima		26430	1433038
Cocconeis	*placentula*	*euglypta*	72	42791
	placentula	*lineata*	4897	5164383
Eucocconeis	*laevis*		72	107519
Diatomaceae				
Fragilaria	*vaucheriae*		1224	241193
Hannaea	*arcus*		72	144402
Naviculaceae				
Cymbella	*brehmii*		576	15885
	minuta	*silesiaca*	936	444644
Didymosphenia	*geminata*		72	4405904
Gomphonema	*olivaceoides*		720	108430
	pumilum		3961	864448
Reimeria	*sinuata*		3529	594734
Nitzschiaceae				
Nitzschia	*dissipata*		72	18568
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		452433	7788033
Oscillatoria				
Hydrocoleum	*brebissonii*		9014	873986
Oscillatoria	*sp.1 ANS*		24038	356620
Rhodophyta				
Chantransiac				
Audouinella	*violacea*		13092	83796693
	Total Density			542147
	Total Biovolume			106519570
	Chlorophyll *a*, UG/L (70957)			2.9
	Biomass, Ash Weight, g/sq. m (00572)			100.4
	Biomass, Total, Dry Weight, g/sq. m (00573)			103.1

*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: 8/17/01 Time: 0900

Organisms			Density	Biovolume
Chlorophyta				
Ulvaceae				
Schizomeris	*leibleinii*		3445	292849
Chrysophyta				
Achnanthacea				
Achnanthes	*biasolettian*		1122	141787
	lanceolata		210	28820
	minutissima		14096	764299
Cocconeis	*placentula*	*euglypta*	5260	3125263
	placentula	*lineata*	3226	3402071
	placentula	*pseudolineata*	70	139358
Diatomaceae				
Diatoma	*vulgare*		210	777368
Fragilaria	*construens*	*pumila*	70	8423
	pinnata		70	6772
	vaucheriae		1473	290143
Hannaea	*arcus*		491	984342
Meridion	*circulare*		140	91034
Synedra	*ulna*		281	1708027
Naviculaceae				
Amphipleura	*pellucida*		70	54561
Cymbella	*affinis*		842	428309
	brehmii		140	3867
	minuta	*silesiaca*	10379	4929539
Gomphonema	*minutum*		70	5730
	olivaceoides		421	63355
	olivaceum		1262	478346
	pumilum		140	30611
Navicula	*cryptocephala*	*veneta*	140	30967
	cryptocephala		140	51397
	cryptotenella		140	37256
	ignota	*acceptata*	140	14398
	incerta		210	12530
	minima		140	6313
	minuscula		140	11670
	secreta	*apiculata*	70	17600
	tripunctata		421	382627
Reimeria	*sinuata*		421	70918
Nitzschiacea				
Nitzschia	*dissipata*		70	18082
	frustulum	*perminuta*	491	26512
	supralitorea		70	5624
	tubicola		140	45771
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		616132	10605889
Oscillatoriaceae				
Oscillatoria	*sp.1 ANS*		24978	370567
Rhodophyta				
Chantransiac				
Audouinella	*violacea*		5742	36752528
	Total Density			693077
	Total Biovolume			66215520
	Chlorophyll *a*, UG/L (70957)			3.0
	Biomass, Ash Weight, g/sq. m (00572)			156.1
	Biomass, Total, Dry Weight, g/sq. m (00573)			159.0

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

09066510 GORE CREEK AT MOUTH, NEAR MINTURN, CO (LAT 39 36 34N LONG 106 26 50W)

Date: 8/16/01 Time: 1700

Organisms			Density	Biovolume
Chlorophyta				
Chaetophoraceae				
Stigeocloniu	*lubricum*		12360	21860534
Scenedesmaceae				
Scenedesmus	*ecornis*		4944	115111
Chrysophyta				
Achnanthacea				
Achnanthes	*biasolettian*		37683	4761747
	lanceolata		856	117320
	minutissima		56525	3064839
Cocconeis	*placentula*	*euglypta*	2569	1526662
	placentula	*lineata*	5139	5419173
Diatomaceae				
Diatoma	*vulgare*		5995	22151333
Fragilaria	*vaucheriae*		6852	1349828
Naviculaceae				
Amphora	*pediculus*		3426	331223
Caloneis	*bacillum*		1713	736824
Cymbella	*brehmii*		11990	330586
	minuta		20555	4436367
	minuta	*silesiaca*	164436	78098394
Gomphonema	*minutum*		10277	839707
	olicvaceum		2569	973615
Navicula	*atomus*		856	24593
	cryptocephala		856	189087
	incerta		4282	255031
	secreta	*apiculata*	1713	429867
	tripunctata		8564	7787904
Reimeria	*sinuata*		48817	8227611
Nitzschiacea				
Nitzschia	*fonticola*		120758	12012494
	inconspicua		3426	120644
	paleacea		1713	89324
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		4770777	82122520
Oscillatoria				
Hydrocoleum	*brebissonii*		456067	44218007
Oscillatoria	*sp.1 ANS*		79101	1173507
Rhodophyta				
Chantransiac				
Audouinella	*violacea*		8652	55374886
	Total Density			5853471
	Total Biovolume			358138740
	Chlorophyll *a*, UG/L (70957)			40.2
	Biomass, Ash Weight, g/sq. m (00572)			206.9
	Biomass, Total, Dry Weight, g/sq. m (00573)			217.6

*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: 8/16/01 Time: 1100

Organisms			Density	Biovolume
Chlorophyta				
Chlamydomonadaceae				
Chlamydomonas	*sp.*		1038	2053973
Chrysophyta				
Achnanthacea				
Achnanthes	*biasolettian*		594	75108
	lanceolata		594	81443
	minutissima		14503	786369
Cocconeis	*placentula*	*lineata*	238	250735
Diatomaceae				
Diatoma	*moniliformis*		238	43391
Fragilaria	*construens*		594	115028
	construens	*pumila*	1427	171333
	leptostauron		713	348380
	pinnata		476	45919
	vaucheriae		5231	1030490
Synedra	*rumpens*		1664	199983
	ulna	*contracta*	1783	3022312
Melosiraceae				
Melosira	*varians*		2853	14744783
Naviculaceae				
Amphora	*pediculus*		357	34481
Cymbella	*brehmii*		356	9833
	minuta		1545	333551
	minuta	*silesiaca*	38397	18236689
Gomphonema	*minutum*		476	38852
Navicula	*bryophila*		238	10142
	minuscula		119	9891
	tripunctata		713	648596
Reimeria	*sinuata*		2378	400711
Nitzschiacea				
Nitzschia	*dissipata*		713	183904
	fonticula		4636	461191
	linearis		238	686370
	paleacea		1427	74391
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		1025295	17649077
Calothrix	*parientina*		4670	379333
Oscillatoria				
Hydrocoleum	*brebissonii*		10896	1056458
Oscillatoria	*sp.1 ANS*		31651	469565
Rhodophyta				
Chantransiacea				
Audouinella	*violacea*		1557	9963138

Total Density	1157608
Total Biovolume	73615401
Chlorophyll *a*, UG/L (70957)	8.5
Biomass, Ash Weight, g/sq. m (00572)	150.0
Biomass, Total, Dry Weight, g/sq. m (00573)	154.6

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

09067200 LAKE CREEK NEAR EDWARDS, CO (LAT 39 38 51N LONG 106 36 31W)

Date: 8/15/01 Time: 1530

Organisms			Density	Biovolume
Chlorophyta				
Chaetophoraceae				
Stigeoclonium	*lubricum*		11877	21007657
Chlamydomonadaceae				
Chlamydomona	*sp.*		625	1237280
Cladophoraceae				
Cladophora	*glomerata*		1875	7372435079
Scenedesmaceae				
Scenedesmus	*ecornis*		2500	58221
Chrysophyta				
Achnanthacea				
Achnanthes	*biasolettian*		424	53592
	minutissima		93730	5082135
Cocconeis	*placentula*	*lineata*	1272	1341817
Eucocconeis	*laevis*		424	633209
Diatomaceae				
Diatoma	*vulgare*		212	783541
Fragilaria	*construens*	*pumila*	1060	127347
	pinnata		424	40956
	vaucheriae		2969	584893
Naviculaceae				
Amphora	*pediculus*		424	41006
Cymbella	*brehmii*		848	23387
	minuta		1484	1015164
	minuta	*silesiaca*	20146	9568076
Navicula	*cryptotenella*		2545	675930
	tripunctata		2333	2121160
Reimeria	*sinuata*		1484	250183
Nitzschiacea				
Nitzschia	*dissipata*		424	109353
	fonticula		848	84379
	palea	*debilis*	424	73867
	Paleaeformis		424	75921
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		727642	12525388
Oscillatoria				
Hydrocoleum	*brebissonii*		30631	2969834
Oscillatoria	*sp.*		8752	1137814

Total Density	915804
Total Biovolume	7434057187
Chlorophyll *a*, UG/L (70957)	8.1
Biomass, Ash Weight, g/sq. m (00572)	144.5
Biomass, Total, Dry Weight, g/sq. m (00573)	151.1

*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: 8/15/01 Time: 0830

Organisms			Density	Biovolume
Chlorophyta				
Scenedesmace				
Scenedesmus	*ecornis*		15642	364209
Chrysophyta				
Achnanthacea				
Achnanthes	*minutissima*		27672	1500385
Cocconeis	*pediculus*		220	685552
	placentula	*euglypta*	1757	1043951
	placentula	*lineata*	12079	12738342
Naviculaceae				
Amphora	*pediculus*		5051	488379
Caloneis	*bacillum*		1318	566831
Cymbella	*affinis*		1757	894192
	brehmii		3514	96882
	minuta		12079	2607038
	minuta	*silesiaca*	7247	3442098
Gomphonema	*olivaceum*		220	83221
	parvulum		36676	8014504
	pumilum		439	95862
Navicula	*atomus*		2635	75676
	cryptocephala	*veneta*	878	193950
	cryptotenella		2416	641685
	minima		3514	158148
	salinarum	*intermedia*	439	164246
	secreta	*apiculata*	439	110231
	tripunctata		878	798820
	viridula	*avenacea*	878	1108439
Reimeria	*sinuata*		9224	1554593
Rhoicosphenia	*curvata*		1977	1022845
Nitzschiacea				
Nitzschia	*fonticola*		2635	262158
	frustulum	*perminuta*	6149	332096
	inconspicua		8785	309368
	palea	*debilis*	1977	344246
	tubicola		439	143337
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		3852646	66318133
Oscillatoria				
Hydrocoleum	*brebissonii*		256530	24871934

Total Density	4278111
Total Biovolume	131031349
Chlorophyll *a*, UG/L (70957)	26.8
Biomass, Ash Weight, g/sq. m (00572)	117.8
Biomass, Total, Dry Weight, g/sq. m (00573)	124.8

*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: 8/15/01 Time: 0930

Organisms			Density	Biovolume
Chlorophyta				
Chlamydomonadaceae				
Chlamydomonas	*sp.*		1904	3768896
Desmidiaceae				
Closterium	*moniliferum*		635	75437790
Oedogoniaceae				
Bulbochaete	*sp.*		2539	215809
Chrysophyta				
Achnanthacea				
Achnanthes	*biasolettiana*		1759	222264
	lanceolata	*dubia*	440	35382
	minutissima		41115	2229308
Cocconeis	*pediculus*		10554	32944118
	placentula	*euglypta*	440	261286
	placentula	*lineata*	8135	8579226
Diatomaceae				
Diatoma	*mesodon*		220	198472
	vulgare		440	1624787
Fragilaria	*3*		440	376854
	capucina		3738	675990
	construens	*pumila*	13412	1610839
	leptostauron		3738	1825630
	pinnata		3738	360948
	pinnata	*acuminata*	440	376853
	vaucheriae		5497	1082912
Hannaea	*arcus*		220	440868
Meridion	*circulare*		220	142703
Synedra	*rumpens*		879	105679
Eunotiaceae				
Eunotia	*pectinalis*	*minor*	440	473714
Naviculaceae				
Amphipleura	*pellucida*		660	513171
Amphora	*pediculus*		440	42516
Cymbella	*affinis*		440	223804
	brehmii		879	24248
	microcephala		440	27987
	minuta		3078	664368
	minuta	*silesiaca*	14951	7100916
	sp. 5 ANS		440	815270
Gomphonema	*minutum*		440	35929
	parvulum		440	96092
	parvulum	*parvulius*	440	153799
Navicula	*bryophila*		440	18757
	cryptocephala	*veneta*	440	97086
	cryptotenella		4397	1168033
	disjuncta		440	63322
	ignota	*accepta*	440	45139
	libonensis		440	120874
	lundii		220	139958
	tripunctata		5277	4798400
Reimeria	*sinuata*		5936	1000524
Nitzschiacea				
Nitzschia	*anceps*		220	1484107
	dissipata		440	113379
	frustulum	*perminuta*	440	23748
	linearis		220	634732
	vermicularis		220	1005886
Thalassiosir				
Aulacosira	*ambigua*		440	140814
	distans		1539	933561
	valida		220	298398
Cyanophyta				
Oscillatoria				
Hydrocoleum	*brebissonii*		396072	38401268
Oscillatoria	*sp.1 ANS*		104096	1544321
Rhodophyta				
Chantransiac				
Audouinella	*violacea*		67916	434697119
	Total Density			713438
	Total Biovolume			629425051
	Chlorophyll *a*, UG/L (70957)			5.7
	Biomass, Ash Weight, g/sq. m (00572)			147.3
	Biomass, Total, Dry Weight, g/sq. m (00573)			152.6

*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: 8/16/01 Time: 1530

Organisms			Density	Biovolume
Chrysophyta				
Achnanthacea				
Achnanthes	*lanceolata*		581	79583
	levanderi		116	173474
	minutissima		52635	2853898
Cocconeis	*placentula*	*lineata*	2091	2205620
Diatomaceae				
Diatoma	*mesodon*		1627	1468384
Fragilaria	*pinnata*		232	22441
	vaucheriae		930	183128
Hannaea	*arcus*		232	465962
Meridion	*circulare*		232	150826
Synedra	*ulna*	*contracta*	116	196935
Naviculaceae				
Cymbella	*brehmii*		1046	28832
	minuta	*silesiaca*	4531	2152197
	minutum		349	28480
Gomphonema	*parvulum*		581	126952
	pumilum		2440	532530
Navicula	*atomus*		581	16682
	cryptotenella		697	185177
	incerta		349	20760
	minuscula		232	19334
	tripunctata		232	211313
Reimeria	*sinuata*		1975	332908
Nitzschiacea				
Nitzschia	*fonticola*		232	23116
	inconspicua		465	16368
	linearis		232	670860
	paleacea		232	12118
	tubicola		232	75834
Thalassiosiraceae				
Aulacoseira	*distans*		232	140957
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		15634095	269119952
Oscillatoriaceae				
Oscillatoria	*sp.1 ANS*		74025	1098203
Rhodophyta				
Chantransiacea				
Audouinella	*violacea*		6514	41694090

Total Density	15788067
Total Biovolume	324306914
Chlorophyll *a*, UG/L (70957)	12.4
Biomass, Ash Weight, g/sq. m (00572)	119.7
Biomass, Total, Dry Weight, g/sq. m (00573)	125.6

*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: 8/17/01 Time: 0800

Organisms			Density	Biovolume
Chrysophyta				
Achnanthacea				
Achnanthes	*biasolettian*		541119	68376853
	minutissima		3313311	179650738
Cocconeis	*placentula*	*lineata*	16650	17558764
Diatomaceae				
Fragilaria	*vaucheriae*		83249	16401010
Hannaea	*arcus*		33300	66770749
Naviculaceae				
Amphora	*pediculus*		41625	4024511
Caloneis	*bacillum*		16650	7162190
Cymbella	*affinis*		66599	33895685
	minuta		83249	17967946
	minuta	*silesiaca*	449545	213509298
Gomphonema	*minutum*		16650	1360376
	olivaceum		24975	9463881
	parvulum		41625	9095863
Navicula	*cryptotenella*		66599	17690195
	minima		33300	1498707
	minuscula		16650	1385282
	tripunctata		33300	30280478
Nitzschiacea				
Nitzschia	*dissipata*		33300	8585804
	fonticola		49949	4968754
	frustulum	*perminuta*	49949	2697556
	inconspicua		49949	1759061
	tubicola		58274	19016851
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		35633323	613379816
Oscillatoria				
Hydrocoleum	*brebissonii*		8479235	822105660
	Total Density			49232373
	Total Biovolume			2168606027
	Chlorophyll *a*, UG/L (70957)			260.0
	Biomass, Ash Weight, g/sq. m (00572)			330.9
	Biomass, Total, Dry Weight, g/sq. m (00573)			377.9

*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: 8/16/01 Time: 1430

Organisms			Density	Biovolume
Chlorophyta				
Chaetophoraceae				
Stigeoclonium	*lubricum*		22826	40372269
Desmidiaceae				
Closterium	*lunula*		1201	102115
Scenedesmaceae				
Scenedesmus	*acutus*		4805	103239
Chrysophyta				
Achnanthacea				
Achnanthes	*biasolettian*		314	39645
	lanceolata		941	128935
	minutissima		16001	867580
Cocconeis	*pediculus*		314	979371
	placentula	*euglypta*	627	372844
	placentula	*lineata*	1569	1654349
Diatomaceae				
Diatoma	*moniliformis*		314	57259
Fragilaria	*construens*	*pumila*	5961	715956
	construens	*venter*	314	31009
	leptostauron		1255	612963
	vaucheriae		10353	2039754
Hannaea	*arcus*		3451	6920096
Meridion	*circulare*		314	203631
Synedra	*ulna*	*contracta*	5961	10103559
Melosiraceae				
Melosira	*varians*		30433	157279320
Naviculaceae				
Cymbella	*brehmii*		2510	69203
	minuta		6275	1354321
	minuta	*silesiaca*	67141	31888198
Gomphonema	*minutum*		627	51269
	olivaceoides		314	47239
	parvulum		314	68559
Navicula	*atomus*		1255	36037
	incerta		1255	74741
	minima		1255	56482
	tantula		1255	68838
Reimeria	*sinuata*		10667	1797849
Stauroneis	*sp.1 ANS*		627	4706754
Nitzschiacea				
Nitzschia	*dissipata*		3137	808936
	fonticola		11608	1154758
	frustulum	*perminuta*	627	33888
	inconspicua		941	33147
	linearis		1569	4528673
Surirellaceae				
Surirella	*brebissonii*		314	519863
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		2212892	38091964
Oscillatoria				
Hydrocoleum	*brebissonii*		25228	2446025
Oscillatoria	*sp.1 ANS*		320761	4758670
	Total Density			2777528
	Total Biovolume			315179307
	Chlorophyll *a*, UG/L (70957)			24.6
	Biomass, Ash Weight, g/sq. m (00572)			196.5
	Biomass, Total, Dry Weight, g/sq. m (00573)			204.2

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

393851106503400 BRUSH CREEK AT MOUTH NEAR EAGLE, CO (LAT 39 38 51N LONG 106 50 34W)

Date: 8/15/01 Time: 1130

Organisms			Density	Biovolume
Chrysophyta				
Achnanthacea				
Achnanthes	*lanceolata*		8653	1185388
	minutissima		294214	15952551
Cocconeis	*pediculus*		56247	175579104
Diatomaceae				
Diatoma	*moniliformis*		17307	3158545
Fragilaria	*pinnata*		8653	835637
Epithemiaceae				
Epithemia	*sorex*		4327	7467664
Naviculaceae				
Amphora	*pediculus*		493241	47689554
Cymbella	*affinis*		82207	41839195
	brehmii		47593	1312221
	minuta	*silesiaca*	12980	6164808
Gomphonema	*olivaceum*		8653	3279090
	pumilum		8653	1888582
Navicula	*atomus*		8653	248484
	cryptocephala	*veneta*	103840	22926064
	cryptotenella		467281	124119976
	minima		17307	778918
	salinarum	*intermedia*	60573	22650664
	secreta	*apiculata*	43267	10858292
	tripunctata		393728	358029992
	viridula	*avenacea*	8653	10918696
Reimeria	*sinuata*		25960	4375298
Rhoicospheni	*curvata*		95197	49258253
Nitzschiacea				
Nitzschia	*dissipata*		194700	50200587
	frustulum	*perminuta*	69227	3738647
	inconspicua		43267	1523719
	palea	*debilis*	17307	3014223
	recta		4327	6586628
	sigmoidea		12980	34030523
	sublinearis		34613	90605657
Simonsenia	*delognei*		8653	485418
Surirellaceae				
Surirella	*minuta*		25960	22920851
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		2239161	38544157
Oscillatoria				
Hydrocoleum	*brebissonii*		31545833	3058531683
Lyngbya	*sp.*		702482	97460467
Oscillatoria	*sp.1 ANS*		373194	5536533
		Total Density		37538882
		Total Biovolume		4323696059
		Chlorophyll *a*, UG/L (70957)		152.0
		Biomass, Ash Weight, g/sq. m (00572)		957.4
		Biomass, Total, Dry Weight, g/sq. m (00573)		1030.0

*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: 8/15/01 Time: 0930

Organisms			Density	Biovolume
Chlorophyta				
Chlamydomona				
Chlamydomona	*sp.*		6169	12209837
Chrysophyta				
Achnanthacea				
Achnanthes	*minutissima*		561019	30418942
Cocconeis	*pediculus*		6179	19287082
	placentula	*lineata*	1236	1303186
Diatomaceae				
Fragilaria	vaucheriae		2471	486904
Naviculaceae				
Amphora	*pediculus*		51900	5018147
Caloneis	*bacillum*		7414	3189403
Cymbella	*affinis*		9886	5031376
	brehmii		3707	102212
	cesatii		2471	4582064
	microcephala		8650	550531
	minuta	*silesiaca*	13593	6455919
Gomphonema	*angustatum*		1236	487768
	minutum		2471	201930
	pumilum		4943	1078780
Navicula	*atomus*		2471	70969
	cryptocephala	*veneta*	9886	2182606
	cryptotenella		45722	12144697
	ignota	*accepta*	2471	253697
	minima		4942	222464
	stroemii		4943	897236
	tripunctata		17300	15731607
Nitzschiacea				
Nitzschia	*dissipata*		4943	1274452
Thalassiosiraceae				
Cyclotella	*striata*		1236	317862
	meneghiniana		12357	8873202
Cyanophyta				
Nostocaceae				
Amphithrix	*janthina*		1313973	22618289
Oscillatoria				
Hydrocoleum	*brebissonii*		7007858	679448126
Lyngbya	*sp.*		2263982	314098839
Rhodophyta				
Chantransiacea				
Audouinella	*violacea*		111040	710710100
	Total Density			11486472
	Total Biovolume			1859548125
	Chlorophyll *a*, UG/L (70957)			3.2
	Biomass, Ash Weight, g/sq. m (00572)			113.4
	Biomass, Total, Dry Weight, g/sq. m (00573)			116.6

*Density is the abundance as cells per square centimeter.
*Biovolume is the volume as cubic micrometers per square centimeter.

394220106431500 EAGLE R BLW MILK CR NR WOLCOTT (LAT 39 42 20N LONG 106 43 15W)

Date: 8/15/01 Time: 1400

Organisms			Density	Biovolume
Chrysophyta				
Achnanthacea				
Achnanthes	*lanceolata*		270	369919
	lanceolata	*dubia*	270	21685
	minutissima		6289	340975
Cocconeis	*placenta*	*euglypta*	1617	960848
	placentula	*lineata*	6019	6347709
Diatomaceae				
Diatoma	*moniliformis*		359	65583
Fragilaria	*construens pumila*		359	43160
	vaucheriae		359	70796
Synedra	*rumpens*	*fragilarioides*	539	66273
Melosiraceae				
Melosira	*varians*		1168	6035709
Naviculaceae				
Amphora	*pediculus*		449	43430
Cymbella	*affinis*		90	45723
	brehmii		1797	49539
	minuta		4133	891938
	minuta	*silesiaca*	11589	5504159
Gomphonema	*parvulum*		90	19631
	minutum		180	14680
Navicula	*atomus*		719	20638
	menisculus	*upsaliensis*	180	33921
	minima		719	32346
	minuscula		359	29898
	secreta	*apicula*	1168	293095
	tripunctata		90	81692
Reimeria	*sinuata*		3593	605647
Rhoicosphenia	*curvata*		1168	604370
Nitzschiacea				
Nitzschia	*archibaldi CODY*		3054	133352
	dissipata		539	138979
	fonticula		2695	268099
	inconspicua		898	31638
	paleacea		2515	131177
Surirellaceae	*brebissonii*		1078	1786303
Cyanophyta				
Chroococcacea				
Microsytis	*sp.*		46311	1157787
Nostocaceae				
Amphithrix	*janthina*		423557	7290964
	Total Density			524220
	Total Biovolume			33198663
	Chlorophyll *a*, UG/L (70957)			106.0
	Biomass, Ash Weight, g/sq. m (00572)			627.0
	Biomass, Total, Dry Weight, g/sq. m (00573)			662.6

*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 8/16/01 Time 0830

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	58
ARTHROPODA	
ARACHNIDA	
THROMBIDIFORMES	
Protziidae	
Protzia sp.	6
INSECTA	
EPHEMEROPTERA	
Ameletidae	
Ameletus sp.	6
Baetidae	
Acentrella insignificans	19
Baetis flavistriga	141
Baetis sp.	6
Baetis tricaudatus	1888
Ephemerellidae	
Drunella coloradensis	13
Drunella doddsi	26
Drunella grandis	13
Emphemerella infrequens	19
Serratella tibialis	19
Heptageniidae	
Epeorus deceptivus	6
Epeorus longimanus	51
Rhithrogena hageni	70
Leptophlebiidae	
Paraleptophlebia sp.	83
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	154
Nemouridae	
Zapada cinctipes	13
Perlodidae	
Cultus sp.	32
Isoperla sp.	96
Megarcys signata	6
Skwala americana	6
TRICHOPTERA	
Brachycentridae	
Brachycentrus occidentalis	19
Micrasema bactro	166
Glossosomatidae	
Glossosoma sp.	179
Hydropsychidae	
Arctopsyche grandis	390
Lepidostomatidae	
Lepidostoma sp.A	19
Philopotamidae	
Dolophilodes aequalis	45
Rhyacophilidae	
Rhyacophila brunnea/vao	141
Rhyacophila sibirica	179
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	826
DIPTERA	
Ceratopogonidae	13
Chironomidae	
Cardioclaudus sp.	15
Conchapelopia/Thienemannimyia gr.sp.	15
Eukiefferiella sp.	15
Micropsectra sp.	277
Orthocladius/Cricotopus spp.	15
Pagastia sp.	293
Rheocricotopus sp.	15
Stempellinella sp.	46
Synorthoclaudius sp.	15
Tvetenia sp.	62
Empididae	
Neoplasta sp.	6
Oreogeton	6
Psychodidae	
Pericoma sp.	38
Simuliidae	
Simulium sp.	262
Tipulidae	
Antocha sp.	6
Hexatoma sp.	6
Total Abundance:	5,800

09065500 GORE CREEK AT UPPER STATION NEAR MINTURN, CO (LAT 39 37 40N LONG 106 16 24W)
Date 8/14/01 Time 1530

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	26
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	38
Naididae	
Nais sp.	13
ARTHROPODA	
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis bicaudatus.	474
Baetis flavistriga	205
Baetis tricaudatus	1536
Ephemerellidae	
Drunella doddsi	218
Drunella grandis	51
Serratella tibialis	26
Heptageniidae	
Cinygmula sp.	13
Epeorus deceptivus	205
Epeorus longimanus	38
Rhithrogena hageni	51
PLECOPTERA	
Capniidae	38
Chloroperlidae	
Sweltsa sp.	90
Perlodidae	
Skwala americana	26
TRICHOPTERA	
Hydropsychidae	
Arctopsyche grandis	13
Philopotamidae	
Dolophilodes aequalis	13
Rhyacophilidae	
Rhyacophila brunnea/vao	154
Rhyacophila sibirica gr.	77
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	128
DIPTERA	
Ceratopogonidae	13
Chironomidae	
Eukiefferiella sp.	162
Micropsectra sp.	1236
Orthocladius/Cricotopus spp.	645
Pagastia sp.	108
Stempellinella sp.	538
Psychodidae	
Pericoma sp.	26
Simuliidae	
Simulium sp.	13
Total Abundance:	6,174

MACROINVERTEBRATE ANALYSIS--Continued

09066050 BLACK GORE CREEK NEAR VAIL, CO (LAT 39 38 28N LONG 106 23 37W)
Date 8/17/01 Time 0900

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	6
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Sperchonidae	
Sperchon/Sperchonopsis sp.	10
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	10
Baetis bicaudatus.	186
Baetis flavistriga	38
Baetis tricaudatus	986
Ephemerellidae	
Drunella coloradensis	13
Drunella grandis	10
Serratella tibialis	10
Heptageniidae	
Cinygmula sp.	26
Epeorus deceptivus	282
Rhithrogena robusta	13
Leptophlebiidae	
Paraleptophlebia sp.	3
PLECOPTERA	
Capniidae	3
Chloroperlidae	
Sweltsa sp.	38
Triznaka sp.	3
Leuctridae	
Perlomyia sp.	10
Nemouridae	
Zapada oregonensis gr.	22
Perlodidae	
Cultus sp.	16
Isoperla sp.	3
Kogotus modestus	6
Megarcys signata	19
TRICHOPTERA	
Brachycentridae	
Brachycentrus occidentalis	10
Hydropsychidae	
Arctopsyche grandis	29
Rhyacophilidae	
Rhyacophila bifila/coloradensis	6
Rhyacophila brunnea/vao	32
Rhyacophila sibirica gr.	48
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	74
DIPTERA	
Chironomidae	
Diamesa sp.	22
Micropsectra sp.	17
Pagastia sp.	167
Rheocricotopus sp.	9
Empididae	
Oreogeton sp.	3
Psychodidae	
Pericoma sp.	13
Total Abundance:	2,143

09066510 GORE CREEK AT MOUTH NEAR MINTURN, CO (LAT 39 36 34N LONG 106 26 50W)
Date 8/16/01 Time 1700

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	115
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	256
Naididae	
Nais sp.	13
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	13
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	64
Baetis flavistriga	486
Baetis sp.	422
Baetis tricaudatus	563
Ephemerellidae	
Drunella doddsi	448
Drunella grandis	230
Serratella tibialis	51
Heptageniidae	
Epeorus deceptivus	141
Epeorus longimanus	128
PLECOPTERA	
Perlodidae	
Skwala americana	26
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	13
Brachycentrus occidentalis	3,494
Glossosomatidae	
Glossosoma sp.	13
Hydropsychidae	
Arctopsyche grandis	13
Lepidostomatidae	
Lepidostoma sp.A	256
Rhyacophilidae	
Rhyacophila bifila/coloradensis	13
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	13
Optioservus quadrimaculatus	13
DIPTERA	
Chironomidae	
Eukiefferiella sp.	95
Micropsectra sp.	862
Monodiamesa sp.	191
Orthocladius/Cricotopus spp.	95
Pagastia sp.	2,108
Polypedilum cf.fallax gr.sp	766
Rheocricotopus sp.	574
Tvetenia sp.	95
Empididae	
Neoplasta sp.	13
Simuliidae	
Simulium sp.	384
Total Abundance:	11,967

MACROINVERTEBRATE ANALYSIS--Continued

09067005 EAGLE RIVER AT AVON, CO (LAT 39 37 54N LONG 106 31 19W)
Date 8/16/01 Time 1100

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	26
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Sperchonidae	
Sperchon/Sperchonopsis sp.	13
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis flavistriga	320
Baetis tricaudatus	461
Ephemerellidae	
Drunella doddsi	1818
Drunella grandis	64
Heptageniidae	
Rhithrogena hageni	26
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	64
Perlodidae	
Isogenoides sp.	13
Pteronarcyidae	
Pteronarcella badia	51
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	13
Brachycentrus occidentalis	691
Glossosomatidae	
Agapetus boulderensis	13
Glossosoma sp.	141
Hydropsychidae	
Arctopsyche grandis	192
Hydropsyche sp.	26
Lepidostomatidae	
Lepidostoma sp.A	806
Rhyacophilidae	
Rhyacophila bifila/coloradensis	13
COLEOPTERA	
Elmidae	
Cleptelmis sp.	13
Heterlimnius corpulentus	102
Narpus Concolor	64
Optioservus sp.	13
DIPTERA	
Athericidae	
Atherix pachypus	115
Blephariceridae	
Bibiocephala grandis	64
Chironomidae	
Cardioclaudus sp.	65
Conchapelopia/Thienemannimyia gr.sp.	65
Eukiefferiella sp.	162
Micropsectra sp.	227
Orthocladius/Cricotopus gr.	33
Pagastia sp.	943
Polypedilum cf.fallax gr.sp	65
Rheocricotopus sp.	33
Stempellinella sp.	33
Empididae	
Neoplasta sp.	13
Simuliidae	
Simulium sp.	77
Tipulidae	
Antocha sp.	13
Hexatoma	13
Total Abundance:	6,864

09067200 LAKE CREEK NEAR EDWARDS, CO (LAT 39 38 51N LONG 106 36 31W)
Date 8/15/01 Time 1530

Organisms	Abundance per square meter
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	141
ARTHROPODA	
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	38
Baetis flavistriga	282
Baetis tricaudatus	704
Ephemerellidae	
Drunella grandis	358
Serratella tibialis	38
Leptophlebidae	
Paraleptophlebia sp.	13
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	115
Perlodidae	
Isoperla	38
Skwala americana	26
TRICHOPTERA	
Brachycentridae	
Brachycentrus occidentalis	128
Glossosomatidae	
Agapetus boulderensis	90
Glossosoma sp.	115
Hydropsychidae	
Hydropsyche sp.	38
Hydroptilidae	
Hydroptila sp.	38
Lepidostomatidae	
Lepidostoma sp.A	6,067
Limnephilidae	
Oligophlebodes sp.	13
Philopotamidae	
Dolophilodes aequalis	38
Rhyacophilidae	
Rhyacophila sibirica gr.	13
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	307
Narpus concolor	13
Optioservus quadrimaculatus	90
DIPTERA	
Chironomidae	
Conchapelopia/Thienemannimyia gr.sp.	127
Eukiefferiella sp.	63
Micropsectra sp.	63
Orthocladius/Cricotopus spp.	127
Pagastia sp.	2,794
Simuliidae	
Simulium sp.	294
Tipulidae	
Antocha sp.	13
Hexatoma sp.	26
Total Abundance:	12,210

MACROINVERTEBRATE ANALYSIS--Continued

09069000 EAGLE RIVER AT GYPSUM, CO (LAT 39 39 00N LONG 106 57 06W)
Date 8/15/01 Time 0830

Organisms	Abundance per square meter
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Tubificidae without capilliform chaetae	13
ARTHROPODA	
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	13
Baetis tricaudatus	794
Ephemerellidae	
Attenella margarita	26
Drunella coloradensis	64
Drunella grandis	13
Heptageniidae	
Heptagenia sp.	26
Rhithrogena hageni	13
Leptohyphidae	
Tricorythodes minutus	115
PLECOPTERA	
Perlidae	
Claassenia saboulosa	51
Perlodidae	
Cultus sp.	26
Isogenoides sp.	26
TRICHOPTERA	
Brachycentridae	
Brachycentrus occidentalis	6,349
Glossosomatidae	
Glossosoma sp.	781
Hydropsychidae	
Arctopsyche grandis	13
Hydropsyche sp.	448
Rhyacophilidae	
Culoptila sp.	38
COLEOPTERA	
Elmidae	
Optioservus quadrimaculatus	934
Zaitzevia parvula	563
DIPTERA	
Chironomidae	
Cardioclaudus sp.	39
Cladotanytarsus sp.	53
Conchapelopia/Thienemannimyia gr.sp.	13
Eukiefferiella sp.	53
Micropsectra sp.	13
Microtendipes sp.	158
Orthocladius/Cricotopus spp.	26
Pagastia sp.	39
Parametriocnemus sp.	13
Polypedilum cf.fallax gr.sp	131
Empididae	
Neoplasta sp.	6
Tipulidae	
Antocha sp.	26
Hexatoma sp.	77
MOLLUSCA	
GASTROPODA	
BASOMMATOPHORA	
Physidae	
Physa/Physella sp.	13
Total Abundance:	10,960

MACROINVERTEBRATE ANALYSIS--Continued

393030106224700 EAGLE RIVER BLW HOMESTAKE CREEK NR RED CLIFF, CO (LAT 39 30 30N LONG 106 22 47W)
Date 8/16/01 Time 0930

Organisms	Abundance per square meter
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	512
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Lebertiidae	
Lebertia sp.	13
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis flavistriga	38
Baetis tricaudatus	1,357
Ephemerellidae	
Drunella doddsi	755
Drunella grandis	38
Ephemerella infrequens	26
Heptageniidae	
Cinygmula sp.	90
Epeorus deceptivus	77
Epeorus longimanus	115
Rhithrogena hageni	243
Leptophlebiidae	
Paraleptophlebia sp.	26
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	77
Nemouridae	
Zapada cinctipes	26
Zapada oregonensis gr.	13
Perlidae	
Claassenia saboulosa	13
Perlodidae	
Cultus sp.	13
Isoperla sp.	38
TRICHOPTERA	
Brachycentridae	
Brachycentrus americanus	38
Brachycentrus occidentalis	64
Micrasema bactro	26
Glossosomatidae	
Glossosoma sp.	410
Hydropsychidae	
Arctopsyche grandis	346
Philopotamidae	
Dolophilodes aequalis	13
Rhyacophilidae	
Rhyacophila bifila/coloradensis	64
Rhyacophila brunnea/vao	64
Rhyacophila sibirica gr.	26
Rhyacophila sp.	13
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	230
Optioservus quadrimaculatus	13
DIPTERA	
Chironomidae	
Conchapelopia/Thienemannimyia gr.sp.	21
Eukiefferiella sp.	123
Micropsectra sp.	389
Orthocladius/Cricotopus spp.	82
Pagastia sp.	162
Rheotanytarsus sp.	21
Stempellinella sp.	82
Tvetenia sp.	143
Simuliidae	
Simulium sp.	2,163
Tipulidae	
Hexatoma sp.	13
Total Abundance:	7,976

MACROINVERTEBRATE ANALYSIS--Continued

393501106313200 BEAVER CREEK ABOVE AVON, CO (LAT 39 35 01N LONG 106 31 32W)
Date 8/16/01 Time 1530

Organisms	Abundance per square meter
NEMATODA	6
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	19
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Protiziidae	
Protzia sp.	13
Sperchonidae	
Sperchon/Sperchonopsis	6
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis tricaudatus	211
Ephemerellidae	
Drunella coloradensis	109
Drunella doddsi	122
Serratella tibialis	77
Heptageniidae	
Cinygmula sp.	51
Epeorus deceptivus	102
Epeorus longimanus	32
Rhithrogena robusta	13
Leptophlebiidae	
Paraleptophlebia sp.	6
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	90
Leuctridae	
Perlomyia sp.	6
Nemouridae	
Zapada oregonensis gr.	38
Perlodidae	
Isoperla sp.	6
Megarcys signata	32
TRICHOPTERA	
Hydropsychidae	
Arctopsyche grandis	147
Limnephilidae	
Neothremma sp.	2,451
Philopotamidae	
Dolophilodes aequalis	13
Rhyacophilidae	
Rhyacophila bifila/coloradensis	13
Rhyacophila brunnea/vao	26
Rhyacophila hyalinata/vocala	6
Rhyacophila sibirica gr.	51
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	173
Zaitzevia parvula	13
DIPTERA	
Chironomidae	
Brillia sp.	36
Diamesa sp.	181
Eukiefferiella sp.	18
Micropsectra sp.	36
Orthocladius/Cricotopus spp.	36
Parametriocnemus sp.	18
Rheocricotopus sp.	18
Stempellinella sp.	470
Tvetenia sp.	72
Empididae	
Oreogeton	13
Simuliidae	
Simulium sp.	13
Total Abundance:	4,743

MACROINVERTEBRATE ANALYSIS--Continued

393824106221700 MILL CREEK NEAR VAIL, CO (LAT 39 38 24N LONG 106 22 17W)
Date 8/16/01 Time 0800

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	397
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Enchytraeidae	128
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis tricaudatus	755
Ephemerellidae	
Drunella coloradensis	26
Heptageniidae	
Epeorus deceptivus	102
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	13
DIPTERA	
Chironomidae	
Eukiefferiella sp.	268
Hydrobaenus sp.	803
Orthocladius euorthocladius	134
Orthocladius/Cricotopus gr.	1,205
Pagastia sp.	4,284
Muscidae	
Limnophora/Lispoides sp.	26
Psychodidae	
Pericoma sp.	13
Simuliidae	
Prosimulium sp.	13
Simulium sp.	26
Tipulidae	
Tipula sp.	38
Total Abundance:	8,231

MACROINVERTEBRATE ANALYSIS--Continued

393845106353000 EAGLE RIVER AT EDWARDS, CO (LAT 39 38 45N LONG 106 35 30W)
Date 8/16/01 Time 1430

Organisms	Abundance per square meter
PLATYHELMINTHES	
TURBELLARIA	
TRICLADIDA	
Planariidae	
Polycelis coronata	26
ANNELIDA	
OLIGOCHAETA	
HAPLOTAXIDA	
Lumbricidae	
Eiseniella tetraedra	13
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Protiziidae	
Protzia sp.	13
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis flavistriga	128
Baetis tricaudatus	614
Ephemerellidae	
Drunella doddsi	768
Drunella grandis	128
Heptageniidae	
Cinygmula sp.	13
Rhithrogena hageni	77
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	13
Perlidae	
Hesperoperla pacifica	13
Perlodidae	
Cultus sp.	13
Isogenoides sp.	26
Skwala americana	13
Pteronarcyidae	
Pteronarcella badia	13
TRICHOPTERA	
Brachycentridae	
Brachycentrus occidentalis	1,677
Glossosomatidae	
Agapetus boulderensis	13
Glossosoma sp.	614
Hydropsychidae	
Arctopsyche grandis	230
Hydropsyche sp.	294
Lepidostomatidae	
Lepidostoma sp.A	1,677
COLEOPTERA	
Elmidae	
Heterlimnius corpulentus	38
Narpus concolor	26
Optioservus quadrimaculatus	102
DIPTERA	
Athericidae	
Atherix pachypus	26
Blephariceridae	
Bibiocephala grandis	26
Chironomidae	
Conchapelopia/Thienemannimyia gr.sp.	66
Eukiefferiella sp.	200
Micropsectra sp.	200
Pagastia sp.	1,070
Parametriocnemus sp.	66
Polypedilum cf.fallax gr.sp.	1,671
Tvetenia sp.	66
Simuliidae	
Simulium sp.	102
Tipulidae	
Antocha sp.	26
Total Abundance:	10,061

393851106503400 BRUSH CREEK AT MOUTH NEAR EAGLE, CO (LAT 39 38 51N LONG 106 50 34W)
Date 8/15/01 Time 1130

Organisms	Abundance per square meter
ANNELIDA	
HIRUDINEA	
RHYNCHOBDELLIDA	
Glossiphoniidae	
Helobdella stagnalis	13
OLIGOCHAETA	
TUBIFICIDA	
Lumbriculidae	13
Tubificidae with capilliform chaetae	38
Tubificidae without capilliform chaetae	13
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Sperchonidae	
Sperchon/Sperchonopsis sp.	13
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis tricaudatus	486
Ephemerellidae	
Serratella tibialis	13
PLECOPTERA	
Pteronarcyidae	
Pteronarcella badia	13
TRICHOPTERA	
Brachycentridae	
Brachycentrus occidentalis	1,472
Glossosomatidae	
Agapetus boulderensis	13
Hydropsychidae	
Arctopsyche grandis	102
Hydropsyche sp.	550
COLEOPTERA	
Elmidae	
Cleptelmis ornata	26
Optioservus quadrimaculatus	5,683
Zaitzevia parvula	51
DIPTERA	
Athericidae	
Atherix pachypus	26
Chironomidae	
Eukiefferiella sp.	406
Orthocladius/Cricotopus spp.	406
Pagastia sp.	1,369
Polypedilum cf.fallax gr.sp.	151
Rheotanytarsus sp.	102
Stictochironomus sp.	102
Simuliidae	
Simulium sp.	486
MOLLUSCA	
GASTROPODA	
BASOMMATOPHORA	
Physidae	
Physa/Physella sp.	26
Total Abundance:	11,573

MACROINVERTEBRATE ANALYSIS--Continued

393858106570900 GYPSUM CREEK AT MOUTH (LAT 39 38 58N LONG 106 57 09W)
Date 8/15/01 Time 0930

Organisms	Abundance per square meter
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Naididae	
Nais bretscheri	6
Tubificidae with capilliform chaetae	6
HAPLOTAXIDA	
Lumbricidae	
Eiseniella tetraedra	26
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Sperchonidae	
Sperchon/Sperchonopsis sp.	6
MALACOSTRACA	
AMPHIPODA	
Gammaridae	
Gammarus lacustris	403
INSECTA	
EPHEMEROPTERA	
Baetidae	
Baetis tricaudatus	314
TRICHOPTERA	
Brachycentridae	
Brachycentrus occidentalis	442
Hydropsychidae	
Arctopsyche grandis	13
Hydropsyche sp.	6
Hydroptilidae	
Hydroptila sp.	6
COLEOPTERA	
Elmidae	
Cleptelmis ornata	186
Optioservus quadrimaculatus	928
DIPTERA	
Chironomidae	
Conchapelopia/Thienemannimyia gr.sp.	10
Eukiefferiella sp.	31
Orthocladius/Cricotopus gr.	63
Pagastia sp.	391
Parametriocnemus sp.	10
Phaenopsectra sp.	10
Tvetenia sp.	21
Simuliidae	
Simulium sp.	13
Stratiomyidae	
Euparyphus sp.	6
Tipulidae	
Antocha sp.	6
Total Abundance:	2,903

394220106431500 EAGLE R BLW MILK CR NR WOLCOTT (LAT 39 42 20N LONG 106 43 15W)
Date 8/15/01 Time 1400

Organisms	Abundance per square meter
ANNELIDA	
OLIGOCHAETA	
TUBIFICIDA	
Tubificidae without capilliform chaetae	6
ARTHROPODA	
ARACHNIDA	
TROMBIDIFORMES	
Sperchonidae	
Sperchon/Sperchonopsis sp.	13
INSECTA	
EPHEMEROPTERA	
Baetidae	
Acentrella insignificans	6
Baetis tricaudatus	1,222
Ephemerellidae	
Attenella margarita	19
Drunella grandis	38
Heptageniidae	13
Rhithrogena hageni	13
PLECOPTERA	
Chloroperlidae	
Sweltsa sp.	13
Perlodidae	
Isogenoides sp.	6
Skwala americana	6
Pteronarcyidae	
Pteronarcella badia	6
TRICHOPTERA	
Brachycentridae	
Brachycentrus occidentalis	608
Glossosomatidae	
Agapetus boulderensis	19
Glossosoma sp.	166
Hydropsychidae	
Arctopsyche grandis	77
Hydropsyche sp.	576
Lepidostomatidae	
Lepidostoma sp.A	19
COLEOPTERA	
Elmidae	
Narpus concolor	13
Optioservus quadrimaculatus	941
Zaitzevia parvula	32
DIPTERA	
Athericidae	
Atherix pachypus	13
Blephariceridae	
Bibiocephala grandis	6
Chironomidae	
Cardioclaudus sp.	8
Cladotanytarsus sp.	8
Conchapelopia/Thienemannimyia gr.sp.	8
Eukiefferiella sp.	31
Microtendipes sp.	8
Orthocladius/Cricotopus spp.	8
Pagastia sp.	164
Polypedilum cf.fallax gr.sp.	147
Synorthoclaudius sp.	8
Simuliidae	
Simulium sp.	51
Tipulidae	
Hexatoma sp.	6
MOLLUSCA	
GASTROPODA	
BASOMMATOPHORA	
Physidae	
Physa/Physella sp.	13
PELECYPODA	
VENEROIDA	
Pisidiidae	
Sphaerium sp.	6
Total Abundance:	4,297

LA PLATA COUNTY

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.

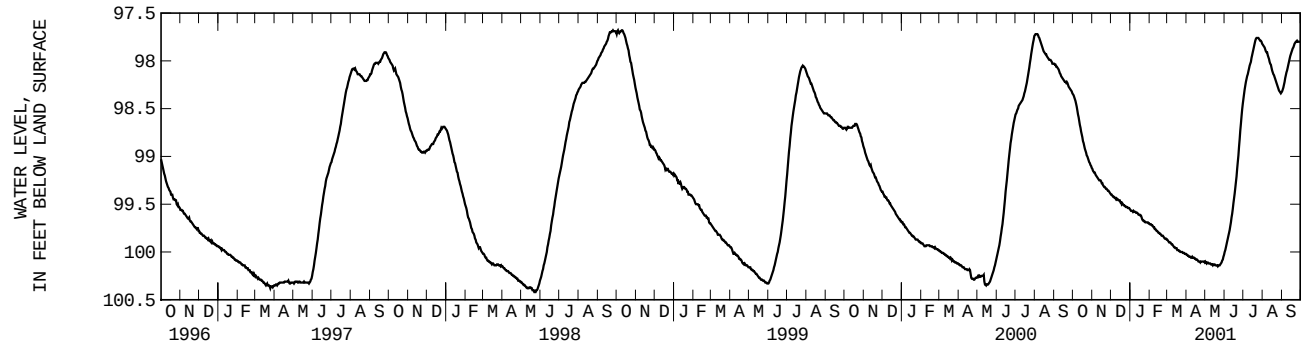
PERIOD OF RECORD.--June 1995 to current year.

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 97.74 ft below land-surface datum, July 23, 24; lowest, 100.16 ft below land-surface datum, May 18, 21-23.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98.35	99.13	99.40	99.56	99.71	99.87	100.03	100.10	100.00	98.40	97.83	98.32
2	98.36	99.15	99.40	99.57	99.71	99.88	100.03	100.11	99.98	98.35	97.84	98.30
3	98.38	99.16	99.41	99.57	99.71	99.89	100.04	100.12	99.95	98.30	97.85	98.28
4	98.40	99.17	99.42	99.57	99.72	99.90	100.04	100.11	99.92	98.26	97.86	98.25
5	98.42	99.17	99.42	99.58	99.72	99.90	100.05	100.11	99.89	98.22	97.88	98.22
6	98.45	99.19	99.43	99.57	99.73	99.90	100.05	100.12	99.86	98.19	97.90	98.18
7	98.48	99.20	99.43	99.58	99.74	99.91	100.05	100.12	99.83	98.16	97.91	98.15
8	98.52	99.21	99.44	99.58	99.74	99.92	100.06	100.12	99.80	98.14	97.91	98.12
9	98.56	99.22	99.45	99.58	99.76	99.92	100.06	100.12	99.77	98.11	97.94	98.10
10	98.59	99.23	99.44	99.59	99.76	99.93	100.05	100.13	99.73	98.08	97.96	98.07
11	98.63	99.24	99.45	99.59	99.77	99.94	100.06	100.13	99.69	98.05	97.98	98.04
12	98.67	99.25	99.45	99.59	99.78	99.95	100.06	100.13	99.64	98.03	98.01	98.01
13	98.70	99.25	99.46	99.60	99.78	99.95	100.06	100.14	99.60	98.01	98.03	97.98
14	98.74	99.25	99.46	99.61	99.79	99.96	100.07	100.13	99.55	97.97	98.04	97.95
15	98.77	99.26	99.46	99.61	99.80	99.96	100.07	100.13	99.49	97.94	98.07	97.93
16	98.80	99.28	99.48	99.61	99.80	99.96	100.08	100.13	99.44	97.91	98.10	97.91
17	98.84	99.28	99.48	99.62	99.81	99.98	100.08	100.14	99.39	97.88	98.12	97.89
18	98.86	99.30	99.50	99.62	99.81	99.98	100.08	100.14	99.33	97.85	98.14	97.87
19	98.89	99.31	99.49	99.64	99.82	99.98	100.09	100.14	99.27	97.82	98.15	97.86
20	98.92	99.32	99.50	99.66	99.83	99.99	100.10	100.14	99.21	97.79	98.17	97.84
21	98.94	99.32	99.51	99.67	99.83	99.99	100.10	100.15	99.13	97.77	98.19	97.82
22	98.96	99.33	99.51	99.67	99.83	100.00	100.10	100.14	99.06	97.76	98.21	97.81
23	98.99	99.34	99.52	99.68	99.84	100.00	100.11	100.14	98.99	97.76	98.23	97.80
24	99.00	99.34	99.52	99.68	99.85	100.00	100.10	100.14	98.90	97.76	98.25	97.80
25	99.02	99.35	99.53	99.69	99.86	100.00	100.10	100.13	98.82	97.76	98.27	97.79
26	99.04	99.36	99.53	99.69	99.86	100.01	100.10	100.12	98.73	97.77	98.29	97.80
27	99.06	99.36	99.53	99.69	99.86	100.01	100.10	100.11	98.66	97.78	98.31	97.80
28	99.07	99.37	99.54	99.69	99.87	100.01	100.10	100.09	98.58	97.79	98.32	97.80
29	99.09	99.38	99.54	99.69	---	100.02	100.10	100.08	98.51	97.79	98.33	97.80
30	99.10	99.39	99.54	99.70	---	100.02	100.11	100.05	98.45	97.80	98.34	97.80
31	99.12	---	99.55	99.70	---	100.02	---	100.03	---	97.82	98.33	---
MEAN	98.77	99.27	99.48	99.63	99.79	99.96	100.07	100.12	99.37	97.97	98.09	97.98
MAX	99.12	99.39	99.55	99.70	99.87	100.02	100.11	100.15	100.00	98.40	98.34	98.32
MIN	98.35	99.13	99.40	99.56	99.71	99.87	100.03	100.03	98.45	97.76	97.83	97.79



LA PLATA COUNTY--Continued

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.

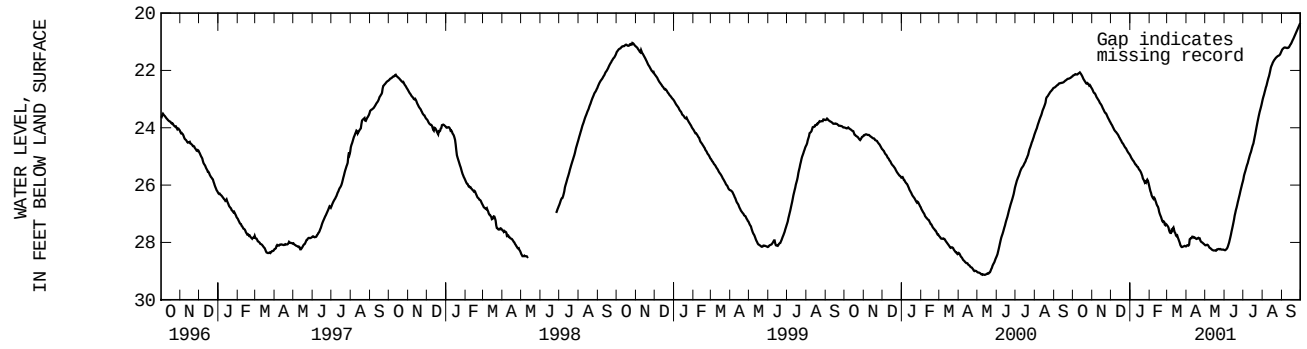
PERIOD OF RECORD.--June 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level 20.33 ft below land-surface datum, Sept. 30, 2001; lowest, 29.15 ft below land-surface datum, May 12, 2000.

EXTREMES FOR CURRENT YEAR.--Highest water level 20.33 ft below land-surface datum, Sept. 30; lowest, 28.30 ft below land-surface datum, May 18.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.18	22.66	23.86	24.98	26.12	27.41	28.12	28.10	28.27	25.79	23.00	21.28
2	22.17	22.71	23.89	25.03	26.21	27.44	28.10	28.10	28.27	25.67	22.92	21.25
3	22.16	22.76	23.93	25.07	26.27	27.48	28.10	28.09	28.25	25.59	22.85	21.23
4	22.14	22.79	23.98	25.10	26.36	27.58	28.11	28.08	28.23	25.52	22.76	21.21
5	22.13	22.80	24.02	25.14	26.41	27.64	28.08	28.09	28.20	25.44	22.68	21.20
6	22.14	22.84	24.07	25.16	26.45	27.67	27.89	28.12	28.15	25.36	22.59	21.20
7	22.14	22.89	24.10	25.20	26.48	27.67	27.87	28.16	28.08	25.29	22.53	21.21
8	22.14	22.94	24.13	25.24	26.44	27.57	27.85	28.19	28.01	25.23	22.44	21.21
9	22.12	22.97	24.15	25.28	26.47	27.59	27.85	28.20	27.92	25.14	22.35	21.22
10	22.10	23.01	24.18	25.29	26.54	27.51	27.80	28.22	27.83	25.06	22.27	21.21
11	22.09	23.04	24.21	25.33	26.60	27.48	27.80	28.24	27.73	24.98	22.20	21.21
12	22.07	23.08	24.24	25.36	26.67	27.57	27.82	28.26	27.62	24.91	22.11	21.19
13	22.10	23.13	24.28	25.37	26.72	27.65	27.84	28.27	27.52	24.85	22.01	21.15
14	22.13	23.16	24.33	25.42	26.75	27.68	27.83	28.28	27.42	24.77	21.90	21.11
15	22.17	23.19	24.36	25.46	26.82	27.76	27.85	28.28	27.31	24.68	21.84	21.08
16	22.21	23.23	24.41	25.48	26.93	27.78	27.87	28.28	27.20	24.61	21.79	21.04
17	22.26	23.28	24.44	25.52	27.00	27.76	27.88	28.28	27.07	24.55	21.73	20.99
18	22.31	23.33	24.49	25.56	27.06	27.83	27.87	28.29	26.97	24.44	21.69	20.94
19	22.34	23.37	24.53	25.62	27.11	27.89	27.85	28.27	26.87	24.33	21.65	20.90
20	22.38	23.42	24.55	25.68	27.18	27.95	27.84	28.24	26.79	24.22	21.62	20.85
21	22.41	23.46	24.59	25.77	27.25	28.01	27.86	28.24	26.70	24.10	21.59	20.80
22	22.45	23.49	24.63	25.81	27.28	28.09	27.86	28.23	26.60	23.98	21.56	20.75
23	22.46	23.50	24.67	25.85	27.26	28.13	27.93	28.23	26.51	23.87	21.54	20.70
24	22.44	23.55	24.70	25.91	27.28	28.16	27.97	28.24	26.42	23.76	21.52	20.65
25	22.46	23.60	24.72	25.88	27.38	28.16	27.99	28.23	26.33	23.65	21.50	20.60
26	22.49	23.65	24.77	25.91	27.40	28.15	28.00	28.24	26.23	23.55	21.49	20.55
27	22.53	23.69	24.81	25.85	27.36	28.14	28.02	28.25	26.14	23.45	21.48	20.50
28	22.51	23.73	24.85	25.81	27.38	28.13	28.04	28.25	26.05	23.37	21.46	20.45
29	22.54	23.78	24.88	25.85	---	28.12	28.06	28.25	25.96	23.29	21.43	20.40
30	22.59	23.81	24.91	25.93	---	28.13	28.08	28.25	25.88	23.20	21.38	20.35
31	22.62	---	24.94	26.02	---	28.14	---	28.26	---	23.10	21.33	---
MEAN	22.29	23.23	24.41	25.51	26.83	27.82	27.93	28.22	27.22	24.51	21.97	20.95
MAX	22.62	23.81	24.94	26.02	27.40	28.16	28.12	28.29	28.27	25.79	23.00	21.28
MIN	22.07	22.66	23.86	24.98	26.12	27.41	27.80	28.08	25.88	23.10	21.33	20.35



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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.