MP 1362/2/78

# SEDIMENT DEPOSITION IN U.S. RESERVOIRS

## SUMMARY OF DATA REPORTED THROUGH 1975

UNITED STATES
DEPARTMENT OF
AGRICULTURE

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*PREPARED BY*
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RESEARCH
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# SEDIMENT DEPOSITION IN U.S. RESERVOIRS

## Summary of Data Reported Through 1975

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DEPARTMENT OF THE INTERIOR
- Bureau of Mines
- Bureau of Reclamation
- Geological Survey

DEPARTMENT OF TRANSPORTATION
- Federal Highway Administration

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FEDERAL POWER COMMISSION

TENNESSEE VALLEY AUTHORITY

## ACKNOWLEDGMENT

Personnel in many Federal, State, and local government agencies made the engineering surveys and provided the reservoir data sheets summarized in this publication and contained in the supplement. Their efforts are gratefully acknowledged.

This publication supersedes and updates USDA Miscellaneous Publication No. 1266, "Summary of Reservoir Sediment Deposition Surveys Made in the United States Through 1970," published in 1973.

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# ABSTRACT

SEDIMENT DEPOSITION IN U.S. RESERVOIRS: SUMMARY OF DATA REPORTED THROUGH 1975. F. E. Dendy and W. A. Champion (compilers). U.S. Dep. Agric. Misc. Publ. No. 1362, 82 pp.

The reservoirs are grouped by drainage basins, the boundaries of which are shown on an index map. Summary data include reservoir locations, survey dates, drainage areas, reservoir storage capacities, ratio of reservoir capacities to average annual inflows, specific weights (dry) of sediment deposits, and average annual sediment-accumulation rates. This publication supersedes and updates USDA Miscellaneous Publication No. 1266, "Summary of Reservoir Sediment Deposition Surveys Made in the United States Through 1970."

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An example of a completed form for reporting reservoir sediment data appears on p. 81. A blank form, to be torn out, appears at the end of the publication.

# INTRODUCTION

Data from known reservoir sedimentation surveys made in the United States through 1975 are summarized in this publication. The accuracy of the survey data varies greatly. The field surveys ranged from reconnaissance measurements of sediment depth at a few locations to detailed surveys based on closely spaced cross sections or contours. No attempt was made to classify the surveys according to degree of accuracy.

This publication supersedes USDA Miscellaneous Publication No. 1266,[1] and all reservoir surveys reported in MP 1266 are repeated herein. In addition, this summary includes surveys made before 1970, but not previously reported, and new data on reservoirs surveyed or resurveyed since 1970. Data on storage reservoirs, ponds, and debris basins are included. The structures are located in all of the 48 conterminous States except Florida and in Puerto Rico.

Detailed information about each of the reservoirs listed in the summary table is given in a supplement to this publication or in supplements to previous editions. Because of their bulk and because the detailed information is not of general interest, the supplements are not distributed to all recipients of this publication. Copies are available in the offices of the agencies represented on the Sedimentation Committee of the Water Resources Council. Reprints of data sheets for specific reservoirs may be obtained on request from the Director, USDA Sedimentation Laboratory, Agricultural Research Service, P.O. Box 1157, Oxford, Miss. 38655. Requests for information not contained in this summary or in the supplements should be directed to the agency supplying the data.

Information in this publication and in the supplements should prove useful to engineers and watershed planning specialists in private and public practice who are concerned with problems of reservoir sedimentation. Engineers, engineering firms, and local government agencies who have data on similar reservoir sedimentation surveys are invited to make this information available to the Sedimentation Committee for inclusion in future editions of this publication.

# EXPLANATION OF SUMMARY TABLE

Dashes in columns of the table signify that data were unavailable or that the column was not applicable for the reservoir.

Reservoirs are grouped by drainage basins. Drainage-basin boundaries, established by the Subcommittee on Hydrology, Federal Inter-Agency Committee on Water Resources, are shown on the index map. The first of the hyphenated data-sheet numbers identifying a reservoir in the summary table indicates the drainage basin in which it is located. The second number, assigned as the data were summarized, identifies a particular reservoir within a basin. The same identifying numbers are shown on the individual reservoir data sheets in the supplements. When a survey data sheet is revised or when another sheet is prepared with additional survey data, the identification number is modified by the addition of letters beginning with a; for example, 13–2, 13–2a, 13–2b, etc.

Total drainage area includes the reservoir area and the area lying above all upstream dams but generally excludes noncontributing drainage areas lying within the watershed boundary. Where available, drainage areas published in the Water-Supply Papers of the U.S. Geological Survey are usually used. The net drainage area is the sediment-contributing area and generally excludes the reservoir area, drainage areas above upstream reservoirs, and other structures that are effective sediment traps.

The first date shown usually corresponds to

[1] Dendy, F. E., and Champion, W. A. (compilers). 1973. Summary of reservoir sediment deposition surveys made in the United States through 1970. U.S. Dep. Agric. Misc. Publ. No. 1266, 82 pp.

the beginning of storage, when sediment deposition began. However, for some reservoirs the first date is the date of the first survey made after the reservoir had been in operation for some time.

For most reservoirs, the storage capacity given is the total storage below the level of the crest of an ungated spillway or below the level of the tops of gates (less gate-height freeboard, if any) of gated spillways. Where capacity values below the spillway-crest elevation are given, footnotes are used to explain.

In calculating the ratio of reservoir capacity to average annual inflow (C/I ratio), the average annual inflow for the entire period of record was normally used. This period may or may not correspond to the period for which sediment accumulation is given in the data sheets. Generally, C/I ratios are not given if upstream structures controlled 25 percent or more of the drainage area.

The specific weight (dry) of sediment deposits is an average or weighted value for the reservoir, usually determined from samples. Because of variations in depth and location within the reservoir, specific weight is generally an approximation. The entry is marked by an asterisk where it was assumed or calculated from the size-frequency gradation of deposits.

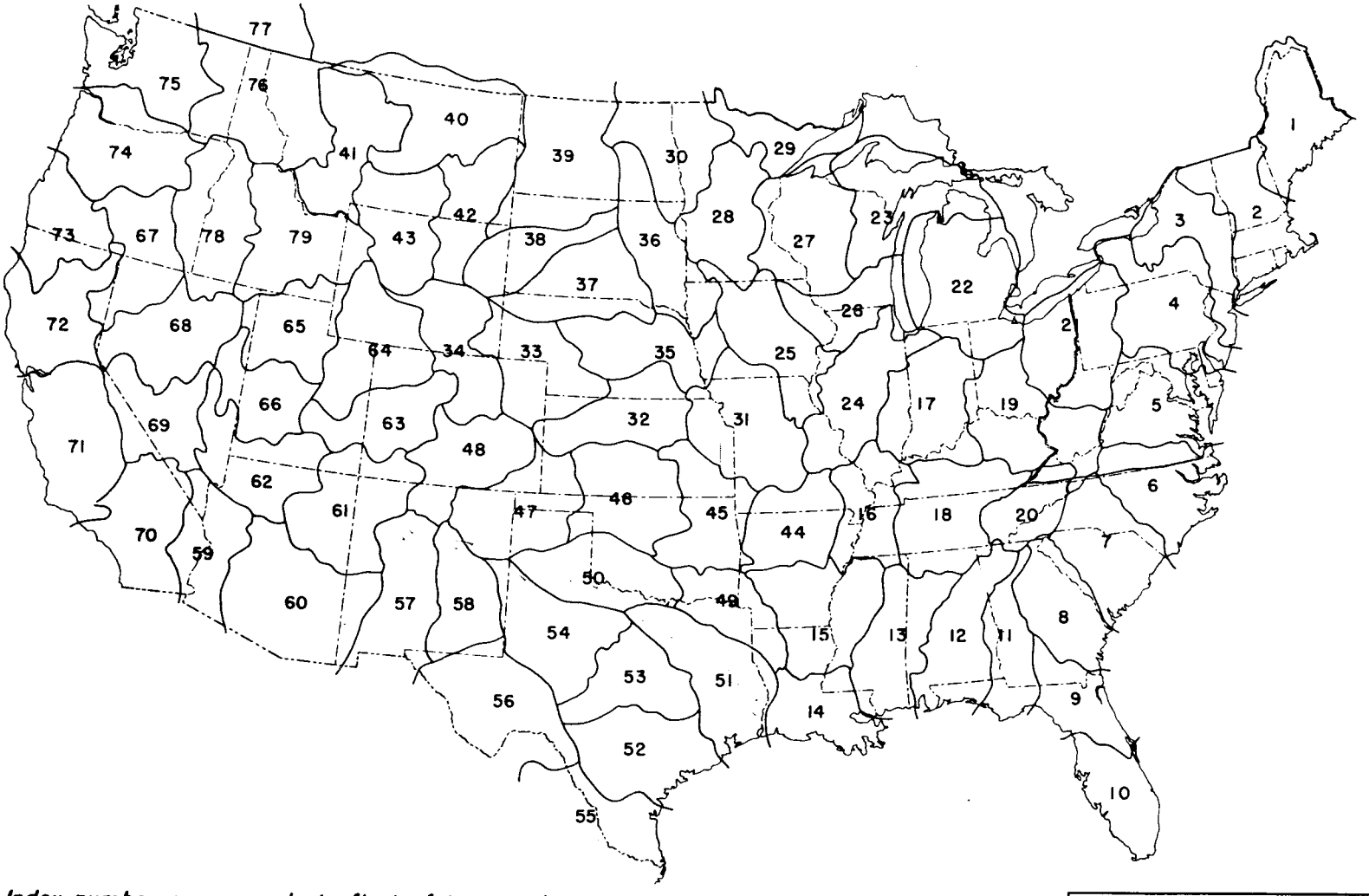
The average annual sediment-accumulation rate (acre-feet and tons per square mile of net drainage area) pertains to sediment deposited in the reservoir below the full-pool elevation. Sediment deposited in deltas above full-pool level or discharged from the reservoir is not included unless explained by footnote. When the latest survey of previously surveyed reservoirs indicated an increase in the specific weight of deposited sediment, the annual sediment-accumulation rate in tons per square mile was not always computed in the same manner. For some reservoirs, compaction of earlier sediment was considered, and for others it was not.

The agency supplying the data is shown in the last column of the table. This agency either has the basic data available or has access to it through cooperative arrangements. Symbols used in this column denote the following agencies:

| | |
|---|---|
| ARS | Agricultural Research Service |
| BR | Bureau of Reclamation |
| CE | Corps of Engineers |
| FS | Forest Service |
| GS | Geological Survey |
| IWS | Illinois State Water Survey |
| ODW | Ohio Department of Natural Resources—Division of Water |
| SCS | Soil Conservation Service |
| TVA | Tennessee Valley Authority |

## REPORTING RESERVOIR SEDIMENT DATA

A sample of a completed "Reservoir Sediment Data Summary" form is shown at the end of this publication. This sheet is a convenient and standard form for reporting results of reservoir surveys. Readers, particularly engineers in private practices, in engineering firms, or in local government agencies, are invited to prepare sheets covering surveys known to them but not included in this publication. A blank form is enclosed as a tear sheet at the end of this publication. Additional data sheets may be obtained from the Washington, D.C., offices of the Departments listed on the title page, or the form may be reproduced if desired. The completed forms may be sent to any of the government agencies represented on the Sedimentation Committee for inclusion in later editions of this publication.




*Index number corresponds to first of two numbers in summary table, which appear in column headed "Data Sheet No."*

**INDEX MAP OF RIVER BASINS**

SOURCE: River basin maps showing hydrologic stations. 1961. U.S. Dep. Commer., Weather Bur. Notes on Hydrol. Activ. Bull. No. 11, 79 pp.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | ST. JOHN MACHIAS, PENOBSCOT, KENNEBEC, ANDROSCROGGIN, AND PRESUMPSCOT RIVER BASIN | | | | | | | | | | |
| 1-1 | Little River Res. #2---- | Little River---------- | Belfast, Me.---------- | 13.9 | 13.8 | -- 1913 | -- | 456 | * .029 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1969 | 56 | 341 | .021 | *100 | .15 | 326 | |
| | | | HOUSATONIC, CONNECTICUT, THAMES, AND MERRIMACK RIVER BASIN | | | | | | | | | | |
| 2-1 | Broad Brook---------- | Broad Brook River------ | Broad Brook, Conn.--- | 5.13 | -- | -- 1916 | -- | 3,706 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1951 | 35 | 3,652 | -- | * 50 | .33 | 359 | |
| 2-2 | Mountain Street---------- | Trib. of Beaver Brook--- | Greenfield, Mass.----- | .8 | -- | -- 1905 | -- | 1,074.2 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1951 | 46 | 1,056.1 | -- | * 50 | .56 | 610 | |
| 2-3 | Plants Pond---------- | Eightmile Run---------- | Plantsville, Conn.--- | 15.76 | -- | Nov. 1850 | -- | 105 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1951 | 101 | 84.8 | -- | * 50 | .01 | 11 | |
| 2-4 | Southington Reservoir--- | Budd River---------- | Southington, Conn.--- | 1.08 | -- | -- 1883 | -- | 321.8 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1951 | 68 | 314 | -- | * 50 | .1 | 109 | |
| 2-5 | Wallingford---------- | Pine River---------- | Wallingford, Conn.--- | 8.98 | -- | -- 1941 | -- | 433.4 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1951 | 10 | 430 | -- | * 50 | .04 | 44 | |
| 2-6 | West Whately---------- | Avery Brook---------- | West Whately, Mass.--- | 9 | -- | -- 1902 | -- | 76.7 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1951 | 49 | 71.2 | -- | * 50 | .012 | 13 | |
| 2-7 | Westfield---------- | Moose Mountain Branch-- | Westfield, Mass.----- | 2.52 | -- | -- 1874 | -- | 564.6 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1951 | 77 | 546.8 | -- | * 50 | .094 | 102 | |
| | | | HUDSON RIVER BASIN AND ST. LAWRENCE DRAINAGE IN NEW YORK | | | | | | | | | | |
| 3-1 | Schoharie (Gilboa Dam)-- | Schoharie Creek-------- | Prattsville, N. Y.---- | 314 | 312.32 | Aug. 1926 | -- | 63,821 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1950 | 23.8 | 62,702 | -- | * 60 | 1/.166 | 1/217 | |
| 3-2 | Englishtown Pond-------- | Weamaconk Creek-------- | Englishtown, N. J.---- | 7.2 | 7.19 | -- 1755 | -- | 42.3 | .005 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1955 | 200 | 13.5 | .002 | * 60 | .02 | 26 | |
| 3-3 | Carnegie Lake---------- | Millstone River-------- | Princeton, N. J.------ | 155 | 47.8 | Dec. 1907 | -- | 1,256 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | 42.8 | 954 | -- | * 50 | 2/.2 | 218 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1959 | 9 | 3/822 | -- | -- | -- | -- | |
| 3-4 | Wappinger---------- | Wappinger Creek-------- | Wappinger Falls, N.Y. | 197 | -- | -- 1900 | -- | 604.4 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1952 | 52 | 461.6 | -- | * 50 | .01 | 11 | |
| 3-5 | Batavia Kill Site #4A--- | Trib. of Batavia Kill-- | Windham, N. Y.-------- | 6.8 | 6.65 | June 1970 | -- | 1,562.7 | .216 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1973 | 3.2 | 1,561.92 | .215 | * 80 | .036 | 64 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1975 | 5.2 | 1,561.88 | .215 | * 80 | .003 | 5 | |
| | | | SUSQUEHANNA AND DELAWARE RIVER BASINS | | | | | | | | | | |
| 4-1b | Loch Raven Reservoir---- | Gunpowder Falls River-- | Towson, Md.---------- | 303 | 4/219.4 | -- 1914 | -- | 5/70,169 | .288 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1943 | 29 | 5/64,813 | .266 | * 60 | 4/.618 | 4/806 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1961 | 18 | 64,072 | .263 | 57.3 | .188 | 253 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1972 | 11 | 63,105 | .259 | 70.9 | .401 | 1367 | |
| 4-2a | Prettyboy---------- | -----do---------- | Herford, Md.---------- | 80 | 77.5 | Apr. 1933 | -- | 60,979 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1943 | 10.5 | 5/60,410 | -- | * 60 | .699 | 913 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1961 | 18 | 59,864 | -- | 64.2 | .391 | 547 | |
| 4-3 | Griffin---------- | Griffin Creek (Legget)- | Scranton, Pa.--------- | 3.21 | 3.04 | -- 1888 | -- | 1,991 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1941 | 53 | 1,953 | -- | -- | .237 | -- | |
| 4-4 | Elmhurst---------- | Roaring Brook---------- | -----do---------- | 34.85 | 34.55 | -- 1890 | -- | 3,746 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1941 | 51 | 3,686 | -- | -- | .034 | -- | |
| 4-5 | Lake Williams---------- | Codoros Creek---------- | York, Pa.---------- | 42.9 | 42.6 | -- 1912 | -- | 2,686 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1939 | 27 | 2,232 | -- | 49.1 | .394 | 421 | |
| 4-6 | Williams Bridge--------- | Stafford Meadow Brook-- | Scranton, Pa.--------- | 5 | 4.94 | -- 1893 | -- | 1,051 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1941 | 48 | 1,046 | -- | -- | .022 | -- | |
| 4-7a | Atkisson Reservoir------ | Winter's Run---------- | Bel Air, Md.---------- | 45.46 | 45.35 | -- 1942 | -- | 896.19 | .025 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1954 | 12 | 705.32 | .019 | * 60 | .351 | 459 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1965 | 11 | 617.06 | .017 | -- | .177 | 231 | |
| 4-8a | Pelto Dam---------- | Dean Creek---------- | Spencer, N. Y. ------ | .41 | .41 | July 1955 | -- | 56.04 | .13 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1957 | 2 | 55.9 | .129 | * 80 | .17 | 296 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1966 | 8.9 | 55.6 | .128 | * 79.2 | .083 | 141 | |
| 4-9a | Pylkas Dam---------- | -----do---------- | -----do---------- | .71 | .71 | July 1955 | -- | 187.31 | .25 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1957 | 2 | 187.15 | .25 | * 80 | .13 | 226 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1966 | 8.9 | 186.7 | .249 | * 80 | .068 | 119 | |
| 4-10 | Columbia Dam---------- | Paulins Kill River----- | Columbia, N. J.------- | 171 | 171 | July 1937 | -- | 311.77 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1957 | 20 | 244.19 | -- | * 64 | .02 | 28 | |
| 4-11 | Old Glatfelter---------- | W. Br. Codorus Creek--- | Spring Grove, Pa. | 74.3 | -- | -- 1884 | -- | 147.2 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1939 | 55 | 10 | -- | -- | .034 | -- | |
| 4-12 | Palington Reservoir----- | Powder Creek---------- | -----do---------- | 2.91 | 2.9 | -- 1937 | -- | 63 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1939 | 1.6 | 59.9 | -- | 33.2 | .669 | 483 | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4-13 | Lake Rushford | Caneadea Creek | Caneadea, N. Y. | 60.7 | -- | -- | 1925 | -- | 28,000 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. | 1951 | 26 | 27,426 | -- | * 60 | .37 | 484 | |
| 4-14 | Icedale | Brandywine W. Br. | Coatsville, Pa. | 20 | -- | -- | 1900 | -- | 137 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July | 1951 | 51 | 106 | -- | * 50 | .03 | 33 | |
| 4-15 | Coatsville | Rock Run | do | 5 | -- | -- | 1916 | -- | 1,019 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July | 1951 | 35 | 970 | -- | * 50 | .28 | 305 | |
| 4-16 | Liberty Reservoir | Patapsco | Wards Chapel, Md. | 164 | 159.1 | July | 1954 | -- | 138,762.4 | 1.133 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June | 1962 | 7.9 | 138,227 | 1.129 | * 60 | .426 | 557 | |
| 4-17a | Little Deer No. 1 | Trib. Little Deer | Madonna, Md. | .74 | .72 | June | 1958 | -- | * 173.89 | .349 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. | 1962 | 4.5 | * 168.84 | .339 | * 55 | 1.55 | 1862 | |
| | do | do | do | -- | -- | April | 1972 | 10 | 162.54 | .326 | 79.9 | .87 | 1898 | |
| 4-18 | Mount Morris | Genesee River | Mount Morris, N. Y. | 1,077 | 1,011 | Nov. | 1951 | -- | 338,010 | .347 | -- | -- | -- | CE |
| | do | do | do | -- | -- | May | 1957 | 5.5 | 336,611 | .345 | 6/-- | .25 | 419 | |
| | do | do | do | -- | -- | May | 1963 | 5.9 | 335,393 | .344 | 77 | .2 | 335 | |
| 4-19a | Patterson Creek #1 | Patterson Creek | Endwell, N. Y. | 4.3 | 4.22 | Oct. | 1968 | -- | 891.4 | .229 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. | 1970 | 2 | 887.95 | .228 | * 80 | .41 | 712 | |
| | do | do | do | -- | -- | Aug. | 1972 | 1.8 | 887.69 | .228 | * 80 | .03 | 60 | |
| | do | do | do | -- | -- | Sept | 1974 | 2.1 | 887.07 | .228 | * 80 | .07 | 122 | |
| 4-20a | Little Choconut #2B | W. Br. Little Choconut | Choconut Center, N. Y. | 1.64 | 1.61 | Oct. | 1968 | -- | 272 | .183 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. | 1970 | 2 | 271.38 | .183 | * 80 | .19 | 336 | |
| | do | do | do | -- | -- | Aug. | 1972 | 1.8 | 271.14 | .182 | * 80 | .08 | 145 | |
| | do | do | do | -- | -- | Sept | 1974 | 2.1 | 271.05 | .182 | * 80 | .027 | 46 | |
| 4-21 | E. Br. Clarion R. Lake | E. Br. Clarion River | Wilcox, Pa. | 72.4 | 70.3 | June | 1952 | -- | 84,260 | 1.01 | -- | -- | -- | CE |
| | do | do | do | -- | -- | May | 1971 | 18.9 | 83,406 | 1 | 66.3 | .64 | 924 | |
| 4-22 | Kaercher Creek PA-476 | Kaercher Creek | Hamburg, Pa. | .5 | .49 | Dec. | 1965 | -- | 69.18 | .13 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept | 1975 | 9.75 | 68.15 | .13 | 57.7 | .22 | 276 | |
| 4-23 | Martin Creek PA-467 | Trib. Martin Creek | Kingsley, Pa. | .8 | .79 | Sept | 1967 | -- | 136.33 | .17 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept | 1975 | 8 | 135.75 | .17 | 67.3 | .39 | 132 | |

POTOMAC, RAPPAHANNOCK, YORK, AND JAMES RIVER BASINS

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5-1a | Lake Barcroft | Trib. of Potomac River | Falls Church, Va. | 14.5 | 14.3 | Jan. | 1915 | -- | 7/1,847 | .142 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Feb. | 1938 | 23.1 | 7/1,762 | .134 | * 60 | .257 | 336 | |
| | do | do | do | -- | -- | Aug. | 1957 | 19.5 | 8/2,092 | .161 | -- | .728 | 950 | |
| 5-2 | Pedlar | Pedlar | Oronoco, Va. | 33.21 | 33.07 | Feb. | 1907 | -- | 1,860 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Feb. | 1938 | 31 | 1,723 | -- | -- | .134 | -- | |
| 5-3 | Burnt Mills | N. W. Br. Anacostia R. | Silver Spring, Md. | 27 | 26.97 | May | 1930 | -- | 181 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Mar. | 1938 | 7.8 | 95 | -- | * 60 | .408 | 533 | |
| 5-4b | Greenbelt Lake | Trib. of Indian Creek | Greenbelt, Md. | 9/.82 | .79 | July | 1936 | -- | 196 | *.312 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Feb. | 1938 | 1.6 | 186 | *.296 | * 60 | 7.91 | 10,337 | |
| | do | do | do | -- | -- | Aug. | 1957 | 19.5 | 151 | *.24 | * 60 | 2.27 | 3,970 | |
| | do | do | do | -- | -- | June | 1968 | 10.8 | 10/147 | .234 | * 60 | 1.52 | 1,945 | |
| 5-5a | Staunton | North River | Staunton, Va. | 25 | 25 | Dec. | 1925 | -- | 385 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Jan. | 1940 | 14 | 373 | -- | -- | .034 | -- | |
| | do | do | do | -- | -- | June | 1957 | 17.5 | 350 | -- | -- | .053 | -- | |
| 5-6 | Jackson | Occoquan Creek | Manassas, Va. | 337 | 336.4 | July | 1930 | -- | 4,500 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. | 1937 | 7.2 | 4,158 | -- | * 60 | .141 | 184 | |
| 5-7b | Triadelphia L. (Brighton D) | Patuxent River | Brighton, Md. | 81.4 | 80 | Jan. | 1942 | -- | 11/20,222 | .327 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. | 1950 | 8.3 | 20,089 | .324 | * 50 | .2 | 218 | |
| | do | do | do | -- | -- | Sept | 1958 | 7.9 | 19,633 | .317 | * 50 | .72 | 784 | |
| | do | do | do | -- | -- | Aug. | 1964 | 5.9 | 19,045 | .308 | 61.1 | 1.25 | 1,663 | |
| 5-8 | Gordon Lake | Evitts Creek | Cumberland, Md. | 64 | 12/4 | Sept | 1913 | -- | 3,129 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. | 1940 | 26.6 | 3,004 | -- | -- | 13/.09 | -- | |
| 5-9 | Thomas W. Koon Lake | do | do | 60 | 59.6 | Mar. | 1932 | -- | 7,312 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. | 1940 | 8.1 | 7,294 | -- | -- | .036 | -- | |
| 5-10 | Savage River Dam | Savage River | Bloomington, Md. | 105 | 104.44 | Mar. | 1952 | -- | 20,300 | .172 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Mar. | 1956 | 4. | 20,020 | .169 | * 60 | .643 | 840 | |
| 5-11 | Rocky Gorge | Patuxent River | Laurel, Md. | 132.8 | 50.14 | Mar. | 1954 | -- | 21,390 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. | 1964 | 10.4 | 20,789 | -- | 67 | 1.15 | 1,678 | |
| 5-12 | South River, Site 26 | Inch Branch | Waynesboro, Va. | 2.7 | 2.7 | May | 1956 | -- | 610.4 | .28 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. | 1970 | 14.5 | 607 | .28 | * 60 | .087 | 110 | |
| 5-13 | Wilde Lake | Trib. Little Patuxent | Columbia, Md. | 1.88 | 1.85 | Sept | 1966 | -- | 196.97 | .14 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. | 1968 | 1.9 | 170.99 | .122 | * 60 | 14/7.39 | 15/1,278 | |
| | do | do | do | -- | -- | Aug. | 1969 | 1 | 163.72 | .117 | * 60 | 3.93 | 5,133 | |
| 5-14 | Beautiful Run, Site 4 | Beautiful Run | Madison, Va. | .48 | .47 | June | 1966 | -- | 84.55 | .22 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May | 1971 | 5.0 | 83.95 | .22 | * 60 | .26 | 336 | |
| 5-15 | E. Fork, Falling R., Site 7 | Mulberry Creek | Appomattox, Va. | 5.14 | 5.03 | July | 1958 | -- | 1,157.31 | .4 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May | 1971 | 12.7 | 1,146.26 | .4 | * 60 | .17 | 226 | |
| 5-16 | E. Fork, Falling R., Site 5 | Caldwell's Creek | do | 3.64 | 3.54 | Aug. | 1956 | -- | 841.82 | .41 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May | 1971 | 14.6 | 834.68 | .41 | * 60 | .14 | 181 | |
| 5-17 | Lower North R., Site 80 | Union Springs Run | Briery Branch, Va. | 5.19 | 5.12 | June | 1967 | -- | 1,002.29 | .24 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June | 1972 | 5 | 1,000.95 | .24 | * 60 | .05 | 68 | |

1/ Includes estimated 112 acre-feet passing through Shandaken Tunnel.
2/ Includes 103 acre-feet of sediment dredged in 1937-1939.
3/ Partial survey covering segments 1-14 in Stoney Brook Arm Only.
4/ Net sediment contributing area was 299.4 sq. mi. until 1933 when Prettyboy Dam was completed. This area was used in the 1943 calculations.
5/ Revised after 1961 survey.
6/ Not determined - assumed equal to that determined in 1963.
7/ Based on original spillway crest elevation 205 feet m. s. l.
8/ Based on spillway crest elevation 210 feet m. s. l. and estimated capacity of 2,380 acre-feet resulting from 1942 addition to top of dam.
9/ Revised 1968.
10/ 9 acre-feet gained by dredging.
11/ Revised due to movable control gates.
12/ Koon Lake, upstream, was built in 1932.
13/ Based on total sediment in both Gordon Lake and Koon Lake.
14/ Does not include 4.34 acre-feet dredged.
15/ Includes 4.34 acre-feet dredged in early spring 1968.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | POTOMAC, RAPPAHANNOCK, YORK, AND JAMES RIVER BASINS (CONTINUED) | | | | | | | |
| 5-18 | Mountain Run, Site 11--- | Trib. of Mountain Run-- | Culpeper, Va.-------- | 5.86 | 5.62 | June 1959 | -- | 1,850.7 | .49 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | May 1971 | 11.8 | 1,840.1 | .49 | * 60 | .16 | 209 | |
| 5-19 | Pohick Creek #7--------- | Unknown----------- | Fairfax, Va.--------- | .66 | .62 | May 1970 | -- | 334.61 | .679 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Aug. 1975 | 5.4 | 329.03 | .669 | 64.35 | 1.49 | 2,093 | |
| 5-20 | Rock Creek, Site #5----- | Rock Creek---------- | Rockville, Md.------- | 12.77 | 12.48 | Aug. 1966 | -- | 1/586.38 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1968 | 2 | 529.24 | -- | * 70 | 2.29 | 3,490 | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | May 1972 | 3.75 | 2/531.07 | -- | 70.5 | 2/1.18 | 2/825 | |
| 5-21 | South River Site 3------ | Poor Creek---------- | Greenville, Va.------ | 3.12 | 3.05 | Sept 1958 | -- | 621.2 | .29 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1972 | 14 | 616.7 | .29 | * 60 | .11 | 139 | |
| 5-22 | South River Site 4------ | Pine Run----------- | -----do---------- | 3.28 | 3.24 | July 1959 | -- | 641.42 | .26 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | June 1971 | 11.9 | 640.63 | .26 | * 60 | .02 | 27 | |
| | | | | | | CHOWAN, ROANOKE, TAR, NEUSE, AND CAPE FEAR RIVER BASINS | | | | | | | |
| 6-1 | Lake Apex---------- | Swift Creek---------- | Apex, N. C.---------- | 4 | 4 | -- | 1925 | -- | 106 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | June 1941 | 16 | 94 | -- | -- | .19 | -- | |
| 6-2 | Franklinton---------- | Sallie Keaney Creek---- | Franklinton, N. C.-- | 1.13 | 1.12 | Jan. 1925 | -- | 34.7 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | May 1938 | 13.3 | 27.3 | -- | 67 | .509 | 743 | |
| 6-3 | Greensboro (L. Brandt)-- | Reddy Fork---------- | Greensboro, N. C.---- | 74.1 | 73.4 | Feb. 1923 | -- | 2,870 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Aug. 1934 | 11.5 | 2,610 | -- | * 60 | .308 | 402 | |
| 6-4 | High Point---------- | Deep River---------- | High Point, N. C.---- | 62.8 | 62.3 | Jan. 1928 | -- | 4,354 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Aug. 1934 | 6.5 | 4,135 | -- | 50.6 | .541 | 596 | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Apr. 1938 | 3.75 | 4,038 | -- | -- | .416 | 458 | |
| 6-5 | Lake Michie---------- | Flat River---------- | Durham, N. C.-------- | 167.5 | 166.7 | Apr. 1926 | -- | 12,671 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Jan. 1935 | 8.75 | 12,276 | -- | -- | .271 | -- | |
| 6-6 | Sanford City---------- | Lick Creek---------- | Sanford, N. C.------- | 3.75 | 3.73 | Feb. 1927 | -- | 103 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | June 1941 | 14.33 | 95 | -- | -- | .15 | -- | |
| 6-7 | University Lake---------- | Morgan Creek---------- | Chapel Hill, N. C.-- | 30.6 | 30.3 | June 1932 | -- | 1,915 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Apr. 1955 | 2.9 | 1,851 | -- | -- | .728 | -- | |
| 6-8 | Roxboro City Lake------- | Satterfield Creek----- | Roxboro, N. C.------- | 7.62 | 7.52 | Apr. 1924 | -- | 531.2 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | June 1941 | 17.2 | 460.3 | -- | -- | .548 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Nov. 1946 | 5.4 | 448.4 | -- | -- | 3/.342 | -- | |
| 6-9 | Burlington Municipal---- | Stony Creek---------- | Burlington, N. C.---- | 105.2 | 105 | June 1928 | -- | 1,488 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | May 1938 | 10 | 1,325 | -- | 63 | .155 | 213 | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1949 | 11.3 | 1,202 | -- | -- | .104 | 143 | |
| 6-10a | Walnut Cove---------- | Dan River---------- | Walnut Cove, N. C.-- | 397 | 397 | -- | 1924 | -- | 974 | .002 | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Apr. | 1949 4/9 | -- | 889 | .001 | * 46 | .814 | 2200 |
| 6-11 | John H. Kerr---------- | Roanoke River---------- | South Hill, Va.------ | 7,800 | 7,391 | July 1952 | -- | 2,808,400 | .494 | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Dec. 1959 | 7.4 | 2,750,349 | .484 | 32.6 | 1.06 | 754 | |
| 6-12 | Philpott---------- | Smith River---------- | Bassett, Va.--------- | 212 | 185.7 | Dec. 1951 | -- | 201,500 | .966 | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Nov. 1960 | 8.9 | 198,000 | .949 | 46.2 | 2.08 | 2,103 | |
| 6-13 | Cherrystone Site #2----- | Roaring Fork---------- | Chatham, Va.--------- | 5.7 | 5.6 | Oct. 1969 | -- | 1,230 | .27 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Feb. 1974 | 4.4 | 1,228.8 | .27 | 67.93 | .05 | 70 | |
| 6-14 | W. Kerr Scott Reservoir- | Yadkin---------- | Wilkesboro, N. C.---- | 348 | 348 | Aug. 1962 | -- | 154,000 | .4 | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | May 1971 | 8.8 | 153,826 | .4 | -- | 5/.056 | -- | |
| | | | | | | PEE DEE, SANTEE, AND EDISTO RIVER BASINS | | | | | | | |
| 7-1 | Chester---------- | Sandy River---------- | Chester, S. C.------- | 16.05 | 15.92 | Nov. 1926 | -- | 682 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Oct. 1937 | 11 | 585 | -- | -- | .55 | -- | |
| 7-2 | Lancaster---------- | Turkey Quarter Creek--- | Lancaster, S. C.----- | 9.4 | 9.34 | Feb. 1925 | -- | 242 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | June 1938 | 13.4 | 190 | -- | 65.3 | .417 | 593 | |
| 7-3a | Spartanburg Municipal--- | South Pacolet River---- | Fingerville, S. C.--- | 91.33 | 90.8 | May 1926 | -- | 6/3,506 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | July 1934 | 8.2 | 6/3,199 | -- | -- | 6/.412 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Mar. 1947 | 12.7 | 6/2,891 | -- | -- | 6/.268 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Oct. 1965 | 18.6 | 6/2,593 | -- | -- | 6/.176 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Oct. 1965 | 18.6 | 7/3,109 | -- | -- | -- | -- | |
| 7-4 | Appalachie---------- | South Tyger River------ | Greer, S. C.--------- | 63 | 62.8 | -- | 1904 | -- | 2,500 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | July 1934 | 30 | 1,600 | -- | -- | .48 | -- | |
| 7-5 | Albemarle City Lake----- | Long Creek---------- | Albemarle, N. C.----- | 33 | 32.5 | Feb. 1924 | -- | 1,070 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Aug. 1939 | 15.5 | 918 | -- | -- | .302 | -- | |
| 7-6 | Cannon Lake---------- | Buffalo Creek---------- | Kannapolis, N. C.---- | 18 | 17.7 | July 1939 | -- | 2,600 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | June 1941 | 1.9 | 2,574 | -- | -- | .774 | -- | |
| 7-7 | Lake Concord---------- | Chambers & Rose Branch- | -----do---------- | 4.7 | 4.54 | Mar. 1925 | -- | 1,201 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | May 1935 | 10.2 | 1,122 | -- | -- | 1.71 | -- | |
| 7-8 | Entwhistle No. 3-------- | Hitchcock Creek-------- | Roberdell, N. C.----- | 168 | 8/18 | -- | 1892 | -- | 184 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Mar. 1940 | 48 | | 163 | -- | .024 | -- | |
| 7-9 | Eury---------- | Little River---------- | Troy, N. C.---------- | 269 | 269 | -- | 1915 | -- | 1,104 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Mar. 1940 | 25 | | 976 | -- | .019 | -- | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7-10 | High Rock | Yadkin River | Salisbury, N. C. | 3,930 | 3,863 | Nov. 1927 | -- | 289,432 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Aug. 1935 | 7.8 | 275,516 | -- | -- | .462 | -- | |
| 7-11 | Lake Lee | Richardson Creek | Monroe, N. C. | 50.5 | 50.34 | Apr. 1927 | -- | 821 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | June 1938 | 11.1 | 652 | -- | 61.8 | .302 | 406 | |
| 7-12 | Pee Dee Mfg. Co. | Hitchcock Creek | Rockingham, N. C. | 176 | 8/25 | -- 1874 | -- | 464 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Mar. 1940 | 66 | 404 | -- | -- | .036 | -- | |
| 7-13 | Salem | Salem Creek | Winston-Salem, N.C. | 27.68 | 27.26 | Nov. 1919 | -- | 3,099 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Sept 1939 | 19.8 | 2,860 | -- | 38 | .444 | 367 | |
| 7-14 | Norwood L. (Tillery) | Pee Dee River | Mt. Gilead, N. C. | 4,600 | 9/431 | July 1928 | -- | 136,823 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Mar. 1940 | 11.75 | 133,300 | -- | -- | .696 | -- | |
| 7-15 | Lexington | Leonards Creek | Lexington, N. C. | 6.75 | 6.66 | Aug. 1935 | -- | 462 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Apr. 1940 | 4.6 | 441 | -- | 45.5 | .692 | 685 | |
| | -----do | -----do | -----do | -- | -- | May 1951 | 11.1 | 419 | -- | * 45.5 | .299 | 296 | |
| 7-16 | Third Creek Site No. 7 | Third Creek | Statesville, N. C. | 4.84 | 4.74 | Sept 1957 | -- | 961.4 | .186 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Mar. 1962 | 4.5 | 948.5 | .184 | 10/62.2 | .61 | 826 | |
| | -----do | -----do | -----do | -- | -- | Mar. 1965 | 3 | 945.9 | .183 | 10/62.2 | .18 | 244 | |
| | -----do | -----do | -----do | -- | -- | Apr. 1969 | 4.1 | 943.1 | .183 | 10/62.2 | .14 | 190 | |
| 7-17 | Duncan Creek Site #8 | Sand Creek | Clinton, S. C. | 1.83 | 1.77 | Jan. 1964 | -- | 430.7 | .294 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Jan. 1975 | 10.8 | 381.6 | .261 | 65.6 | 2.5 | 3,572 | |

SAVANNAH, OCMULGEE, AND ALTAMAHA RIVER BASINS

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-1 | Lake Issaqueena | Six Mile Creek | Clemson, S. C. | 14.02 | 11/13.64 | June 1938 | -- | 1,836 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | 12/13.86 | Apr. 1941 | 2.9 | 1,748 | -- | 49.82 | 2.22 | 2,410 | |
| | -----do | -----do | -----do | -- | -- | Oct. 1949 | 8.5 | 1,626 | -- | 50.9 | 1.03 | 1,140 | |
| 8-2 | Lloyd Shoals | Ocmulgee River | Jackson, Ga. | 1,414 | 1,407 | Dec. 1910 | -- | 112,538 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Mar. 1935 | 24.3 | 98,578 | -- | * 60 | .408 | 533 | |
| 8-3a | North Fork Broad No. 2 | Denman's Creek | Toccoa, Ga. | .96 | .94 | Jan. 1956 | -- | 13/198 | .181 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | June 1959 | 3.4 | 196.2 | .179 | 55.1 | .563 | 676 | |
| | -----do | -----do | -----do | -- | -- | Apr. 1970 | 10.8 | 192.8 | .176 | 55.1 | .335 | 402 | |
| 8-4a | North Fork Broad No. 6 | Bear Creek | Mize, Ga. | 3.62 | 3.50 | July 1956 | -- | 13/780.9 | .199 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | June 1959 | 2.92 | 770.6 | .197 | 74.8 | 1.01 | 1,645 | |
| | -----do | -----do | -----do | -- | -- | Apr. 1970 | 10.8 | 751.55 | .192 | 74.8 | .5 | 814 | |
| 8-5a | North Fork Broad No. 11 | Tom's Creek | Eastonollee, Ga. | 3.79 | 3.67 | July 1956 | -- | 13/792.4 | .193 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | June 1959 | 2.9 | 777.6 | .19 | 73.8 | 1.39 | 2,234 | |
| | -----do | -----do | -----do | -- | -- | Apr. 1970 | 10.9 | 763.9 | .186 | 73.8 | .34 | 547 | |
| 8-6 | North Fork Broad No. 1 | North Fork Broad River | Toccoa, Ga. | 3.75 | 3.7 | June 1958 | -- | 633.2 | .148 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Apr. 1970 | 11.9 | 624.16 | .146 | 63.2 | .205 | 282 | |
| 8-7 | North Fork Broad No. 14 | Tom's Creek | -----do | 1.2 | 1.191 | Oct. 1954 | -- | 281.1 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Mar. 1962 | 7.4 | 276.8 | -- | 14/68.6 | .49 | 732 | |
| | -----do | -----do | -----do | -- | -- | Nov. 1964 | 2.7 | 272 | -- | -- | 1.49 | -- | |
| | -----do | -----do | -----do | -- | -- | Apr. 1969 | 4.5 | 267 | -- | 15/66.2 | .93 | 1,341 | |
| 8-8 | Twelve Mile Cr. Site #12 | Rice's Creek | Easley, S. C. | .72 | .69 | Nov. 1954 | -- | 215.3 | .224 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Dec. 1974 | 20.08 | 205.4 | .214 | 80.6 | .71 | 1,194 | |
| 8-9 | Twelve Mile Cr. Site #16 | -----do | Pickens, S. C. | 8.40 | 8.16 | Nov. 1955 | -- | 2,370.8 | .21 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Dec. 1974 | 19.08 | 2,230.3 | .2 | 69.5 | .93 | 1,408 | |

SATILLA, ST. MARYS, ST. JOHNS, AND SUWANNEE RIVER BASINS

9-

SOUTHERN FLORIDA DRAINAGE

10-

APALACHICOLA AND OCHLOCKONEE RIVER BASINS

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-1 | Newnan | Bolton Mill Creek | Newnan, Ga. | 1.39 | 1.34 | June 1924 | -- | 384 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Nov. 1937 | 13.4 | 358 | -- | * 50 | 1.45 | 1,580 | |
| | -----do | -----do | -----do | -- | -- | Feb. 1945 | 7.3 | 354 | -- | -- | .41 | 446 | |
| 11-2 | Sky Lake | Trib. of Chickamuaga Cr. | Helen, Ga. | 2.34 | 2.31 | June 1925 | -- | 218.4 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | May 1956 | 31 | 176.6 | -- | 67 | .58 | 846 | |
| 11-3a | Sautee Creek Site #13 | Bean Creek | Cleveland, Ga. | 2.9 | 2.8 | Dec. 1959 | -- | 654.8 | .116 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Nov. 1970 | 10.9 | 535.2 | .095 | 75.8 | 3.87 | 6,389 | |

CHOCTAWHATCHEE, YELLOW, ESCAMBIA, AND ALABAMA RIVER BASINS

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12-1 | Sequoyah | Small Branches | Jasper, Ga. | 1.6 | 1.51 | July 1929 | -- | 890 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | July 1939 | 10 | 865 | -- | -- | 1.66 | -- | |
| 12-2 | White Manganese No. 6 | Pettit Creek | Cartersville, Ga. | 12.46 | 16/11 | Oct. 1929 | -- | 1,021 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Nov. 1938 | 9.2 | 900 | -- | 63.7 | 1.2 | 1,660 | |
| 12-3 | Lake Auburn | Town Creek (Trib. of) | Auburn, Ala. | 1.6 | 1.6 | Feb. 1931 | -- | 102 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | June 1937 | 6.3 | 95 | -- | -- | .66 | -- | |

1/ Sediment pool.
2/ Increase in capacity due to construction of pipeline across site 1968-72. Sediment accumulation rates assumed for this period.
3/ Excluding 2.04 acre-feet of sediment dredged from lake in March 1942.
4/ Assume storage depletion occurred in 9 years, see H. D. 65, 75th Congress, 1st. session ("308" report).
5/ Due to inadequacies of 1962 survey, data reflects sediment accumulated to elevation 1040'. Spillway crest elevation is 1075'.
6/ Elevation of dam raised from 775 to 777.1 feet Sept. 1956. Data based on original elevation of 775 feet and original capacity of 3506 acre-feet.
7/ Present storage capacity at elevation 777.1 feet.
8/ Ledbetters' dam upstream.
9/ Narrows upstream.
10/ Average of 39 samples collected in 1962.
11/ In 1940.
12/ In 1949.
13/ Changed on basis of 1970 survey.
14/ Average of 9 samples.
15/ Average of 10 samples.
16/ Drainage area above reservoir No. 3 excluded.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | CHOCTAWATCHEE, YELLOW, ESCAMBIA, AND ALABAMA RIVER BASINS (CONTINUED) | | | | | | | | | |
| 12-4 | Lay | Coosa River | Clanton, Ala. | 9,087 | 9,076.5 | Dec. 1913 | -- | 156,525 | .014 | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | May 1936 | 22.3 | 128,520 | .012 | -- | .089 | -- | |
| 12-5 | Lake Purdy | Little Cahaba River | Birmingham, Ala. | 41.74 | 40.22 | Sept 1910 | -- | 19,080 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Nov. 1935 | 25.2 | 18,594 | -- | -- | .479 | -- | |
| 12-6 | Carroll Lake | Curtis Creek | Carrollton, Ga. | 7.45 | 7.18 | Oct. 1948 | -- | 1,448 | .182 | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | May 1957 | 8.5 | 1,325.4 | .167 | 42.5 | 2 | 1,851 | |
| 12-7 | Temple Reservoir | Webster Branch | Temple, Ga. | .63 | .61 | June 1954 | -- | 65.5 | .097 | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | May 1957 | 3 | 60.5 | .09 | 44.2 | 2.74 | 2,638 | |
| 12-8 | High Pine Dam No. 5 | Trib. of High Pine | Roanoke, Ala. | 1.8 | 1.55 | Mar. 1961 | -- | 389.7 | *.163 | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | May 1970 | 9.17 | 385.3 | *.161 | 1/53.99 | .32 | 376 | |
| | | | | TOMBIGBEE, PASCAGOULA, AND PEARL RIVER BASINS | | | | | | | | | |
| 13-1 | Bayview | Village Creek | Birmingham, Ala. | 72.3 | 71.6 | May 1911 | -- | 11,866 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Dec. 1935 | 24.6 | 9,514 | -- | -- | 1.34 | -- | |
| 13-2a | Lake Harris | Yellow Creek | Tuscaloosa, Ala. | 30 | 29.8 | Feb. 1929 | -- | 2,431 | .061 | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Nov. 1935 | 6.75 | 2,373 | .059 | -- | .239 | -- | |
| -do- | -do- | -do- | -do- | -- | -- | Aug. 1953 | 17.75 | 2/2,636 | .066 | 59.9 | .11 | 144 | |
| 13-3 | M. C. Crain Farm Pond #2 | Bogue Lusa Creek | Bogalusa, La. | .13 | .13 | Aug. 1949 | -- | 7.631 | .044 | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | May 1963 | 13.5 | 6.963 | .04 | -- | .377 | -- | |
| | | | | LOWER MISSISSIPPI RIVER BASIN (NATCHEZ TO THE MOUTH)<br>Calcasieu, Mermentau, and Vermilion River Basins | | | | | | | | | |
| 14- | | | | | | | | | | | | | |
| | | | | LOWER MISSISSIPPI RIVER BASINS (HELENA TO NATCHEZ)<br>Yazoo, Big Black, and Ouachita River Basins | | | | | | | | | |
| 15-1 | Lake Hamilton | Ouachita River | Hot Springs, Ark. | 1,421 | 1,413.4 | Dec. 1930 | -- | 156,345 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | May 1950 | 19.4 | 153,279 | -- | * 50 | .11 | 120 | |
| 15-2 | Lake Winona | Alum Fork Saline River | Little Rock, Ark. | 43 | 41.3 | Oct. 1937 | -- | 34,533 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | May 1950 | 12.6 | 34,340 | -- | * 50 | .37 | 403 | |
| 15-3 | O. P. White Pond | Trib. of Chewalla Creek | Holly Springs, Miss. | .0097 | .0089 | Oct. 1947 | -- | 1.46 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Jan. 1951 | 3.3 | 1.07 | -- | 63.65 | 13.1 | 18,200 | |
| 15-4 | B. H. Honnesucker Pond | Trib. of Coldwater R. | Slayden, Miss. | .0625 | .0597 | Jan. 1947 | -- | 12 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Jan. 1951 | 4 | 8.35 | -- | 60.09 | 15.5 | 20,000 | |
| 15-5 | C. S. Hurdle Pond | -do- | -do- | .244 | .234 | Dec. 1946 | -- | 36.4 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Jan. 1951 | 4.1 | 29 | -- | 62.9 | 7.78 | 10,700 | |
| 15-6 | Agnes Jones Pond | -do- | Holly Springs, Miss. | .0478 | .0451 | Oct. 1946 | -- | 8.8 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Jan. 1951 | 4.3 | 6.4 | -- | 67.27 | 12.4 | 18,200 | |
| 15-7 | Lee Johnson Pond | Trib. of Red Banks Cr. | -do- | .0833 | .0784 | Sept 1948 | -- | 17.8 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Jan. 1951 | 2.3 | 14.8 | -- | 76.13 | 16.6 | 27,500 | |
| 15-8 | P. T. McAlexander | Trib. of Coldwater R. | -do- | .0139 | .0128 | Aug. 1942 | -- | 2.46 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Jan. 1951 | 8.5 | 1.11 | -- | 84.24 | 12.4 | 22,800 | |
| 15-9 | Lake Shahkoka | Trib. of Camp Creek | Olive Branch, Miss. | .4153 | .3663 | Jan. 1934 | -- | 306 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Feb. 1951 | 17 | 255 | -- | 61.65 | 8.03 | 10,800 | |
| 15-10 | Lake Woodland | -do- | -do- | .5045 | .4797 | Feb. 1945 | -- | 94 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Feb. 1951 | 6 | 78.1 | -- | 39.9 | 5.52 | 4,800 | |
| 15-11 | C. L. Patton Pond | Trib. of Red Banks Cr. | Warsaw, Miss. | .1019 | .0954 | Feb. 1942 | -- | 15.9 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Feb. 1951 | 9 | 12.1 | -- | 66.8 | 4.48 | 6,520 | |
| 15-12 | G. B. Langston, Jr., Pond | -do- | -do- | .0156 | .0116 | Feb. 1916 | -- | 12.3 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Feb. 1951 | 35 | 9.66 | -- | 63.3 | 6.55 | 9,040 | |
| 15-13 | Fletcher Hurdle Pond (N) | Trib. of Byhalia Creek | Victoria, Miss. | .0406 | .0389 | Feb. 1947 | -- | 4.61 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Feb. 1951 | 4 | 2.67 | -- | 63 | 12.5 | 17,100 | |
| 15-14 | Fletcher Hurdle Pond (S) | -do- | -do- | .0297 | .0279 | Feb. 1947 | -- | 5.48 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Feb. 1951 | 4 | 3.61 | -- | 83.1 | 16.8 | 30,400 | |
| 15-15 | C. C. Stevenson Pond | Trib. of Cuffawa Creek | Holly Springs, Miss. | .0342 | .032 | Aug. 1948 | -- | 6.47 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Feb. 1951 | 2.7 | 4.23 | -- | 78.8 | 26 | 44,600 | |
| 15-16 | Gayoso Lake | Trib. of Mississippi R. | Horn Lake, Miss. | .2196 | .2047 | Feb. 1942 | -- | 58.7 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Feb. 1951 | 9 | 53 | -- | 51.85 | 3.13 | 3,530 | |
| 15-17 | Ben O. Pettis Pond | Trib. of Toby Tubby Cr. | Oxford, Miss. | .0075 | .0067 | Feb. 1916 | -- | 1.63 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Feb. 1951 | 35 | 1.07 | -- | 58.72 | 2.39 | 3,060 | |
| 15-18 | C. D. Williams Pond | Trib. of Hudson Creek | -do- | .045 | .0418 | Mar. 1928 | -- | 9.93 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Mar. 1951 | 23 | 6.7 | -- | 55.72 | 3.35 | 4,070 | |
| 15-19 | R. X. Williams | Trib. of Yocona River | Taylor, Miss. | .0239 | .021 | Sept 1946 | -- | 4.48 | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Mar. 1951 | 4.5 | 2.54 | -- | 47.74 | 20.5 | 21,300 | |
| 15-20 | Henry W. Ramsey Pond | Trib. of Sarter Creek | Oxford, Miss. | .1375 | .1289 | Jan. 1933 | -- | 31. | -- | -- | -- | -- | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Mar. 1951 | 18.2 | 24.9 | -- | 41.75 | 2.61 | 2,370 | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15-21 | Dr. Bramlett Pond------- | Trib. of Pumpkin Creek- | -----do---------- | .8672 | .8131 | Jan. 1937 | -- | 227 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1951 | 14.2 | 214 | -- | *37 | 1.12 | 913 | |
| 15-22 | A. S. Kyle Pond--------- | Trib. of Tallahatchie R. | Batesville, Miss.---- | .0456 | .0398 | Mar. 1945 | -- | 17.4 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1951 | 6 | 16.6 | -- | 52.04 | 3.14 | 3,560 | |
| 15-23 | Ben P. Smith Pond------- | Trib. of Pigeon Roost Cr. | Holly Springs, Miss.- | .0278 | .0264 | July 1947 | -- | 3.77 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1951 | 3.7 | 3.29 | -- | 67.58 | 4.89 | 7,200 | |
| 15-24 | A. L. Rodman Pond------- | Trib. of Arkabutla Cr.- | Arkabutla, Miss.------ | .1563 | .1458 | Sept 1945 | -- | 30.5 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1951 | 5.5 | 29 | -- | *50 | 1.95 | 2,120 | |
| 15-25 | Charles Dockery Pond---- | Trib. of Hurricane Cr.- | Eudora, Miss.-------- | .0644 | .0566 | Jan. 1946 | -- | 23 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1951 | 5.2 | 22 | -- | *44 | 3.6 | 3,420 | |
| 15-26b | Arkabutla Reservoir----- | Coldwater River-------- | Arkabutla, Miss.-----1,000 | 948 | | Apr. 1939 | -- | 525,300 | .499 | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1947 | 6.33 | 521,540 | .495 | *60 | .627 | 819 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1962 | 14.42 | 513,060 | .487 | *60 | .62 | 810 | |
| 15-27b | W. W. Murphy Pond------- | Trib. of Jones Creek--- | Holly Springs, Miss.- | .208 | .2 | Nov. 1953 | -- | 61.8 | .528 | -- | -- | -- | ARS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1956 | 2.5 | 58.26 | .498 | *30 | 7.08 | 13,678 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | 3.3 | 56.14 | .48 | *90 | 3.21 | 6,296 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1963 | 4.2 | 53.68 | .459 | *90 | 2.95 | 5,741 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1975 | 12.1 | 49.88 | .426 | 77 | 1.55 | 1,683 | |
| 15-28b | Powerline Dam----------- | East Goose Creek------- | Oxford, Miss.-------- | .486 | .477 | Apr. 1953 | -- | 90.02 | -- | -- | -- | -- | ARS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1958 | 5.5 | 75.55 | -- | *70 | 5.51 | 8,400 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1960 | 1.66 | 72.48 | -- | *70 | 3.88 | 5,911 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1962 | 2.15 | 71.98 | -- | *70 | 3.88 | 743 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1967 | 5 | 71.07 | -- | *70 | .38 | 582 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1976 | 8.4 | 67.9 | -- | 75 | .79 | 1,292 | |
| 15-29b | Andrew Smith Pond------- | Trib. of Jones Creek--- | Holly Springs, Miss.- | .327 | .3 | Nov. 1953 | -- | 70.1 | .379 | -- | -- | -- | ARS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1956 | 2.5 | 65.4 | .354 | *90 | 6.27 | 12,290 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | 3.3 | 63.27 | .342 | *90 | 2.15 | 4,217 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1963 | 4.1 | 60.87 | .329 | *90 | 1.9 | 3,734 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1975 | 12.1 | 53.41 | .289 | 79 | 2.06 | 2,927 | |
| 15-30a | Sardis Reservoir-------- | Little Tallahatchie R.- | Sardis, Miss.---------1,545 | 1,454 | | Mar. 1937 | -- | 1,569,900 | .934 | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1960 | 20.6 | 1,549,336 | .922 | *60 | .687 | 898 | |
| 15-31 | Enid Reservoir---------- | Yocona River----------- | Enid, Miss.----------- | 560 | 516 | -- | 1940 | -- | 660,030 | 1.073 | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | 3/-- | 1951 | -- | -- | -- | -- | -- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May | 1961 | 9.83 | 657,201 | 1.068 | *60 | .558 | 729 | |
| 15-32 | Grenada Reservoir------- | Yalobusha River-------- | Grenada, Miss.--------1,320 | 1,219 | | -- | 1942 | -- | 1,337,400 | .969 | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | 4/July | 1953 | -- | -- | -- | -- | -- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May | 1965 | 11.83 | 1,320,820 | .957 | *60 | 1.205 | 1,575 | |

LOWER MISSISSIPPI RIVER BASIN (CHESTER TO HELENA)
St. Francis River Basin

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16-1 | Grisham----------------- | Lost Creek------------- | Bismark, Mo.---------- | .46 | .45 | Oct. 1930 | -- | 24.05 | *.077 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1939 | 8.8 | 19.56 | *.063 | 75.4 | 1.133 | 1,860 | |
| 16-2 | Mountain Lake----------- | Trib. of Rings Creek--- | Patterson, Mo.-------- | 1.9 | 1.87 | -- 1927 | -- | 87.7 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1939 | 12 | 82.9 | -- | 54.8 | .213 | 254 | |
| 16-3 | Shepherd Mountain------- | Trib. of Stouts Creek-- | Ironton, Mo.---------- | 3.99 | 3.96 | -- 1929 | -- | 171 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1939 | 10 | 158 | -- | 64 | .338 | 471 | |
| 16-4 | Loch Mary--------------- | Brown Creek------------ | Earlington, Ky.------- | 3.81 | 3.65 | -- 1888 | -- | 1,228 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1908 | 20 | 1,184 | -- | *60 | .6 | 784 | |
| 16-5 | Carbondale-------------- | Piles Fork------------- | Carbondale, Ill.------ | 3 | 2.77 | Aug. 1926 | -- | 1,386 | -- | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1948 | 22.1 | 1,193 | -- | 73.9 | 3.15 | 5,070 | |
| 16-6 | Dering Coal Co. Pond---- | Trib. of Wolf Creek---- | Eldorado, Ill.-------- | .219 | .206 | -- 1919 | -- | 89.5 | -- | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1949 | 30 | 73 | -- | *76 | 2.64 | 4,370 | |
| 16-7 | Eldorado---------------- | Wolf Creek------------- | -----do---------- | 2.23 | 1.87 | Oct. 1920 | -- | 844.4 | -- | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1949 | 29 | 726. | -- | *67 | 2.18 | 3,180 | |
| 16-8 | West Frankfort---------- | Tilley Creek----------- | West Frankfort, Ill.- | 4.03 | 3.75 | Aug. 1926 | -- | 5/1,608.4 | -- | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1936 | 10.1 | 1,515. | -- | -- | 2.46 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1949 | 12.8 | 1,487.8 | -- | -- | 6/.933 | -- | |
| 16-9 | Pineview (Lower)-------- | South Fork Jonaca Creek | Farmington, Mo.------- | .63 | .07 | -- 1932 | -- | 8.9 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1939 | 7 | 8.2 | -- | *60 | 1.43 | 1,870 | |
| 16-10 | Pineview (Middle)------- | -----do---------- | -----do---------- | .56 | .06 | -- 1930 | -- | 30.9 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1939 | 9 | 29.1 | -- | *60 | 3.3 | 4,310 | |
| 16-11 | Pineview (Upper)-------- | -----do---------- | -----do---------- | .49 | .48 | -- 1928 | -- | 8.2 | *.025 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | 7/-- 1938 | 10 | 5.4 | *.016 | *65 | .583 | 825 | |
| 16-12 | Killarnay---------------- | Big Creek-------------- | Annapolis, Mo.------- | 51 | 51 | -- 1910 | -- | 818 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1939 | 29 | 622 | -- | *60 | .133 | 174 | |
| 16-13a | Wappapello-------------- | St. Francis River------ | Poplar Bluff, Mo.----1,310 | 1,206 | | 8/July 1940 | -- | 625,000 | .54 | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1947 | 7 | 624,651 | .539 | -- | 9/.0414 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1964 | 16.7 | 613,161 | .53 | -- | .5705 | -- | |
| 16-14a | Lake Miller------------- | Casey Fork------------- | Mt. Vernon, Ill.------ | 4.65 | 4.43 | Feb. 1944 | -- | 1,746 | .613 | -- | -- | -- | IWS |
| | ----do---------- | -----do---------- | -----do---------- | -- | -- | June 1960 | 16.3 | 1,659 | .582 | 34 | 1.2 | 888 | |
| 16-15 | Flucks Lake------------ | Unnamed---------------- | Marion, Ill.---------- | .339 | .316 | -- 1919 | -- | 58.1 | .265 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1951 | 32 | 46.8 | .214 | 56.6 | 1.11 | 1,368 | |
| 16-16 | Baker's Lake------------ | -----do---------- | -----do---------- | .26 | .25 | -- 1937 | -- | 24 | .143 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1951 | 14 | 21.7 | .129 | 36.8 | .64 | 512 | |

1/ Weighted average: Submerged sediment 51.75 lbs/ft.$^3$-aerated assumed 83 lbs/ft.$^3$.
2/ With 5-foot flashboards added in 1947.
3/ Original sediment range surveys.
4/ Used as beginning date of sediment deposits.
5/ Spillway crest raised from 439 to 441.77 ft. m.s.l. in April 1943. All data computed on basis of 441.77 ft. at spillway elevation.
6/ Net sediment volume in 1949 was 120.5 ac.-ft. due to compaction of earlier deposits.
7/ Dam failed spring 1938, survey conducted July 24, 1939.
8/ Original data from topographic survey of 1935-36.
9/ Based on incomplete resurvey; 1963 value of .57 is more reliable.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LOWER MISSISSIPPI RIVER BASIN (CHESTER TO HELENA)<br>St. Francis River Basin (Continued) | | | | | | | | | | |
| 16-17 | Crab Orchard Lake------- | Crab Orchard Creek----- | Carbondale, Ill.---- | 171 | 160 | May 1940 | -- | 67,320 | .611 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1951 | 11.2 | 63,894 | .58 | 47.5 | 1.91 | 1,976 | |
| 16-18 | Marion----------- | Limb Branch---------- | Marion, Ill.-------- | 6.5 | 6.31 | -- 1921 | -- | 705 | .168 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1951 | 30 | 590 | .141 | 34.5 | .61 | 458 | |
| 16-19 | Little Grassy Lake------ | Little Grassy---------- | Carbondale, Ill.---- | 15.7 | 14.2 | Mar. 1942 | -- | 25,741 | 2.543 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1951 | 9.3 | 25,365 | 2.506 | 38.7 | 2.85 | 2,402 | |
| 16-20 | Herrin Reservoir No. 1-- | Unnamed---------- | Herrin, Ill.-------- | 1.78 | 1.7 | -- 1913 | -- | 199 | .173 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1951 | 38 | 178 | .155 | 27.5 | .32 | 192 | |
| 16-21 | Knights of Pythias Lake- | -----do---------- | Marion, Ill.-------- | .33 | .32 | Dec. 1925 | -- | 74.6 | .35 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1951 | 25.7 | 64.7 | .304 | 62.9 | 1.22 | 1,671 | |
| 16-22a | Lake Ashley------------ | Trib. of Muddy River--- | Ashley, Ill.-------- | 1.24 | 1.22 | -- 1941 | -- | 150 | .201 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1954 | 14 | 138 | .184 | 44.5 | .69 | 692 | |
| 16-23 | Christopher------------ | Trib. of King Creek---- | Christopher, Ill.---- | .925 | .858 | -- 1925 | -- | 383.94 | .598 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1960 | 35 | 353.59 | .551 | 37.1 | 1.01 | 816 | |
| 16-24 | Lake DuQuoin----------- | Reese Creek---------- | DuQuoin, Ill.------- | 10.73 | 10.35 | -- 1937 | -- | 2,003 | .316 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1957 | 20 | 1,870 | .295 | 38.3 | .64 | 534 | |
| 16-25 | W. F. Farrell---------- | Trib. of Harper Creek-- | Mt. Vernon, Ill.---- | .519 | .512 | -- 1945 | -- | 35.56 | .103 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1960 | 15 | 27.41 | .079 | 51.5 | 1.06 | 1,189 | |
| 16-26a | ICRR at Thompsonville--- | Trib. of Ewing Creek--- | Thompsonville, Ill.- | 1.799 | 1.725 | -- 1926 | -- | 352.44 | .283 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1960 | 34 | 300.63 | .241 | 48.7 | .88 | 934 | |
| 16-27 | Lake Johnston City------ | Lake Creek---------- | Johnston City, Ill.- | 3.85 | 3.75 | -- 1922 | -- | 471 | .195 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1957 | 35 | 394 | .163 | 48.3 | .59 | 620 | |
| 16-28 | Valier Outing Club------ | Andy Creek---------- | Valier, Ill.-------- | 2.47 | 2.37 | -- 1922 | -- | 369 | .208 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1957 | 35 | 320 | .18 | 41.17 | .59 | 530 | |
| 16-29 | West Frankfort (New)---- | Stevens Creek---------- | West Frankfort, Ill. | 7.622 | 7.288 | -- 1945 | -- | 2,654.7 | .502 | -- | -- | -- | IWS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1960 | 15 | 2,390.9 | .453 | 35.9 | 2.41 | 1,884 | |
| 16-30 | L. Reel-Em-In (Walker L) | Unnamed---------- | Dixon, Ky.---------- | 2.05 | 1.96 | -- 1948 | -- | 659 | .378 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1964 | 16 | 515.4 | .296 | *65 | 4.6 | 6,512 | |
| 16-31 | Rough River FRS No. 1--- | Buffalo Creek---------- | Kingswood, Ky.------ | 2.86 | 2.85 | Nov. 1955 | -- | 617 | .238 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1970 | 14.64 | 596.12 | .23 | 56.13 | 1/.5 | 1/611 | |
| 16-32a | Obion Creek FRS #24----- | Unnamed Trib. Little Cr. | Fancy Farm, Ky.----- | .37 | .35 | Nov. 1960 | -- | 1/30.35 | .088 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1965 | 5 | 1/28.8 | .083 | *80 | 1/.89 | 1/1,543 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1971 | 5.4 | 1/26.55 | .077 | *80 | 1/1.2 | 1/2,074 | |
| 16-33 | Mud River FRS No. 14---- | Antioch Creek---------- | Sharon Grove, Ky.--- | 8.59 | 8.56 | Jan. 1964 | -- | 1,379.87 | .15 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1970 | 6.33 | 1,355.49 | .15 | 75.78 | 1/.45 | 1/742 | |
| 16-34 | Caney Creek MPS #2------ | Bennett Fork---------- | Caneyville, Ky.----- | 5.77 | 5.65 | Nov. 1965 | -- | -- | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1970 | 4.5 | 1,355.4 | .33 | 77.75 | 1/1.01 | 1/1,710 | |
| 16-35 | Big Reedy FRS #9-------- | West Fork---------- | Reedyville, Ky.----- | 6.76 | 6.69 | June 1964 | -- | 998 | .154 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1970 | 5.8 | 976.95 | .15 | 77.58 | 1/.58 | 1/912 | |
| 16-36 | Beach Lake------------- | Beach River---------- | Lexington, Tenn.---- | 15.74 | 14.36 | Apr. 1964 | -- | 1/11,100 | .763 | -- | -- | -- | TVA |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1972 | 8.5 | 1/10,932 | .752 | *65 | 1/1.38 | 1/1,954 | |
| 16-37 | Cedar Lake------------- | Haley Creek---------- | -----do---------- | 4.37 | 4.15 | Apr. 1964 | -- | 1/ 875 | .167 | -- | -- | -- | TVA |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1972 | 8.5 | 1/ 861 | .164 | *65 | 1/.398 | 1/563 | |
| 16-38 | Cypress Creek MPS #3---- | Dyson Creek---------- | Sturgis, Ky.-------- | .68 | .6 | Oct. 1965 | -- | 2/ 494.19 | .99 | -- | -- | -- | TVA |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1971 | 5.66 | 2/ 475.1 | .95 | *69 | 2/5.58 | 2/8,391 | |
| 16-39 | Dogwood Lake----------- | Big Creek------------ | Darden, Tenn.------- | 5.04 | 4.34 | Oct. 1967 | -- | 1/5,514 | 1.24 | -- | -- | -- | TVA |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1972 | 5 | 1/5,463 | 1.23 | *65 | 1/2.35 | 1/3,327 | |
| 16-40 | Lost Creek Detention Dam | Lost Creek------------ | Lexington, Tenn.---- | 4.29 | 4.29 | Apr. 1964 | -- | 859 | -- | -- | -- | -- | TVA |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1972 | 8.5 | 832 | -- | 65.4 | .741 | 1,049 | |
| 16-41 | Pin Oak Lake----------- | Browns Creek---------- | Chesterfield, Tenn.- | 11.52 | 10.49 | Apr. 1965 | -- | 1/9,400 | .777 | -- | -- | -- | TVA |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1972 | 7.5 | 1/9,360 | .774 | *65 | 1/.534 | 1/756 | |
| 16-42 | Pine Lake-------------- | Pine Creek----------- | Lexington, Tenn.---- | 7.60 | 6.86 | Apr. 1965 | -- | 1/5,030 | .801 | -- | -- | -- | TVA |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1972 | 7.5 | 1/5,010 | .798 | *65 | 1/.389 | 1/551 | |
| 16-43 | Red Bud Lake----------- | Dry Creek------------ | Chesterfield, Tenn.- | 2.77 | 2.44 | Oct. 1967 | -- | 1/2,462 | .957 | -- | -- | -- | TVA |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1972 | 5 | 1/2,430 | .945 | *75 | 1/2.62 | 1/3,709 | |
| 16-44 | Sycamore Lake---------- | -----do---------- | Lexington, Tenn.---- | 2.8 | 2.45 | Apr. 1965 | -- | 1/2,015 | .823 | -- | -- | -- | TVA |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1972 | 7.5 | 1/1,989 | .805 | *65 | 1/2.5 | 1/3,539 | |
| | | | OHIO RIVER BASIN (MADISON TO UNIONTOWN)<br>Wabash River Basin | | | | | | | | | | |
| 17-1 | Huntingburg (Upper)----- | Trib. of Patoka River-- | Huntingburg, Ind.--- | .67 | .63 | July 1894 | -- | 137 | *.264 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1940 | 46.3 | 119 | *.229 | *40 | .617 | 538 | |
| 17-2a | Oakland City #2--------- | S. Fork Patoka River--- | Oakland City, Ind.-- | .52 | .4 | -- 1921 | -- | 3/850.8 | *2.116 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1940 | 19 | 3/835.8 | *2.079 | *40 | 1.937 | 1,720 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1965 | 24.9 | 811 | *2.017 | 70 | 2.490 | 3,796 | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17-3 | Shafer Lake | Tippecanoe River | Monticello, Ind. | 1,700 | 1,698 | June 1923 | -- | 14,722 | *.016 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1940 | 17.2 | 14,041 | *.016 | *75 | .023 | 38 | |
| 17-4 | Spring Mill | Mill Creek | Mitchell, Ind. | 15.03 | 4/5.29 | Oct. 1938 | -- | 178 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1948 | 9.9 | 127 | -- | *67 | .975 | 1,420 | |
| 17-5 | Greendale Lake | Connor's Branch | Xenia, Ill. | 25.1 | 25 | Aug. 1927 | -- | 306 | *.023 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1940 | 13.1 | 260 | *.02 | *70 | .14 | 213 | |
| 17-6 | Ridge Lake | Trib. of Embarrass R. | Charleston, Ill. | 1.41 | 1.38 | Apr. 1941 | -- | 187.4 | -- | -- | -- | -- | IWS |
| | do | do | do | -- | -- | Sept 1947 | 6.4 | 171.9 | -- | 72.4 | 1.75 | 2,760 | |
| 17-7 | Vermilion Lake | N. Fork Vermilion R. | Danville, Ill. | 267 | 266 | June 1915 | -- | 5/8,643 | *.061 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1940 | 25.3 | 7,438 | *.052 | *70 | .179 | 273 | |
| 17-8 | Brown Park Lake | Trib. of Raccoon Creek | Flora, Ill. | 1.34 | 1.33 | -- 1938 | -- | 49.08 | .057 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | June 1959 | 21 | 37.75 | .044 | 58.6 | .4 | 510 | |
| 17-9 | Craig & Davidson's Lake | do | Martinsville, Ill. | .465 | .427 | -- 1947 | -- | 187.75 | .631 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | June 1959 | 12 | 175.18 | .588 | 33.14 | 2.46 | 1,775 | |
| 17-10 | Farina Lake | None | Laclede, Ill. | .538 | .531 | -- 1928 | -- | 16.4 | .057 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | Aug. 1958 | 30 | 13.3 | .046 | 61.94 | .19 | 256 | |
| 17-11 | Graham Lake | Trib. of Veale Creek | Washington, Ind. | .34 | .31 | Aug. 1950 | -- | 104.8 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1956 | 6 | 104.4 | -- | -- | .218 | -- | |
| 17-12a | ICRR at Bluford | Fourmile Creek | Bluford, Ill. | 3.353 | 3.199 | -- 1926 | -- | 670.7 | .3 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | June 1960 | 34 | 609.7 | .273 | 43.5 | .565 | 493 | |
| 17-13 | Jones Pond | Trib. of Flat Creek | Otwell, Ind. | .034 | .031 | Oct. 1954 | -- | 10.7 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. 1956 | 1.5 | 10.6 | -- | -- | 2.1 | -- | |
| 17-14a | Olney Reservoir (New) | Trib. of East Fork | Olney, Ill. | 3.36 | 3.15 | Sept 1954 | -- | 1,555.3 | .723 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | Aug. 1960 | 6.9 | 1,517.4 | .706 | 30.3 | 1.7 | 1,460 | |
| 17-15 | Patterson Lake | Trib. of Dismal Creek | Edgewood, Ill. | .959 | .912 | -- 1926 | -- | 316.75 | .516 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | July 1959 | 33 | 281.09 | .458 | 48.54 | 1.18 | 1,247 | |
| 17-16b | Plum Creek No. 15 | Little Plum Creek | Taylorsville, Ky. | 1.03 | .99 | Sept 1956 | -- | 1/61.6 | .07 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. 1959 | 2.5 | 1/56.8 | .06 | 45 | 1/1.94 | 1/1,901 | |
| | do | do | do | -- | -- | Oct. 1960 | 1.5 | 1/50.5 | .06 | 53 | 1/4.24 | 1/5,460 | |
| | do | do | do | -- | -- | Mar. 1975 | 14.4 | 1/41.3 | .05 | 86.4 | 1/.65 | 1/850 | |
| 17-17a | Plum Creek No. 17 | Trib. of Little Plum Cr. | do | .56 | .55 | Dec. 1956 | -- | 126.3 | .26 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. 1959 | 2.33 | 123.7 | .25 | 56 | 2.01 | 2,452 | |
| | do | do | do | -- | -- | Oct. 1960 | 1.5 | 121.2 | .25 | 47 | 3 | 2,581 | |
| | do | do | do | -- | -- | Mar. 1975 | 14.42 | 117.4 | .24 | 53 | .47 | 633 | |
| 17-18 | Steiner Lake | Trib. of Pond Creek | Fairfield, Ill. | .308 | .295 | -- 1945 | -- | 53.68 | .261 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | June 1960 | 15 | 48.62 | .237 | 41.3 | 1.15 | 1,034 | |
| 17-19 | Stevenson's Lake | Trib. of Kettering Br. | Martinsville, Ill. | .342 | .327 | -- 1950 | -- | 52.11 | .238 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | June 1959 | 9 | 46.5 | .212 | 48 | 1.89 | 1,975 | |
| 17-20 | Vevay Park Lake | Trib. of Range Creek | Greenup, Ill. | .294 | .278 | -- 1906 | -- | 67.41 | .391 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | June 1959 | 53 | 54.5 | .316 | 47.61 | .87 | 902 | |
| 17-21 | Beaver Lake | Beaver Creek | Dubois, Ind. | 3.95 | 3.56 | Oct. 1955 | -- | 2,486 | *.787 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1964 | 9 | 2,409.8 | *.763 | 55 | 2.38 | 2,851 | |
| 17-22 | Scottsburg Lake | Trib. of Muscatatuck | Scottsburg, Ind. | 2.98 | 2.98 | Fall 1949 | -- | 749.02 | *.294 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1961 | 12 | 713.24 | *.28 | 60.8 | 1 | 1,324 | |
| 17-23 | Cagles Mill (Cataract L.) | Mill Creek | Cloverdale, Ind. | 295 | 287 | Dec. 1952 | -- | 6/232,370 | 1.123 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Feb. 1962 | 9.17 | 230,906 | 1.116 | 62.8 | .54 | 739 | |
| 17-24 | Lake Charleston | Embarrass | Charleston, Ill. | 811 | 811 | -- 1947 | -- | 2,280 | -- | -- | -- | -- | IWS |
| | do | do | do | -- | -- | -- 1960 | 13 | 1,395 | .003 | -- | .084 | 108 | |
| | do | do | do | -- | -- | -- 1974 | 14 | 865 | .002 | 59.3 | .047 | 61 | |
| 17-25 | Lake Salinda | Hoggatt Br. (Blue R.) | Salem, Ind. | 5.7 | 5.525 | Jan. 1949 | -- | 1,015.2 | .209 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. 1971 | 22.2 | 890.6 | .183 | 57.8 | 1.02 | 1,279 | |
| 17-26 | Upper Wabash Site #1 | Wabash River | New Weston, Ohio | 13.07 | 12.83 | June 1964 | -- | 1,550.4 | .24 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1971 | 7.2 | 1,522.1 | .24 | 55.9 | .31 | 373 | |
| ✓ 17-27 | Upper Wabash Site #2 | Trib. Wabash River | Burketsville, Ohio | 1.12 | 1.07 | Oct. 1963 | -- | 123 | .22 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Mar. 1972 | 8.3 | 115.6 2/ | .21 | *80 | .84 | 1,467 | |

TENNESSEE RIVER BASIN (BELOW HALES BAR DAM)
Cumberland and Green River Basins

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18-1 | Radnor Lake | Other Creek | Nashville, Tenn. | 2.1 | 2 | Mar. 1915 | -- | 1,313 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. 1940 | 25.7 | 1,279 | -- | -- | .66 | -- | |
| 18-2a | Lake Tandy | Little River | Hopkinsville, Ky. | 6.1 | 6 | -- 1907 | -- | 769 | .135 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Jan. 1941 | 34 | 564 | .099 | 43 | 1 | 936 | |
| | do | do | do | -- | -- | June 1959 | 18.5 | 509 | .089 | 43 | .495 | 463 | |
| 18-3c | Great Falls | Caney Fork River | Rock Island, Tenn. | 1,675 | 1,671 | Sept 1935 | -- | 54,925 | .024 | -- | -- | -- | TVA |
| | do | do | do | -- | -- | Aug. 1947 | 12 | 52,370 | .023 | *70 | .127 | 166 | |
| | do | do | do | -- | -- | Jan. 1954 | 6.4 | 51,836 | .023 | *60 | .05 | 65 | |
| | do | do | do | -- | -- | Sept 1960 | 6.6 | 51,591 | .022 | *60 | .022 | 29 | |
| | do | do | do | -- | -- | Nov. 1969 | 9.2 | 51,281 | .023 | *60 | .02 | 26 | |
| 18-4c | Guntersville | Tennessee River | Guntersville, Ala. | 24,450 | 2,550 | Nov. 1940 | -- | 1,097,380 | -- | -- | -- | -- | TVA |
| | do | do | do | -- | -- | June 1947 | 5.6 | 1,080,897 | -- | *55 | .879 | 1,170 | |
| | do | do | do | -- | -- | May 1956 | 8.9 | 1,078,164 | -- | *55 | .641 | 408 | |
| | do | do | do | -- | -- | July 1961 | 5.1 | 1,064,228 | -- | *55 | .687 | 823 | |
| 18-5c | Wheeler | do | Town Creek, Ala. | 29,590 | 7/5,033 | Oct. 1936 | -- | 8/1,122,000 | -- | -- | -- | -- | TVA |
| | do | do | do | -- | -- | June 1947 | 10.7 | 8/1,071,717 | -- | *55 | 7/-- | 7/-- | |
| | do | do | do | -- | -- | May 1953 | 6 | 8/1,061,411 | -- | *55 | .341 | 408 | |
| | do | do | do | -- | -- | June 1956 | 3 | 1,061,005 | -- | *55 | .027 | 32 | |
| | do | do | do | -- | -- | Aug. 1961 | 5.1 | 1,050,303 | -- | *55 | .417 | 500 | |

1/ Sediment or conservation pool only.
2/ Multiple-use pool.
3/ Items are based on corrected instrument surveys of shore line and range locations as used in the 1965 survey.
4/ The noncontributing drainage area is chiefly closed or plugged limestone sinkholes.
5/ In July 1925. In June 1915, spillway elevation was 5 feet lower and capacity was 1,226 ac.-ft.
6/ Revised from 228,120 to 232,370 ac.-ft.
7/ Guntersville Dam closed Jan. 19, 1939, reducing sediment contributing area to 5,033 sq. mi.
8/ Multiple-use capacity excluding diked areas.
9/ 1953 survey revised.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **TENNESSEE RIVER BASIN (BELOW HALES BAR DAM)** Cumberland and Green River Basins (Continued) | | | | | | | |
| 18-6c | Wilson | Tennessee River | Florence, Ala. | 30,750 | 1,135 | Dec. 1928 | -- | 687,000 | -- | -- | -- | -- | TVA |
| | -----do | -----do | -----do | -- | -- | Dec. 1931 | 3 | 674,000 | -- | *53 | 1/.479 | 552 | |
| | -----do | -----do | -----do | -- | -- | Dec. 1936 | 5 | 652,000 | -- | *53 | 1/.49 | 565 | |
| | -----do | -----do | -----do | -- | -- | Sept 1946 | 9.8 | 651,000 | -- | *53 | 2/.12 | 138 | |
| | -----do | -----do | -----do | -- | -- | June 1951 | 4.7 | 650,000 | -- | *53 | 2/.12 | 138 | |
| | -----do | -----do | -----do | -- | -- | June 1956 | 5 | 648,000 | -- | *53 | 2/.401 | 462 | |
| | -----do | -----do | -----do | -- | -- | Aug. 1961 | 5.1 | 641,000 | -- | *53 | 2/1.274 | 1,471 | |
| 18-7c | Pickwick Landing | -----do | Pickwick, Tenn. | 32,820 | 1,997 | Feb. 1938 | -- | 1,130,313 | -- | -- | -- | -- | TVA |
| | -----do | -----do | -----do | -- | -- | Sept 1946 | 8.6 | 1,116,389 | -- | *53 | .811 | 936 | |
| | -----do | -----do | -----do | -- | -- | June 1951 | 4.7 | 1,118,082 | -- | *53 | 3/-.18 | -- | |
| | -----do | -----do | -----do | -- | -- | June 1956 | 5.1 | 1,116,811 | -- | *53 | .125 | 144 | |
| | -----do | -----do | -----do | -- | -- | Aug. 1961 | 5.2 | 1,105,256 | -- | *53 | 1.113 | 1,285 | |
| 18-8c | Kentucky | -----do | Gilbertsville, Ky. | 40,200 | 7,131 | Aug. 1946 | -- | 4/2,879,549 | -- | -- | -- | -- | TVA |
| | -----do | -----do | -----do | -- | -- | May 1951 | 4.7 | 4/2,855,440 | -- | *53 | .719 | 830 | |
| | -----do | -----do | -----do | -- | -- | July 1956 | 5.2 | 4/2,814,388 | -- | *53 | 1.107 | 1,278 | |
| | -----do | -----do | -----do | -- | -- | Oct. 1961 | 5.2 | 4/2,790,855 | -- | *53 | .635 | 733 | |
| 18-9 | Dale Hollow | Obey River | Celina, Tenn. | 935 | 887 | Apr. 1943 | -- | 1,706,000 | 1.533 | -- | -- | -- | CE |
| | -----do | -----do | -----do | -- | -- | June 1960 | 17.2 | -- | -- | -- | -- | -- | |
| 18-10 | Old Hickory | Cumberland River | Old Hickory, Tenn. | 5/11,674 | 2,741 | June 1954 | -- | 467,000 | -- | -- | -- | -- | CE |
| | -----do | -----do | -----do | -- | -- | June 1965 | 11 | 453,703 | -- | -- | .441 | -- | |
| 18-11 | Wolf Cr. (L. Cumberland) | -----do | Jamestown, Ky. | 5,789 | 5,690 | Aug. 1950 | -- | 6,089,000 | .912 | -- | -- | -- | CE |
| | -----do | -----do | -----do | -- | -- | June 1963 | 12.83 | -- | -- | -- | -- | -- | |
| 18-12 | Rough River Reservoir | Rough River | Falls of Rough, Ky. | 454 | 437.56 | Dec. 1959 | -- | 332,940 | .866 | -- | -- | -- | CE |
| | -----do | -----do | -----do | -- | -- | July 1969 | 9.75 | 329,670 | .857 | 70.27 | .765 | 1,170 | |
| 18-13a | Upper Green R. #5 (Pilot) | South Fork | Stanford, Ky. | 1.44 | 1.41 | Sept 1955 | -- | 320.71 | .22 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Apr. 1966 | 10.5 | 316.59 | .22 | 59.9 | 6/.28 | 6/364 | |
| | -----do | -----do | -----do | -- | -- | June 1971 | 5.16 | 307.16 | .21 | -- | 6/1.3 | 6/1,670 | |
| 18-14 | East Fork Pond R. #5A | Buck Creek | Hopkinsville, Ky. | 21.08 | 20.58 | Apr. 1970 | -- | 5,504.65 | .29 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Apr. 1975 | 5 | 5,483.13 | .29 | *60 | .21 | 273 | |
| | | | | | | **OHIO RIVER BASIN (POINT PLEASANT TO MADISON)** Kanawha, Big Sandy, Licking, Kentucky, Scioto, and Miami River Basins | | | | | | | |
| 19-1 | Lake Placid | Unnamed | Lancaster, Ky. | .2 | .2 | Oct. 1902 | -- | 114 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Sept 1941 | 38.9 | 95 | -- | -- | 7/2.5 | -- | |
| 19-2 | Radford | Little River | Radford, Va. | 329 | 329 | Aug. 1934 | -- | 1,646 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | July 1944 | 10 | 1,018 | -- | *70 | .191 | 291 | |
| 19-3 | Englewood | Stillwater | Dayton, Ohio | 651 | 639 | -- | 1927 8/-- | 312,000 | *.81 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1942 15 | 311,648 | *.809 | 77.5 | .037 | 63 | |
| 19-4 | Germantown | Twin Creek | Germantown, Ohio | 270 | 264 | -- | 1927 8/-- | 106,000 | *.554 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1942 15 | 105,618 | *.552 | 79.5 | .097 | 168 | |
| 19-5b | Griggs | Scioto River | Columbus, Ohio | 1,053 | 1,052 | -- | 1905 -- | 4,563 | .008 | -- | -- | -- | ODW |
| | -----do | -----do | -----do | -- | -- | -- | 1935 30 | 3,920 | .007 | *65 | .02 | 28 | |
| | -----do | -----do | -----do | -- | -- | -- | 1951 16 | 3,928 | .007 | 59.4 | -- | -- | |
| | -----do | -----do | -----do | -- | -- | -- | 1964 13 | 3,737 | .007 | -- | .014 | -- | |
| 19-6 | Ohio Cons. Pond No. 73 | Blacklick Creek | -----do | 24 | 24 | Nov. 1936 | -- | 4.68 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | June 1939 | 2.6 | 2.53 | -- | -- | .035 | -- | |
| 19-7 | Ohio Cons. Pond No. 74 | -----do | -----do | 23 | 23 | Jan. 1937 | -- | 1.04 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Nov. 1939 | 2.8 | .52 | -- | -- | .008 | -- | |
| 19-8a | Lake White | Pee Dee Creek | Waverly, Ohio | 37.4 | 36.9 | Oct. 1935 | -- | 3,734 | -- | -- | -- | -- | ODW |
| | -----do | -----do | -----do | -- | -- | Dec. 1947 | 12 | 3,338 | -- | -- | .894 | -- | |
| | -----do | -----do | -----do | -- | -- | Aug. 1951 | 4 | 9/3,706 | -- | 68 | 1.73 | -- | |
| 19-9 | Herrington Lake | Dix River | Harrodsburg, Ky. | 437 | 431 | Oct. 1925 | -- | 258,949 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Oct. 1941 | 16 | 255,706 | -- | -- | .471 | -- | |
| 19-10 | Walton | Bank Lick Creek | Walton, Ky. | .25 | .24 | -- | 1931 -- | 128 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1937 6 | 122 | -- | *50 | 4.46 | 4,860 | |
| 19-11 | Williamstown | Grassy Creek | Williamstown, Ky. | .47 | .47 | -- | 1930 -- | 113 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1937 7 | 106 | -- | -- | 2.13 | -- | |
| 19-12 | Byllesby | New River | Byllesby, Va. | 1,310 | 1,310 | Aug. 1912 | -- | 8,892 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | May 1936 | 23.66 | 3,538 | -- | -- | 10/.184 | -- | |
| 19-13a | O'Shaughnessy | Scioto River | Dublin, Ohio | 988 | 987 | Fall 1925 | -- | 11/16,673 | *.026 | -- | -- | -- | ODW |
| | -----do | -----do | -----do | -- | -- | -- | 1934 12/9 | 15,604 | *.024 | *65 | .121 | 171 | |
| | -----do | -----do | -----do | -- | -- | -- | 1942 12/8 | 14,538 | *.023 | *65 | .135 | 191 | |
| | -----do | -----do | -----do | -- | -- | July 1951 | 9 | 14,162 | *.022 | 44.2 | .063 | 60 | |
| 19-14a | Decker Lake | Patterson Run | Piqua, Ohio | 2.33 | 2.3 | -- | 1940 -- | 115 | *.084 | -- | -- | -- | ODW |
| | -----do | -----do | -----do | -- | -- | June 1950 | 10 | 94 | *.069 | 51.91 | .913 | 1,032 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19-15b | Madison Lake | Deer Creek | London, Ohio | 57.2 | 57 | -- | 1946 | -- | 594 | -- | -- | -- | -- | ODW |
| | do | do | do | -- | -- | June | 1949 | 2.6 | 530.2 | -- | 49 | .43 | 459 | |
| | do | do | do | -- | -- | June | 1951 | 2 | 511 | -- | 45.9 | .17 | 170 | |
| | do | do | do | -- | -- | June | 1954 | 3 | 486.7 | -- | 49.9 | .14 | 152 | |
| 19-16b | Grant Lake | Sterling Run | Mt. Orab, Ohio | 25.25 | 24.97 | Dec. | 1948 | -- | 1,140 | .0564 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | July | 1950 | 1.6 | 1,111 | .055 | 86.6 | .721 | 1,360 | |
| | do | do | do | -- | -- | Sept | 1957 | 7 | 1,068 | .0529 | -- | .247 | -- | |
| | do | do | do | -- | -- | Aug. | 1962 | 5 | 1,027 | .0508 | -- | .324 | -- | |
| | do | do | do | -- | -- | July | 1971 | 9 | 965 | .0478 | -- | .274 | -- | |
| 19-17 | Caldwell Lake | Trib. of Stoney Creek | Waverly, Ohio | 1.02 | 1 | -- | 1937 | -- | 88 | *.124 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Sept | 1949 | 12 | 85 | *.12 | *60 | .253 | 331 | |
| 19-18 | Stewart Lake | do | Chillicothe, Ohio | .31 | .3 | -- | 1939 | -- | 74 | -- | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Sept | 1951 | 12.3 | 71 | -- | *60 | .87 | 1,137 | |
| 19-19 | Pine Lake | Tar Hollow Creek | Gillespieville, O. | 2.42 | 2.4 | Fall | 1938 | -- | 134 | .073 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Aug. | 1950 | 11.7 | 123 | .067 | 68.95 | .396 | 595 | |
| 19-20c | Kiser Lake | Mosquito Creek | St. Paris, Ohio | 8.73 | 8.15 | Jan. | 1940 | -- | 3,215 | .575 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Jan. | 1950 | 10.5 | 3,010 | .539 | *50 | 2.4 | 2,610 | |
| | do | do | do | -- | -- | July | 1954 | 4 | 2,929 | .524 | 39.7 | 2.48 | 2,144 | |
| | do | do | do | -- | -- | June | 1962 | 8 | 2,867 | .513 | -- | .95 | -- | |
| 19-21 | Eversole Run (Trib. arm of O'Shaughnessy Res.) | Eversole Run | Dublin, Ohio | 13.8 | 13.7 | -- | 1925 | -- | 384 | -- | -- | -- | -- | ODW |
| | do | do | do | -- | -- | -- | 1951 | 26 | 295 | -- | 55.5 | .25 | 302 | |
| 19-22 | Allen Lake | Trib. of Silver Creek | Kenton, Ohio | .5 | .5 | -- | 1938 | -- | 12 | *.043 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Aug. | 1951 | 13 | 10 | *.036 | 52.6 | .26 | 298 | |
| 19-23 | Sylvan Lake (Lower) | Trib. of Beaver Creek | Vienna, Ohio | 1.85 | 1.39 | -- | 1947 | -- | 275 | -- | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Aug. | 1951 | 3.8 | 261 | -- | 44.8 | 2.73 | 2,664 | |
| 19-24 | Sylvan Lake (Upper) | do | do | .4 | .38 | -- | 1948 | -- | 63 | -- | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Aug. | 1951 | 2.8 | 59 | -- | *45 | 3.53 | 3,460 | |
| 19-25 | Hosterman Lake | Trib. of Mad River | Springfield, Ohio | 1.59 | 1.58 | Nov. | 1938 | -- | 83 | -- | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Aug. | 1951 | 12.7 | 75 | -- | 66.2 | .38 | 548 | |
| 19-26 | Reynolds Pond | Trib. of Barren Creek | Bidwell, Ohio | .7 | .7 | -- | 1940 | -- | 18 | *.034 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Aug. | 1950 | 10 | 15 | *.029 | 57.4 | .441 | 551 | |
| 19-27 | Mt. Gilead Lake (Upper) | Sams Creek | Mt. Gilead, Ohio | 8.55 | 13/5.5 | -- | 1930 | -- | 28 | *.006 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Oct. | 1948 | 18 | 24 | *.005 | *60 | .039 | 51 | |
| 19-28 | Schott Pond | Trib. of Big Walnut Cr. | Westerville, Ohio | .82 | .82 | -- | 1921 | -- | 7.3 | -- | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Aug. | 1951 | 30 | 4.8 | -- | 57.1 | .1 | 124 | |
| 19-29a | Lake Alma | Unnamed | Wellston, Ohio | .81 | .7 | -- | 1901 | -- | 774 | -- | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Sept | 1951 | 50 | 744 | -- | 55.5 | .84 | 1,015 | |
| 19-30 | Maple Grove Lake | Sams Creek | Mt. Gilead, Ohio | 3.05 | 3.04 | -- | 1932 | -- | 28.1 | *.014 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Sept | 1949 | 17 | 23.9 | *.012 | 83.2 | .079 | 143 | |
| 19-31 | Pond Lick Lake | Pond Lick Run | Friendship, Ohio | 2.54 | 2.53 | -- | 1938 | -- | 48 | *.024 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | July | 1950 | 12.3 | 39 | *.019 | 58.8 | .277 | 355 | |
| 19-32 | Wolfden Lake | Wolfden Run | do | .6 | .6 | -- | 1936 | -- | 25.4 | *.053 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | July | 1950 | 14.3 | 23.1 | *.048 | 59.92 | .272 | 355 | |
| 19-33 | Bear Lake | Left Fork Bear Creek | do | .48 | .47 | -- | 1935 | -- | 33 | *.086 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | July | 1950 | 15.3 | 32 | *.083 | 67.02 | .194 | 283 | |
| 19-34 | McBride Lake | Trib. of Pond Run | do | .61 | .61 | -- | 1937 | -- | 13 | *.027 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | July | 1950 | 13.3 | 11 | *.023 | 34.01 | .225 | 167 | |
| 19-35 | Roosevelt Lake | Turkey Creek | do | 16.38 | 15.76 | -- | 1935 | -- | 101 | *.088 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | July | 1950 | 15.3 | 67 | *.005 | 61 | .14 | 186 | |
| 19-36a | Adams Lake | Lick Creek | West Union, Ohio | 4.45 | 4.09 | Spring | 1947 | -- | 318 | .087 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | July | 1950 | 3.5 | 304 | .086 | 58.24 | .095 | 1,038 | |
| | do | do | do | -- | -- | Aug. | 1960 | 10 | 277 | .076 | -- | .624 | -- | |
| 19-37 | Vesuvius Lake | Storms Creek | Ironton, Ohio | 10.9 | 10.7 | -- | 1937 | -- | 1,553 | .194 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | June | 1949 | 12 | 1,463 | .183 | *54 | .697 | 820 | |
| | do | do | do | -- | -- | July | 1952 | 3 | 1,463 | .183 | 54 | .019 | 22 | |
| 19-38 | Pike Lake | Richardson Hollow of Morgan Fork | Bainbridge, Ohio | 3.44 | 3.42 | -- | 1937 | -- | 14/91.4 | -- | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Aug. | 1950 | 13 | 14/86.5 | -- | 40.2 | .11 | 963 | |
| 19-39a | Upper Hocking No. 2 | Hunters Run | Lancaster, Ohio | 1.87 | 1.815 | Apr. | 1956 | -- | 810 | *.64 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June | 1961 | 5 | 804.04 | *.63 | 68.24 | .66 | 976 | |
| | do | do | do | -- | -- | Aug. | 1971 | 10.2 | 795.41 | .62 | 59.3 | .47 | 539 | |
| 19-40 | Jackson Lake | Black Fork River | Oak Hill, Ohio | 18.8 | 18.4 | -- | 1940 | -- | *1,700 | -- | -- | -- | -- | ODW |
| | do | do | do | -- | -- | -- | 1951 | 11 | *1,590 | -- | *60 | .54 | 705 | |
| 19-41 | Loramie Lake | Loramie Creek | Ft. Loramie, Ohio | 78.7 | 77.4 | -- | 1840 | -- | 4,115 | .099 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | -- | 1960 | 120 | 3,115 | .075 | *65 | .11 | 156 | |
| 19-42a | Sharon Woods Reservoir | Sharon Creek | Sharonville, Ohio | 4.88 | 4.82 | -- | 1939 | -- | 289 | -- | -- | -- | -- | ODW |
| | do | do | do | -- | -- | -- | 1942 | 2.3 | 274 | -- | *70 | 1.27 | 1,936 | |
| | do | do | do | -- | -- | -- | 1945 | 3.6 | 232 | -- | *70 | 2.44 | 3,720 | |
| | do | do | do | -- | -- | -- | 1949 | 4 | 206 | -- | *70 | 1.38 | 2,104 | |
| 19-43 | Cowan Lake | Cowan Creek | Wilmington, Ohio | 49.6 | 48.5 | -- | 1947 | -- | 13,305 | .367 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | -- | 1960 | 13 | 12,770 | .352 | *50 | .847 | 923 | |
| 19-44 | Hargus Lake | Hargus Creek | Circleville, Ohio | 6.6 | 6.4 | -- | 1956 | -- | 2,926 | .671 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | -- | 1960 | 4 | 2,892 | .663 | *50 | 1.33 | 1,450 | |

1/ Used drainage area below Hales Bar Dam (8,935 sq. mi.).
2/ Sediment contributing area reduced by closing Wheeler Dam, Oct. 3, 1936, to 1,135 sq. mi.
3/ Minus (-) indicates scour (treated as negative sediment).
4/ Multiple-use capacity excluding diked areas.
5/ Uncontrolled drainage area 2,776 sq. mi.
6/ Sediment accumulations below elevation 1045'. Flood Pool Elev. = 1062.
7/ Including 19,000 cu. yd. dredged in 1930.
8/ Year survey ranges were established.
9/ 1951 survey includes several additional ranges. Results of 1947 and 1951 surveys are not directly comparable.
10/ Based on total sediment in Washington Mill, Buck, Byllesby, and Fields Reservoirs; total drainage area 1,320 sq. mi.
11/ Without 3 ft. flashboards added in 1945.
12/ Survey dates: Sept.-Nov. 1934; Sept.-Dec. 1942.
13/ 1932 correction for Maple Grove.
14/ Reservoir partially dredged in March-April 1949. Data on amount of material are unreliable. Actual amounts of sediment probably 10 to 25 percent greater than indicated.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | OHIO RIVER BASIN (POINT PLEASANT TO MADISON) Kanawha, Big Sandy, Licking, Kentucky, Scioto, and Miami River Basins (Continued) | | | | | | | | | | |
| 19-45 | Hillsboro | Trib. of Clear Creek | Hillsboro, Ohio | .73 | .69 | -- 1946 | -- | 279.9 | .503 | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | -- 1955 | 9 | 271.4 | .487 | *40 | 1.36 | 1,190 | |
| 19-46a | Delaware Lake | Olentangy River | Delaware, Ohio | 386 | 384 | Mar. 1951 | -- | 1/14,000 | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | May 1960 | 9.25 | 1/13,480 | -- | *65 | .15 | 208 | |
| | -do- | -do- | -do- | -- | -- | May 1975 | 14.99 | 12,900 | -- | *65 | .1 | 148 | |
| 19-47 | W. Fk. Mill Creek Res. (Winton Lake) | W. Fork Mill Creek | Cincinnati, Ohio | 29.5 | 28.6 | Dec. 1952 | -- | 2/11,466 | .609 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | May 1961 | 8.42 | 11,207 | .595 | 71.8 | 1.08 | 1,689 | |
| 19-48 | Brush Creek Reservoir | Brush Creek | Butlerville, Ind. | 13.4 | 13.11 | Dec. 1953 | -- | 2,067.4 | .183 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1963 | 9.6 | 1,883 | .167 | 48 | 1.47 | 1,536 | |
| 19-49 | Whitewater Lake | Silver Creek | Liberty, Ind. | 19.29 | 19 | Sept 1954 | -- | 3,590 | *.249 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1963 | 8.8 | 3,415.6 | *.237 | 67.5 | 1.04 | 1,529 | |
| 19-50 | Jisco Lake | Trib. Little Salt Creek | Jackson, Ohio | 1.67 | 1.58 | -- 1952 | -- | 1,109 | .86 | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | Sept 1968 | 16 | 1,092 | .846 | 43.7 | .67 | 638 | |
| | -do- | -do- | -do- | -- | -- | Aug. 1970 | 2 | 1,088 | .843 | 50.7 | 1.15 | 2,108 | |
| 19-51 | Clark Lake | Sinking Creek | Vienna, Ohio | 6.88 | 6.72 | Late 1957 | -- | 507.8 | .106 | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | Sept 1961 | 3.8 | 485.2 | .100 | -- | .665 | -- | |
| | -do- | -do- | -do- | -- | -- | July 1968 | 7 | 482.4 | .098 | -- | .312 | -- | |
| 19-52 | Acton Lake | Four Mile Creek | Oxford, Ohio | 107.4 | 106.5 | Feb. 1957 | -- | 9,607 | .134 | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | Aug. 1961 | 3/5 | 9,393 | .131 | -- | .402 | -- | |
| 19-53 | Middle Fork Reservoir | M. Fk. of E. Fk. White Water Reservoir | Richmond, Ind. | 48.14 | 47.87 | Jan. 1962 | -- | 3,250 | .101 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. 1967 | 5.5 | 3,040.71 | .095 | 49.6 | .79 | 850 | |
| 19-54 | Colonial Mine Lake | Lambs Creek | Beulah, Ky. | 1.05 | 1 | Fall 1947 | -- | 206.77 | .227 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | May 1967 | 20 | 193.93 | .214 | *70 | .642 | 978 | |
| 19-55 | "A" Strip Mine Lake | Clear Creek D. A. | Richland, Ky. | .009 | .009 | -- 1947 | -- | 53 | 3.68 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Nov. 1967 | 20 | 49.3 | 3.42 | *80 | 20.56 | 35,824 | |
| 19-56 | Bluestone Lake | New River | Hinton, W. Va. | 4,603 | 4/2,221 | July 1949 | -- | 631,000 | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | May 1965 | 15.8 | 625,800 | -- | *55 | .15 | 180 | |
| 19-57 | Cowbell Lake-Red Lick WS | Cowbell Creek | Big Hill, Ky. | 1.1 | 1.07 | -- 1954 | -- | 511.8 | .46 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1974 | 20 | 505.5 | .45 | 64 | .29 | 411 | |
| 19-58 | Fishtrap Lake | Levisa Fork | Millard, Ky. | 392 | 387.8 | Oct. 1968 | -- | 5/37,480 | .115 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Mar. 1972 | 3.42 | 34,010 | .104 | *50 | 2.6 | 3,115 | |
| | -do- | -do- | -do- | -- | -- | Jan. 1974 | 1.85 | 32,420 | .099 | 60.5 | 2.22 | 2,921 | |
| 19-59 | Fox Creek MPS #4 | Sand Lick Creek | Flemingsburg, Ky. | 7.31 | 7.06 | Sept 1968 | -- | 5/523 | .085 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Feb. 1975 | 6.5 | 507 | .082 | 60 | .34 | 417 | |
| 19-60 | Grayson Lake | Little Sandy River | Leon, Ky. | 196 | 193.6 | Aug. 1965 | -- | 5/29,400 | .177 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Dec. 1974 | 9.33 | 29,000 | .174 | *60 | .22 | 291 | |
| 19-61 | Little Kentucky R. #4 | Trib. of Bartlette | Newcastle, Ky. | 2.42 | 2.35 | Mar. 1964 | -- | 424.42 | 1.3 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Mar. 1975 | 11 | 405.24 | 1.23 | 53.5 | .73 | 846 | |
| 19-62 | Sutton Lake | Elk River | Sutton, W. Va. | 537 | 530.9 | Feb. 1960 | -- | 265,270 | .34 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Jan. 1973 | 12.91 | 264,640 | .34 | *60 | 6/.16 | 6/209 | |
| | | | TENNESSEE RIVER BASIN (ABOVE HALES BAR DAM) | | | | | | | | | | |
| 20-1b | South Holston | S. Fork Holston River | Bristol, Tenn. | 703 | 691 | Nov. 1950 | -- | 5/661,888 | .905 | -- | -- | -- | TVA |
| | -do- | -do- | -do- | -- | -- | June 1958 | 7.6 | 660,581 | .903 | *55 | .249 | 298 | |
| | -do- | -do- | -do- | -- | -- | Aug. 1964 | 6.2 | 657,963 | .9 | *55 | .611 | 732 | |
| 20-2b | Watauga | Watauga River | Hampton, Tenn. | 468 | 458 | Dec. 1948 | -- | 5/572,600 | 1.159 | -- | -- | -- | TVA |
| | -do- | -do- | -do- | -- | -- | Mar. 1953 | 4.3 | 571,402 | 1.156 | *55 | .609 | 730 | |
| | -do- | -do- | -do- | -- | -- | Apr. 1958 | 5 | 570,100 | 1.154 | *55 | .568 | 680 | |
| | -do- | -do- | -do- | -- | -- | Aug. 1964 | 6.4 | 568,839 | 1.151 | *55 | .43 | 515 | |
| 20-3b | Boone | S. Fork Holston River | Kingsport, Tenn. | 1,840 | 662 | Dec. 1952 | -- | 196,668 | -- | -- | -- | -- | TVA |
| | -do- | -do- | -do- | -- | -- | June 1958 | 5.5 | 195,633 | -- | *55 | .284 | 340 | |
| | -do- | -do- | -do- | -- | -- | Sept 1964 | 6.3 | 193,446 | -- | *55 | .52 | 623 | |
| 20-4b | Fort Patrick Henry | -do- | -do- | 1,903 | 62 | Oct. 1953 | -- | 27,110 | -- | -- | -- | -- | TVA |
| | -do- | -do- | -do- | -- | -- | June 1959 | 5.6 | 26,945 | -- | *55 | .468 | 561 | |
| | -do- | -do- | -do- | -- | -- | Nov. 1964 | 5.5 | 26,941 | -- | *55 | .012 | 14 | |
| 20-5c | Cherokee | Holston River | Jefferson City, TN | 3,428 | 7/1,477 | Dec. 1941 | -- | 1,559,570 | -- | -- | -- | -- | TVA |
| | -do- | -do- | -do- | -- | -- | Apr. 1949 | 7.4 | 1,550,932 | -- | *55 | .34 | 407 | |
| | -do- | -do- | -do- | -- | -- | Apr. 1954 | 5 | 1,547,776 | -- | *55 | -- | 7/-- | |
| | -do- | -do- | -do- | -- | -- | June 1959 | 5.1 | 1,545,960 | -- | *55 | .241 | 289 | |
| | -do- | -do- | -do- | -- | -- | June 1964 | 5 | 1,543,927 | -- | *55 | .276 | 331 | |

| | | | | | |
|---|---|---|---|---|---|
| 20-6d | Nolichucky | Nolichucky River | Greenville, Tenn. | 1,183 | 1,182 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| 20-7c | Douglas | French Broad River | Sevierville, Tenn. | 4,541 | 2,854 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| 20-8c | Fort Loudoun | Tennessee River | Lenoir City, Tenn. | 9,550 | 1,556 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| 20-9b | Thorpe | W. Fk. Tuckasegee River | Glenville, N. C. | 36.7 | 34.4 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| 20-10b | Nantahala | Nantahala River | Aquone, N. C. | 91 | 88 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| 20-11c | Fontana | Little Tennessee River | Fontana, N. C. | 1,571 | 1,426 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| 20-12 | Cheoah | -do- | Tapoco, N. C. | 1,608 | 1,507 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| 20-13c | Caryville | Cove Creek | Caryville, Tenn. | 35.98 | 35.65 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| 20-14c | Norris | Clinch River | Norris, Tenn. | 2,912 | 2,823 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| 20-15c | Watts Bar | Tennessee River | Spring City, Tenn. | 17,310 | 2,925 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| 20-16b | Chatuge | Hiwassee River | Hayesville, N. C. | 189 | 178 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| 20-17b | Nottely | Nottely River | Blairsville, Ga. | 214 | 207 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| 20-18b | Hiwassee | Hiwassee River | Murphy, N. C. | 968 | 14/539 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| 20-19c | Appalachia | -do- | Farner, Tenn. | 1,018 | 48 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| 20-20c | Blue Ridge | Toccoa River | Blue Ridge, Ga. | 232 | 227 |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |
| | -do- | -do- | -do- | -- | -- |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Fall 1913 | -- | 8/3,100 | -- | -- | -- | -- | -- | TVA |
| Fall 1925 | 12 | 9/21,750 | .017 | -- | -- | -- | -- | |
| Feb. 1938 | 12.5 | 14,450 | .011 | 50 | .252 | 274 | | |
| Apr. 1947 | 9.2 | 12,010 | .009 | *50 | .224 | 245 | | |
| May 1953 | 6.1 | 9,850 | .008 | *50 | .299 | 326 | | |
| Oct. 1958 | 5.4 | 7,760 | .006 | *50 | .327 | 357 | | |
| Feb. 1961 | 2.3 | 7,470 | .006 | *50 | .107 | 117 | | |
| Mar. 1967 | 6.1 | 9/3,325 | .003 | *50 | .075 | 82 | | |
| Sept 1970 | 3.5 | 2,530 | .002 | *50 | .168 | 183 | | |
| Feb. 1943 | -- | 10/1,511,883 | .312 | -- | -- | -- | -- | TVA |
| July 1949 | 6.4 | 1,496,712 | .308 | *55 | .83 | 994 | | |
| May 1955 | 5.8 | 1,500,870 | .309 | *55 | 11/-.251 | -- | | |
| June 1960 | 5.1 | 1,489,978 | .307 | *55 | .748 | 895 | | |
| Aug. 1967 | 7.2 | 1,475,450 | .304 | *55 | .707 | 847 | | |
| Nov. 1946 | -- | 400,945 | -- | -- | -- | -- | -- | TVA |
| June 1951 | 4.6 | 399,414 | -- | *55 | .214 | 256 | | |
| Apr. 1956 | 4.8 | 398,060 | -- | *55 | .181 | 217 | | |
| May 1961 | 5.1 | 392,711 | -- | *55 | .674 | 807 | | |
| Feb. 1941 | -- | -- | -- | -- | -- | -- | -- | TVA |
| Sept 1950 | 9.6 | 10/70,700 | .888 | -- | -- | -- | | |
| July 1958 | 7.8 | 70,537 | .886 | *55 | .61 | 731 | | |
| May 1969 | 10.9 | 70,487 | .882 | *55 | .13 | 160 | | |
| Sept 1950 | -- | 138,083 | .561 | -- | -- | -- | -- | TVA |
| July 1958 | 7.9 | 137,882 | .56 | *55 | .284 | 340 | | |
| May 1969 | 10.8 | 137,159 | .57 | *55 | .761 | 911 | | |
| Nov. 1944 | -- | 10/1,455,062 | .543 | -- | -- | -- | -- | TVA |
| Mar. 1950 | 5.4 | 1,452,385 | .534 | *55 | .348 | 416 | | |
| Sept 1954 | 4.5 | 1,450,646 | .534 | *55 | .271 | 324 | | |
| June 1959 | 4.7 | 1,448,311 | .533 | *55 | .349 | 418 | | |
| Oct. 1967 | 8.3 | 1,443,262 | .531 | *55 | .426 | 511 | | |
| Dec. 1918 | -- | 12/44,050 | .016 | -- | -- | -- | -- | TVA |
| Sept 1930 | 11.8 | 39,030 | .014 | *55 | .264 | 316 | | |
| Aug. 1941 | 10.9 | 13/35,030 | .013 | -- | .228 | 273 | | |
| Nov. 1936 | -- | 1,726 | -- | -- | -- | -- | -- | TVA |
| Nov. 1938 | 2 | 1,652 | -- | 62 | 1,038 | 1,402 | | |
| Jan. 1947 | 8.2 | 1,580 | -- | *62 | .25 | 338 | | |
| Mar. 1954 | 7.1 | 1,347 | -- | *62 | .917 | 1,238 | | |
| Aug. 1960 | 6.4 | 1,290 | -- | *62 | .25 | 338 | | |
| July 1970 | 9.9 | 1,118 | -- | *62 | .488 | 658 | | |
| Aug. 1975 | 5.1 | 1,017 | -- | *62 | .555 | 693 | | |
| Mar. 1936 | -- | 10/8/2,061,569 | .692 | -- | -- | -- | -- | TVA |
| June 1946 | 10.3 | 2,052,557 | .691 | *55 | .317 | 379 | | |
| June 1954 | 8 | 2,047,527 | .69 | *55 | .214 | 256 | | |
| Aug. 1960 | 6.1 | 2,044,768 | .689 | *55 | .16 | 191 | | |
| June 1970 | 9.8 | 2,036,324 | .684 | *55 | .305 | 366 | | |
| Oct. 1946 | -- | 1,195,229 | -- | -- | -- | -- | -- | TVA |
| June 1951 | 4.7 | 1,193,106 | -- | *55 | .155 | 186 | | |
| Apr. 1956 | 4.8 | 1,183,735 | -- | *55 | .667 | 799 | | |
| June 1961 | 5.1 | 1,174,954 | -- | *55 | .589 | 706 | | |
| Feb. 1942 | -- | 242,325 | .705 | -- | -- | -- | -- | TVA |
| Aug. 1949 | 7.5 | 242,032 | .704 | *55 | .219 | 262 | | |
| Aug. 1954 | 5 | 241,502 | .702 | *55 | .595 | 712 | | |
| Sept 1960 | 6 | 240,999 | .701 | *55 | .472 | 565 | | |
| Apr. 1965 | 4.6 | 240,516 | .699 | *55 | .59 | 707 | | |
| Jan. 1942 | -- | 10/176,521 | .586 | -- | -- | -- | -- | TVA |
| Aug. 1949 | 7.6 | 175,865 | .584 | *55 | .415 | 497 | | |
| Apr. 1955 | 5.7 | 174,969 | .581 | *55 | .758 | 908 | | |
| May 1961 | 6 | 174,429 | .579 | *55 | .435 | 521 | | |
| Apr. 1965 | 4 | 174,357 | .579 | *55 | .087 | 104 | | |
| Feb. 1940 | -- | 10/439,741 | -- | -- | -- | -- | -- | TVA |
| Aug. 1947 | 7.5 | 436,009 | -- | *55 | 14/-- | 14/ -- | | |
| May 1953 | 5.8 | 435,686 | -- | *55 | .104 | 125 | | |
| June 1958 | 5 | 434,243 | -- | *55 | .536 | 642 | | |
| May 1965 | 6.9 | 433,568 | -- | *55 | .182 | 218 | | |
| Feb. 1943 | -- | 58,312 | -- | -- | -- | -- | -- | TVA |
| Aug. 1950 | 7.5 | 57,979 | -- | *55 | .938 | 1,124 | | |
| Sept 1960 | 10.1 | 57,550 | -- | *55 | .883 | 1,058 | | |
| May 1965 | 4.7 | 57,753 | -- | *55 | 11/-- | -- | | |
| Apr. 1944 | -- | 197,427 | .462 | -- | -- | -- | -- | TVA |
| Aug. 1949 | 5.3 | 196,080 | .454 | *55 | 1.119 | 1,340 | | |
| Aug. 1954 | 5 | 195,981 | .454 | *55 | .881 | 1,055 | | |
| June 1959 | 4.8 | 196,522 | .455 | *55 | 11/-.498 | -- | | |
| Apr. 1968 | 8.8 | 195,908 | .454 | *55 | .308 | 368 | | |

1/ Capacity at elevation 915'. Flood Pool elevation at 947'. Sediment data pertains to seasonal pool elevation of 915'.

2/ Revised on basis of topographic maps developed for definite project report and sedimentation range data.

3/ 1957 water year included.

4/ Area above Clayton dam, 2382 sq. mi. considered non-contributing.

5/ Multiple-use storage capacity. Reservoir has greater capacity at spillway crest elevation.

6/ Includes an estimated 470 acre-feet of sediment deposited in the original stream channel but not included in area-capacity computations.

7/ Sediment contributing area reduced from 3,381 sq. mi. to 1,477 sq. mi. by closing of Watauga Dam Dec. 1, 1948; South Holston on Nov. 20, 1950; Boone on Dec. 16, 1952; and Fort Patrick Henry on Oct. 27, 1953. Area above Watauga included in 1949 survey as sediment contributing area.

8/ Prior to 1925 dam was 35 ft. lower.

9/ Original volume computed from probings obtained Feb. 1938. Sediment deposits and water inflow computed from dam closure in 1913. Five foot flash boards removed Sept. 1964.

10/ Revised.

11/ Minus (-) indicates scour. Treated as negative sediment.

12/ Computed from probings and available maps.

13/ From first accurate area-volume curves, 1941 conditions.

14/ Nottely Dam closed Jan. 24, 1942. Chatuge Dam closed Feb. 12, 1942.

* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TENNESSEE RIVER BASIN (ABOVE HALES BAR DAM) (CONTINUED) | | | | | | | | | |
| 20-21e | Ocoee No. 3 | Ocoee River | Ducktown, Tenn. | 496 | 263 | Aug. 1942 | -- | 14,304 | .017 | -- | -- | -- | TVA |
| | -do- | -do- | -do- | -- | -- | July 1945 | 2.9 | 12,140 | -- | *64 | 1/2.114 | 1/2,947 | |
| | -do- | -do- | -do- | -- | -- | Nov. 1946 | 1.3 | 11,349 | -- | *64 | 2.312 | 3,223 | |
| | -do- | -do- | -do- | -- | -- | Aug. 1948 | 1.8 | 10,570 | -- | 64 | 1.646 | 2,294 | |
| | -do- | -do- | -do- | -- | -- | Aug. 1950 | 2 | 9,849 | -- | *64 | 1.373 | 1,914 | |
| | -do- | -do- | -do- | -- | -- | July 1953 | 3 | 8,696 | -- | *64 | 1.46 | 2,035 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1955 | 2.1 | 8,042 | -- | *64 | 1.183 | 1,649 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1958 | 3 | 6,766 | -- | *64 | 1.616 | 2,253 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1960 | 2 | 5,920 | -- | *64 | 1.608 | 2,242 | |
| | -do- | -do- | -do- | -- | -- | June 1962 | 1.8 | 5,286 | -- | *64 | 1.388 | 1,865 | |
| | -do- | -do- | -do- | -- | -- | Sept 1965 | 3.2 | 4,653 | -- | *64 | .753 | 1,050 | |
| | -do- | -do- | -do- | -- | -- | Mar. 1968 | 2.6 | 4,026 | .005 | *64 | .916 | 1,278 | |
| | -do- | -do- | -do- | -- | -- | June 1972 | 4.2 | 3,879 | -- | *64 | .133 | 1,755 | |
| 20-22e | Ocoee No. 1 | -do- | Parksville, Tenn. | 595 | 2/96 | Dec. 1911 | -- | 3/109,200 | -- | -- | -- | -- | TVA |
| | -do- | -do- | -do- | -- | -- | Oct. 1940 | 28.8 | 4/91,300 | -- | *64 | -- | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1949 | 8.9 | 5/86,737 | -- | 64 | -- | -- | |
| | -do- | -do- | -do- | -- | -- | Aug. 1954 | 5 | 87,267 | -- | *64 | 6/-1.1 | -- | |
| | -do- | -do- | -do- | -- | -- | June 1959 | 4.9 | 86,809 | -- | *64 | .974 | 1,358 | |
| | -do- | -do- | -do- | -- | -- | Apr. 1968 | 8.8 | 86,466 | .091 | *64 | .406 | 566 | |
| 20-23c | Chickamauga | Tennessee River | Chattanooga, Tenn. | 20,790 | 7/1,805 | Nov. 1940 | -- | 746,951 | -- | -- | -- | -- | TVA |
| | -do- | -do- | -do- | -- | -- | July 1947 | 6.7 | 734,970 | -- | *60 | 7/-- | 7/-- | |
| | -do- | -do- | -do- | -- | -- | Aug. 1954 | 7 | 745,178 | -- | *60 | 6/-.808 | -- | |
| | -do- | -do- | -do- | -- | -- | May 1956 | 1.8 | 740,367 | -- | *60 | 1.481 | 1,935 | |
| | -do- | -do- | -do- | -- | -- | June 1961 | 5.1 | 738,820 | -- | *60 | .168 | 220 | |
| 20-24d | Hales Bar | -do- | Jasper, Tenn. | 21,790 | 8/990 | Oct. 1935 | -- | 153,483 | -- | -- | -- | -- | TVA |
| | -do- | -do- | -do- | -- | -- | Oct. 1940 | 5 | 152,928 | -- | 61 | 8/-- | -- | |
| | -do- | -do- | -do- | -- | -- | July 1947 | 6.7 | 152,251 | -- | *61 | .102 | 135 | |
| | -do- | -do- | -do- | -- | -- | Aug. 1954 | 7.1 | 152,992 | -- | *61 | 6/-.105 | -- | |
| | -do- | -do- | -do- | -- | -- | May 1956 | 1.8 | 153,032 | -- | *61 | 6/-.022 | -- | |
| | -do- | -do- | -do- | -- | -- | June 1961 | 5.1 | 154,002 | -- | *61 | 6/-.192 | -- | |
| | -do- | -do- | -do- | -- | -- | Dec. 1967 | 6.5 | 154,012 | .0056 | -- | 6/- | -- | |
| 20-25 | Kanuga Lake | Little Mud Creek | Hendersonville, N.C. | 1.54 | 1.5 | -- | 1908 | -- | 9/ 246 | .12 | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. 1956 | 48 | 190 | .093 | 43.1 | .78 | 752 | |
| 20-26 | Osceola Lake | Shepard Creek | -do- | 4.45 | 4.39 | -- | 1923 | -- | 9/ 329 | .055 | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. 1956 | 33 | 267 | .045 | 45.7 | .428 | 426 | |
| 20-27 | Melton Hill | Clinch River | Clinton, Tenn. | 3,343 | 422 | July 1963 | -- | 125,900 | .0429 | -- | -- | -- | TVA |
| | -do- | -do- | -do- | -- | -- | May 1970 | 7 | 125,578 | .0428 | *55 | .109 | 131 | |
| 20-28a | Upper Ollis Creek Res. | Ollis Creek | LaFollette, Tenn. | 10.8 | 10.75 | Apr. 1964 | -- | 661 | .051 | -- | -- | -- | TVA |
| | -do- | -do- | -do- | -- | -- | Oct. 1970 | 6.5 | 649 | .05 | *62 | .166 | 224 | |
| | -do- | -do- | -do- | -- | -- | Sept 1971 | .9 | 649 | .05 | *62 | .052 | 207 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1972 | 1.1 | 638 | .049 | *62 | .905 | 336 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1973 | 1. | 625 | .048 | *62 | 1.219 | 475 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1974 | 1. | 619 | .047 | *62 | .605 | 508 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1975 | 1. | 615 | .047 | *62 | .363 | 506 | |
| 20-29 | Beaver Cr. Detention Dam | Beaver Creek | Bristol, Va. | 13.7 | 13.7 | Dec. 1965 | -- | 5,026 | .454 | -- | -- | -- | TVA |
| | -do- | -do- | -do- | -- | -- | Aug. 1971 | 5.8 | 5,023 | .454 | *62 | .038 | 51 | |
| 20-30 | Clear Creek Lake | Clear Creek | -do- | 5.75 | 5.68 | Dec. 1965 | -- | 10/299 | .064 | -- | -- | -- | TVA |
| | -do- | -do- | -do- | -- | -- | Aug. 1971 | 5.8 | 294 | .063 | *62 | .152 | 205 | |
| | | | | OHIO RIVER BASIN (ABOVE POINT PLEASANT) AND LAKE ERIE DRAINAGE | | | | | | | | | |
| 21-1 | Pleasant Hill | Clear Fork | Perrysville, Ohio | 199 | 195 | Oct. 1938 | -- | 87,700 | .676 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Feb. 1945 | 6.25 | 87,424 | .674 | *65 | .227 | 321 | |
| 21-2a | Senecaville | Seneca Fork | Senecaville, Ohio | 121 | 113 | 11/Oct. 1936 | -- | 88,500 | .962 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Mar. 1945 | 8.3 | 87,667 | .953 | *65 | .89 | 1,260 | |
| 21-3a | Charles Mill | Black Fork, Mohican R. | Mansfield, Ohio | 216 | 207 | June 1938 | -- | 88,000 | *.657 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Sept 1947 | 8.25 | 85,886 | *.647 | *65 | 1.24 | 1,755 | |
| | -do- | -do- | -do- | -- | -- | July 1954 | 7.75 | 85,485 | *.638 | *65 | .255 | 358 | |
| 21-4 | Hinckston Run | Hinckston Run | Johnstown, Pa. | 10.75 | 10.57 | -- | 1905 | -- | 3,453 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1937 | 32 | 3,315 | -- | *60 | .408 | 535 | |
| 21-5 | Quemahoning | Quemahoning Creek | -do- | 92 | 90.7 | Jan. 1912 | -- | 35,295 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1937 | 25.8 | 34,413 | -- | -- | .377 | -- | |
| 21-6 | Salt Lick | Salt Lick Run | -do- | 11.86 | 11.76 | -- | 1914 | -- | 2,492 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1937 | 23 | 2,432 | -- | *60 | .22 | 287 | |
| 21-7a | Bridgeport (Upper) | Jacobs Creek | Mt. Pleasant, Pa. | 12/31.64 | 12/31.52 | Mar. 1887 | -- | 642 | .016 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Nov. 1937 | 50.6 | 453 | .011 | -- | 12/.118 | 168 | |
| | -do- | -do- | -do- | -- | -- | Nov. 1964 | 27 | 338.5 | .008 | 65.4 | .134 | 191 | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21-8 | Barberton | Wolf Creek | Barberton, Ohio | 28.2 | 28 | -- | 1926 | -- | 2,056 | *.101 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Dec. | 1938 | 12 | 1,688 | *.083 | *55 | 1.1 | 1,320 | |
| 21-9 | Buckeye Lake | S. Fork Licking River | Millersport, Ohio | 13/49.2 | 45.1 | -- | 1852 | -- | 14/19,940 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July | 1939 | 107 | 15,790 | -- | *50 | .86 | 937 | |
| 21-10 | Leesville | McGuire Creek | Leesville, Ohio | 48 | 45.7 | Aug. | 1936 | -- | 37,400 | *1.159 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. | 1939 | 3.3 | 37,390 | *1.159 | *50 | .067 | 73 | |
| 21-11 | Muskingum College | Trib. Muskingum River | New Concord, Ohio | .32 | .31 | -- | 1915 | -- | 9.41 | *.042 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. | 1935 | 20 | 7.05 | *.031 | *70 | .381 | 581 | |
| 21-12 | Ohio Cons. Pond No. 22 | Trib. of Duck Creek | Marietta, Ohio | .05 | .05 | Oct. | 1938 | -- | 4.43 | *.116 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. | 1939 | 1.1 | 4.21 | *.11 | *40 | 4 | 3,485 | |
| 21-13 | Ohio Cons. Pond No. 51 | Trib. of Ohio River | do | .13 | .13 | Oct. | 1938 | -- | 15.16 | *.152 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. | 1939 | 1.1 | 15.02 | *.151 | *40 | .977 | 851 | |
| 21-14 | Ohio Cons. Pond No. 52 | do | do | .17 | .16 | -- | 1928 | -- | 17.95 | *.138 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. | 1939 | 11 | 15.4 | *.118 | *50 | 1.45 | 1,579 | |
| 21-15 | Robbins Lake | Ford Creek | Hartford, Ohio | 4.47 | 4.45 | Summer | 1922 | -- | 91.6 | *.028 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Dec. | 1939 | 17.4 | 79.9 | *.025 | *68 | .151 | 224 | |
| 21-16 | Gorleys Lake | Trib. Youghiogheny R. | Uniontown, Pa. | 3 | 2.97 | -- | 1908 | -- | 150 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June | 1939 | 30 | 138 | -- | *60 | .135 | 176 | |
| 21-17 | Lake Rockwell | Cuyahoga River | Kent, Ohio | 205.5 | 15/124.1 | Aug. | 1914 | -- | 7,423 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. | 1950 | 36 | 6,887 | -- | 46 | .12 | 120 | |
| 21-18a | Stony Lake | McGuire Creek | Perrysville, Ohio | 11.75 | 11.72 | -- | 1927 | -- | 121 | -- | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Dec. | 1938 | 11 | 80 | -- | *65 | .319 | 452 | |
| | do | do | do | -- | -- | May | 1949 | 10.4 | 61 | -- | *65 | .156 | 221 | |
| 21-19 | Tabor Club Lake | Small Br. Muskingum R. | do | .55 | .54 | -- | 1923 | -- | 53.6 | *.145 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Dec. | 1938 | 15 | 42.4 | *.115 | *50 | 16/1.38 | 1,500 | |
| 21-20 | Zanesville Nursery Lake | N. Br. Blount Run | Zanesville, Ohio | 2.95 | 2.93 | Dec. | 1936 | -- | 76.62 | *.034 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July | 1941 | 4.6 | 72.23 | *.032 | *65 | .326 | 462 | |
| 21-21b | Tionesta Lake | Tionesta Creek | Tionesta, Pa. | 478 | 474 | Feb. | 1941 | -- | 133,400 | .21 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Sept | 1949 | 8.6 | 132,571 | .214 | *65 | .203 | 287 | |
| | do | do | do | -- | -- | May | 1971 | 21.7 | 132,365 | .214 | 66.3 | .02 | 31 | |
| 21-22b | Loyalhanna | Loyalhanna Creek | Saltsburg, Pa. | 290 | 285 | June | 1942 | -- | 17/95,300 | .278 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Oct. | 1948 | 6.33 | 94,652 | .276 | *44 | .358 | 343 | |
| | do | do | do | -- | -- | Sept | 1953 | 4.92 | 94,192 | .275 | 44 | .326 | 312 | |
| | do | do | do | -- | -- | Apr. | 1962 | 8.58 | 93,501 | .273 | *44 | .284 | 272 | |
| 21-23b | Mahoning Creek | Mahoning Creek | Dayton, Pa. | 340 | 336 | June | 1941 | -- | 18/74,200 | .18 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Aug. | 1948 | 7.2 | 73,807 | .172 | *65 | .162 | 229 | |
| | do | do | do | -- | -- | June | 1965 | 16.8 | 72,800 | .177 | 43 | .178 | 167 | |
| 21-24b | Crooked Creek | Crooked Creek | Ford City, Pa. | 277 | 274 | Apr. | 1940 | -- | 19/93,900 | .307 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Sept | 1945 | 5.4 | 93,808 | .307 | *65 | .062 | 87 | |
| | do | do | do | -- | -- | Aug. | 1964 | 18.9 | 92,376 | .302 | 51 | .277 | 308 | |
| 21-25a | Tygart River | Tygart River | Grafton, W. Va. | 1,184 | 1,179 | Oct. | 1937 | -- | 289,600 | .175 | -- | -- | -- | CE |
| | do | do | do | -- | -- | 20/Feb. | 1945 | -- | -- | -- | -- | -- | -- | |
| | do | do | do | -- | -- | Mar. | 1959 | 21.5 | 287,700 | .174 | *65 | .075 | 106 | |
| 21-26b | Youghiogheny River Lake | Youghiogheny River | Confluence, Pa. | 434 | 428 | Oct. | 1943 | -- | 254,000 | .406 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Oct. | 1949 | 6 | 253,121 | .405 | *65 | .341 | 483 | |
| | do | do | do | -- | -- | Oct. | 1973 | 24 | 248,065 | .398 | 50.6 | .493 | 516 | |
| 21-27a | Atwood Reservoir | Indian Fk., Conottou Cr. | Sherrodsville, O. | 70 | 66.2 | Apr. | 1940 | -- | 49,700 | .994 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Dec. | 1946 | 6.7 | 49,570 | .991 | *65 | .29 | 410 | |
| 21-28 | Babb Pond | Unnamed | Richfield, Ohio | .02 | .02 | -- | 1932 | -- | .245 | *.019 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. | 1951 | 19 | .189 | *.015 | *60 | .15 | 196 | |
| 21-29 | Basom Pond | do | Hudson, Ohio | .32 | .32 | -- | 1944 | -- | 3.67 | *.016 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. | 1951 | 7 | 3.24 | *.016 | *60 | .281 | 367 | |
| 21-30 | Christener Pond | do | Parma, Ohio | .09 | .09 | -- | 1940 | -- | 3.4 | *.056 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. | 1951 | 11 | 2.79 | *.048 | *60 | .611 | 798 | |
| 21-31 | Schoenbeck Pond | do | Richfield, Ohio | .03 | .03 | -- | 1940 | -- | 1.48 | *.076 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. | 1951 | 11 | 1.29 | *.066 | *60 | .567 | 741 | |
| 21-32 | Ticky Pond | do | Peninsula, Ohio | .16 | .16 | -- | 1949 | -- | 2.84 | *.027 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. | 1951 | 2 | 2.81 | *.027 | *60 | .1 | 131 | |
| 21-33b | Lake Hope | Sandy Run | Zaleski, Ohio | 9.95 | 9.75 | May | 1939 | -- | 1,555 | .201 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | July | 1949 | 10.2 | 1,511 | .195 | 74.8 | .442 | 720 | |
| | do | do | do | -- | -- | June | 1955 | 5.9 | 1,481 | .191 | -- | .523 | -- | |
| | do | do | do | -- | -- | Aug. | 1969 | 14.2 | 1,451 | .187 | -- | .213 | -- | |
| 21-34b | Jefferson Lake | Town Fk. Yellow River | Richmond, Ohio | 7.52 | 7.48 | Dec. | 1935 | -- | 178 | .029 | -- | -- | -- | ODW |
| | do | do | do | -- | -- | Aug. | 1950 | 15 | 156 | .025 | 37.9 | .199 | 164 | |
| | do | do | do | -- | -- | June | 1956 | 6 | 134 | .022 | -- | .466 | -- | |
| | do | do | do | -- | -- | June | 1961 | 5 | 131 | .021 | -- | .078 | -- | |

1/ Does not include 553 ac.-ft. of sediment flushed into reservoir when small upstream dam failed in March 1944.

2/ Blue Ridge Reservoir closed Dec. 6, 1930. Ocoee #3 closed Aug. 15, 1942.

3/ Based on Tenn. Electric Power Co. data adjusted to latest topographic maps.

4/ Volume computed by average end area method from first accurate area-volume curves - 1940 conditions.

5/ Volume computed from contours based on 1949 survey.

6/ Minus (-) indicated scour. Treated as negative sediment.

7/ Sediment contributing area reduced by closing Watts Bar Dam on Jan. 1, 1942, and Appalachia Dam, Feb. 14, 1943.

8/ Norris Dam closed Mar. 4, 1936, and Chickamauga Dam closed Jan. 15, 1940, reducing sediment contributing area to 990 sq. mi.

9/ Determined during 1956 survey.

10/ Conservation pool capacity. Reservoir has greater capacity at spillway crest elevation.

11/ Date storage began. Sediment ranges established and surveyed in Dec. 1937 by Soil Conservation Service, USDA.

12/ Original data revised. 1964 survey data based on corrected elevation and topography from transit survey (1963).

13/ Drainage area has been 115 sq. mi. (net) part of the time in the past, when fed partly by feeder from S. Fork Kirkerville River.

14/ At present spillway elevation (lowered in 1908). From 1836 to 1908, spillway elevation was 893.4, surface area 3,636 acres, and capacity 22,090 ac.-ft. From 1832 to 1836, spillway elevation was lower and surface area was 3,136 acres. Natural lake of 650 acres originally.

15/ East Branch Reservoir and many natural lakes act as efficient sediment traps.

16/ Dam failed earlier in 1938 but little sediment lost.

17/ At elevation 975. Elevation top of gates = 976 ft.

18/ At elevation 1,162. Elevation top of gates = 1,164 ft.

19/ At elevation 920. Spillway crest elevation = 918 ft.

20/ In view of the limited amount of sediment computed in the 1945 report (384 ac.-ft.), the values of the 1945 report are not included and were not used in computing survey data for the 1959 report. It is considered that the longer period (21.5 yr.) was necessary to develop a volume capable of being measured with a reasonable degree of accuracy.

* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | | CHIO RIVER BASIN (ABOVE POINT PLEASANT) AND LAKE ERIE DRAINAGE (Continued) | | | | | | | | | |
| 21-35c | Clouse Lake | Ctr. Br. Rush Creek | Somerset, Ohio | 8.7 | 8.66 | -- 1948 | -- | 234 | .037 | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | -- 1949 | 2 | 217 | .035 | 1/55.7 | 1 | 2/1,213 | |
| | -do- | -do- | -do- | -- | -- | -- 1950 | 1 | 206 | .033 | 1/50.6 | 1.27 | 1,177 | |
| | -do- | -do- | -do- | -- | -- | -- 1951 | 1 | 202 | .032 | *1/53 | .45 | 693 | |
| | -do- | -do- | -do- | -- | -- | -- 1952 | 1 | 199 | .032 | 1/55.6 | .34 | 609 | |
| | -do- | -do- | -do- | -- | -- | -- 1953 | 1 | 197 | .031 | 1/65.3 | .25 | 1,239 | |
| | -do- | -do- | -do- | -- | -- | -- 1954 | 1 | 193 | .031 | 1/68.2 | .41 | 926 | |
| | -do- | -do- | -do- | -- | -- | -- 1955 | 1 | 192 | .031 | -- | .14 | -- | |
| | -do- | -do- | -do- | -- | -- | -- 1956 | 1 | 187 | .03 | -- | .55 | -- | |
| | -do- | -do- | -do- | -- | -- | -- 1957 | 1 | 183 | .029 | -- | .47 | -- | |
| | -do- | -do- | -do- | -- | -- | -- 1958 | 1 | 177 | .028 | -- | .64 | -- | |
| | -do- | -do- | -do- | -- | -- | -- 1959 | 1 | 176 | .026 | -- | .18 | -- | |
| | -do- | -do- | -do- | -- | -- | -- 1961 | 2 | 170 | .027 | -- | .37 | -- | |
| | -do- | -do- | -do- | -- | -- | -- 1962 | 1 | 166 | .026 | -- | .42 | -- | |
| | -do- | -do- | -do- | -- | -- | -- 1963 | 1 | 163 | .026 | -- | .33 | -- | |
| | -do- | -do- | -do- | -- | -- | -- 1964 | 1 | 159 | .025 | -- | .45 | -- | |
| | -do- | -do- | -do- | -- | -- | -- 1966 | 2 | 150 | .024 | -- | .55 | -- | |
| | -do- | -do- | -do- | -- | -- | -- 1967 | 1 | 148 | .024 | -- | .22 | -- | |
| | -do- | -do- | -do- | -- | -- | -- 1968 | 1 | 146 | .023 | -- | .236 | -- | |
| | -do- | -do- | -do- | -- | -- | -- 1969 | 1 | 145 | .023 | -- | .136 | -- | |
| | -do- | -do- | -do- | -- | -- | -- 1970 | 1 | 142 | .023 | -- | .319 | -- | |
| 21-36 | East Branch | E. Br. Cuyahoga River | Burton, Ohio | 17.53 | 16.88 | -- 1939 | -- | 4,659 | *.34 | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | June 1949 | 9.7 | 4,535 | *.331 | *40 | .759 | 661 | |
| 21-37 | Westville Lake | Trib. of Mahoning River | Alliance, Ohio | 8.36 | 8.22 | -- 1913 | -- | 994 | -- | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | Aug. 1950 | 37 | 933 | -- | 66 | .2 | 287 | |
| 21-38 | Berlin | Mahoning River | Berlin Center, O. | 249 | 246 | July 1943 | -- | -- | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Nov. 1951 | 8.4 | 91,200 | .551 | *100 | 1.3 | 2,830 | |
| 21-39a | Mountain Lake | Broad Ford Run | Mt. Lake Park, Md. | 7.4 | 7.4 | -- 1880* | -- | 122.75 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1957 | 76 | 77.02 | -- | -- | .081 | -- | |
| 21-40 | Blazor Lake | Trib. of Sandy Creek | Minerva, Ohio | .07 | .07 | -- 1931 | -- | .15 | -- | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | -- 1938 | 7 | 0 | -- | *65 | .29 | 410 | |
| 21-41 | Braden Lake | -do- | -do- | .12 | .12 | -- 1930 | -- | .11 | -- | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | -- 1938 | 8 | 0 | -- | 65 | .08 | 113 | |
| 21-42 | Lake Milton | Mahoning River | Milton, Ohio | 280 | 277.4 | -- 1916 | -- | 28,100 | -- | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | -- 1941 | 25 | 22,250 | -- | *65 | .64 | 1,189 | |
| 21-43 | Peters Pond | Trib. of Indian Creek | Lancaster, Ohio | .11 | .11 | -- 1946 | -- | 9.46 | -- | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | -- 1954 | 8 | 9.11 | -- | 48.1 | .36 | 377 | |
| 21-44 | Wyandot Lake | Trib. of Clear Creek | Logan, Ohio | .58 | .58 | -- 1930 | -- | 11.5 | -- | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | -- 1948 | 18 | 4.65 | -- | -- | .687 | -- | |
| 21-45 | Orchard Park | Pipe Creek | Orchard Park, N.Y. | 1.67 | -- | -- 1928 | -- | 169.99 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. 1951 | 23 | 161.26 | -- | *60 | .23 | 300 | |
| 21-46 | Terra Alta Lake | Snowy River | Kingwood, W. Va. | 4.76 | -- | -- 1902 | -- | 144.8 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June 1952 | 50 | 117.5 | -- | *80 | .117 | 127 | |
| 21-47 | Centerville Mills Lake | Aurora Br. Chagrin R. | Aurora, Ohio | 10.4 | 10.38 | -- 1955 | -- | 66.5 | .01 | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | -- 1949 | 34 | 36.3 | .004 | *65 | .0493 | 69 | |
| 21-48 | Meander Creek | Meander Creek | Youngstown, Ohio | 84.9 | 81.76 | -- 1929 | -- | 32,400 | .597 | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | -- 1949 | 20 | 31,835 | .586 | *65 | .346 | 489 | |
| 21-49a | Havard Mason | Salem Fork | Salem, W. Va. | .29 | .28 | Oct. 1954 | -- | 69.58 | .265 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. 1956 | 2 | 68.95 | .262 | *60 | 1.13 | 1,477 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1958 | 2 | 68.77 | .261 | *60 | .32 | 420 | |
| | -do- | -do- | -do- | -- | -- | Dec. 1960 | 2.2 | 68.6 | .261 | *60 | .28 | 358 | |
| 21-50 | Knox Lake | E. Branch Kokosing | Fredericktown, O. | 31.4 | 30.66 | 2/Fall 1949 | -- | 3,502 | .146 | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | Aug. 1960 | 7 | 3,399 | .142 | -- | .48 | -- | |
| | -do- | -do- | -do- | -- | -- | July 1970 | 10 | 3,283 | .137 | -- | .378 | -- | |
| 21-51 | Veto Lake | Little Hocking River | Belpre, Ohio | 20.04 | 19.79 | May 1954 | -- | 1,111 | .0642 | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | July 1955 | 1.2 | 1,092 | .0631 | -- | .787 | -- | |
| | -do- | -do- | -do- | -- | -- | July 1965 | 5 | 1,059 | .0612 | -- | .341 | -- | |
| | -do- | -do- | -do- | -- | -- | Aug. 1966 | 6 | 1,009 | .0583 | -- | .419 | -- | |
| 21-52 | Clear Fork Reservoir | Clear Fork | Lexington, Ohio | 33.63 | 32.05 | Oct. 1948 | -- | 13,176 | .565 | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | Aug. 1956 | 8 | 12,886 | .553 | -- | 1.13 | -- | |
| | -do- | -do- | -do- | -- | -- | July 1962 | 6 | 12,731 | .546 | -- | .806 | -- | |
| 21-53 | Findley Lake | Wellington Creek | Wellington, Ohio | 6.25 | 6.12 | Mar. 1956 | -- | 760.4 | .19 | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | June 1961 | 5.6 | 745.5 | .186 | -- | .435 | -- | |
| 21-54 | Lake Logan | Clear Fork | Logan, Ohio | 14.7 | 14.17 | Feb. 1955 | -- | 3,142 | .291 | -- | -- | -- | ODW |
| | -do- | -do- | -do- | -- | -- | Aug. 1966 | 11.8 | 3,081 | .285 | -- | .363 | -- | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21-55a | Ischua Creek Site #2---- | Johnson Creek---------- | Franklinville, N. Y. | 2.8 | 2.75 | Aug. 1964 | -- | 488.96 | .164 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1971 | 6.97 | 488.34 | .164 | *80 | .032 | 56 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1974 | 3.15 | 588.09 | .163 | *80 | .029 | 50 | |
| 21-56a | Ischua Creek Site #5---- | Gates Creek---------- | -----do---------- | 6.4 | 6.28 | Aug. 1964 | -- | 1,058.56 | .155 | -- | -- | -- | FCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1971 | 6.97 | 1,056.44 | .155 | *80 | .048 | 84 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1974 | 3.2 | 1,055.83 | .155 | *80 | .03 | 53 | |
| 21-57a | N. Fk. Cowanesque R. (PA-406)---------- | White Branch---------- | North Fork, Pa.----- | 3.4 | 3.3 | Aug. 1962 | -- | 654.13 | .21 | -- | -- | -- | FCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1967 | 4.9 | 653.89 | .21 | 71 | 4/.01 | 4/16 | |
| 21-58 | Salem Fork No. 11A------ | Varner Hollow---------- | Salem, W. Va.-------- | .288 | .287 | Oct. 1954 | -- | 53 | .168 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1956 | 2 | 52.25 | .166 | *60 | 1.307 | 1,708 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1958 | 2 | 52.05 | .165 | -- | .348 | 455 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1960 | 2.17 | 51.95 | .165 | -- | .16 | 209 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1962 | 1.58 | 51.75 | .164 | -- | .443 | 579 | |
| 21-59 | Upper Hocking No.1------ | Hunters Run---------- | Lancaster, Ohio----- | 1.04 | .94 | Apr. 1956 | -- | 450 | .582 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1962 | 6.08 | 446.12 | .875 | 71.6 | .678 | 1,087 | |
| 21-60 | Beach City Lake--------- | Sugar Creek---------- | Beach City, Ohio---- | 300 | 299.3 | Nov. 1936 | -- | 5/1,700 | .009 | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1974 | 37.5 | 5/305 | .002 | *65 | .12 | 176 | |
| 21-61 | Dillon Lake---------- | Licking River---------- | Zanesville, Ohio---- | 742 | 6/690 | Feb. 1961 | -- | 5/17,500 | .032 | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1973 | 12.16 | 5/16,100 | .029 | *65 | .17 | 234 | |
| 21-62 | Polk Creek Site #6------ | White Oak Run---------- | Weston, W. Va.------- | .47 | .47 | Sept 1965 | -- | 116.5 | .245 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1971 | 5.7 | 110.42 | .23 | 72 | 1.34 | 2,101 | |
| 21-63 | Tom Jenkins (Burr Oak)-- | E. Br. Sunday Creek---- | Burr Oak, Ohio------- | 33.1 | 31.2 | Feb. 1952 | -- | 26,910 | 1.13 | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1965 | 13.3 | 26,700 | 1.12 | *65 | .42 | 600 | |

GREAT LAKES DRAINAGE (IN MICHIGAN) AND MAUMEE RIVER BASIN

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22-1 | Grand (L. St. Mary's)--- | St. Mary's & Wabash R.- | Celina, Ohio-------- | 118 | 93 | -- 1844 | -- | 7/130,175 | *2.193 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1940 | 96 | 105,605 | *1.796 | *55 | 2.64 | 3,182 | |
| 22-2 | Stronach---------- | Pine R. of Manistee R.- | Wellston, Mich.----- | 291 | 283 | -- 1312 | -- | 840 | *.003 | -- | -- | -- | FCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1956 | 41 | 27 | *.0001 | 170.4 | .064 | 104 | |
| 22-3 | Goller Pond---------- | Unnamed---------- | Defiance, Ohio------ | .026 | .024 | Mar. 1945 | -- | 9.5 | *.761 | -- | -- | -- | ODA |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1951 | 6.4 | 9.4 | *.753 | *45 | .92 | 932 | |
| 22-4a | Auglaize R. Power------- | Auglaize River--------- | -----do---------- | 2,329 | 2,326 | -- 1912 | -- | 8/14,400 | .012 | -- | -- | -- | ODW |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1951 | 39 | 11,600 | .009 | -- | .031 | -- | |
| 22-5 | Eagle Creek 9/---------- | Eagle Creek---------- | -----do---------- | 5.23 | 5.2 | -- 1912 | -- | 129 | .05 | -- | -- | -- | ODW |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1951 | 39 | 74 | .029 | 59 | .27 | 347 | |
| 22-6 | Beetree Creek 9/-------- | Beetree Creek---------- | -----do---------- | 1.94 | 1.91 | -- 1912 | -- | 148 | *.156 | -- | -- | -- | ODW |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1951 | 39 | 104 | *.109 | 52.5 | .59 | 675 | |
| 22-7 | Batt Pond---------- | Unnamed---------- | -----do---------- | .013 | .012 | Apr. 1947 | -- | 2.6 | *.417 | -- | -- | -- | ODW |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1951 | 4.3 | 2.5 | *.401 | 73.4 | 2.75 | 4,396 | |
| 22-8 | Harrison Lake---------- | Mill Creek---------- | Fayette, Ohio------- | 37.2 | 37 | -- 1941 | -- | 991 | .051 | -- | -- | -- | ODW |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1949 | 8.3 | 929.1 | .048 | 53.2 | .2 | 232 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1951 | 2.1 | 902.4 | .046 | *55 | .34 | 392 | |
| 22-9 | Allmandinger Pond------- | Unnamed---------- | Ohio City, Ohio----- | .038 | .035 | Jan. 1945 | -- | 5.08 | *.233 | -- | -- | -- | ODW |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1951 | 6.7 | 4.71 | *.221 | 53.7 | 1.71 | 2,001 | |
| 22-10 | Bucyrus No. 2---------- | Trib. Sandusky River--- | Bucyrus, Ohio------- | 2.84 | 2.79 | -- 1919 | -- | 242 | .12 | -- | -- | -- | ODW |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1949 | 30 | 218 | .108 | 45.4 | .28 | 277 | |
| 22-11c | Contris Pond 10/-------- | Trib. of Hoo Creek----- | Lafayette, Ohio----- | .13 | .13 | -- 1947 | -- | 9.2 | .133 | -- | -- | -- | ODW |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1951 | 4 | 7.9 | .114 | 57.8 | 2.6 | 3,270 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1954 | 3 | 7.4 | .107 | *49.3 | 1.36 | 1,460 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1962 | 8 | 6.3 | .091 | -- | .969 | -- | |
| 22-12 | Sixmile Creek 9/-------- | Sixmile Creek---------- | Defiance, Ohio------- | 21.6 | 21.4 | -- 1912 | -- | 995 | *.094 | -- | -- | -- | ODW |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1951 | 39 | 696 | *.066 | 43.8 | .36 | 343 | |
| 22-13a | Burt Lake---------- | Unnamed---------- | Oakwood, Ohio------- | .76 | .74 | Sept 1948 | -- | 59 | *.155 | -- | -- | -- | ODW |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1951 | 2.8 | 57 | *.15 | 37.2 | 1.13 | 924 | |
| 22-14 | Kohart Pond---------- | -----do---------- | Grover Hill, Ohio--- | .021 | .019 | Sept 1943 | -- | 2.4 | *.229 | -- | -- | -- | ODW |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1951 | 7.8 | 2.3 | *.219 | 26.1 | .53 | 301 | |
| 22-15 | Van Buren Lake---------- | Rocky Ford Creek------- | Findlay, Ohio------- | 22.8 | 22.72 | Spring 1939 | -- | 248 | .022 | -- | -- | -- | ODW |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1948 | 9.5 | 205 | .019 | 53.6 | .2 | 233 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1951 | 2.8 | 186 | .017 | 57.9 | .31 | 391 | |
| 22-16 | Norvell Lake---------- | River Raisin---------- | Norvell, Mich.------ | 58.5 | 25.3 | -- -- | -- | 717.6 | .026 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1969 | 100+ | 502.3 | .018 | 28.3 | .085 | 43 | |
| 22-17 | Sharon Hollow---------- | -----do---------- | Manchester, Mich.--- | 34.7 | 25 | -- 1927 | -- | 258.1 | .016 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1969 | 42 | 143.9 | .009 | 50.1 | .11 | 72 | |
| 22-18 | Brooklyn Mill Pond------ | -----do---------- | Brooklyn, Mich.----- | 29.6 | 6.2 | -- 1948 | -- | 249.3 | .016 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1969 | 21 | 166.3 | .012 | 43.4 | .484 | 457 | |
| 22-19 | Manchester Power Dam---- | -----do---------- | Manchester, Mich.--- | 6.4 | 6.4 | -- 1945 | -- | 288.9 | .09 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1969 | 28 | 259.5 | .08 | 31.5 | .2 | 137 | |
| 22-20 | Iron Mill Pond---------- | Iron Creek---------- | -----do---------- | 14.4 | 5.2 | -- -- | -- | 1,551 | .224 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1969 | [illegible] | 1,159 | .168 | -- | .75 | -- | |
| 22-21 | Phoenix Pond---------- | Middle River Rouge----- | Plymouth, Mich.------ | 56.85 | 56.85 | -- -- | -- | 225 | .0074 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 100 | 170 | .0056 | 41.8 | .0097 | 9 | |
| 22-22 | Saline Mill Pond-------- | Saline River---------- | Saline, Mich.-------- | 73.6 | 63 | -- 1937 | -- | 240.1 | .0061 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1969 | 31 | 129.6 | .0033 | 44 | .057 | 54 | |
| 22-23 | Manchester Mill Pond---- | Raisin River---------- | Manchester, Mich.--- | 17 | 17 | -- 1906 | -- | 21.33 | .0026 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1969 | 63 | 10.9 | .0013 | 38 | .01 | 8 | |
| 22-24 | Bridgeway Lake---------- | Unnamed---------- | Dexter, Mich.-------- | 7.5 | 7.5 | -- 1927 | -- | 76.7 | .025 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1969 | 41 | 47.9 | .0156 | 46 | .093 | 93 | |

1/ Density for entire period of record.
2/ Computed from differences in total sediment accumulation in tons at each survey.
3/ Gate closed Fall 1949. Drained March 1950. Gate closed May 1954.
4/ Sediment pool only.
5/ Conservation or multiple-use pool capacity - Reservoir has greater capacity at spillway crest elevation.
6/ 49 sq. mi. of total drainage area controlled by Buckeye Lake.
7/ At present spillway elevation (lowered in 1856). In 1844 surface area was 17,603 acres and storage capacity was 220,400 ac.-ft.
8/ Capacity and sediment figures include that of several tributary arms including Beetree, Eagle and Sixmile Creeks.
9/ Tributary arm of Auglaize River Power Reservoir.
10/ All figures subject to readjustment because of minor dredging which occured in 1953.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GREAT LAKES DRAINAGE (IN MICHIGAN) AND MAUMEE RIVER BASIN (Continued) | | | | | | | |
| 22-25 | Franklin Mill Pond | Franklin Branch Rouge | Franklin, Mich. | 13.8 | 7.8 | -- 1833 | -- | 97.8 | .0133 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. 1969 | 136 | 13.1 | .0018 | 50 | .079 | 86 | |
| 22-26 | Waterford Pond | Middle River Rouge | Northville, Mich. | 54 | 54 | -- -- | -- | 173 | .0067 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1969 | 100 | 101 | .0039 | 39 | .013 | 11 | |
| 22-27 | Tecumseh Mill Pond | Evans Creek | Tecumseh, Mich. | 31.6 | 26.3 | -- 1827 | -- | 227.8 | .01501 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. 1969 | 142 | 94.7 | .0062 | 59 | .0356 | 45 | |
| 22-28 | Belleville Lake | Huron River | Belleville, Mich. | 810 | 20.3 | -- 1929 | -- | 19,945 | .0513 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1969 | 40 | 17,980 | .0462 | 69 | 2.42 | 3,637 | |
| 22-29 | Ford Lake | do | Ypsilanti, Mich. | 790 | 11.2 | -- 1933 | -- | 17,926 | .0472 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1969 | 36 | 16,085 | .0424 | 81 | 4.56 | 8,045 | |
| 22-30 | Barton Pond | do | Ann Arbor, Mich. | 708 | 183 | -- 1915 | -- | 3,150 | .0083 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1969 | 54 | 2,601 | .0068 | 39 | .055 | 46 | |
| 22-31 | Red Mill Pond | Upper Raisin | Tecumseh, Mich. | 172.9 | 25.9 | -- -- | -- | 677 | .0081 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1969 | 100+ | 336 | .004 | 41.9 | .13 | 118 | |
| 22-32 | H. N. Fry Pond | Squaw Creek | Onstead, Mich. | 12.45 | 12.45 | Early 1962 | -- | 121.3 | .02 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1969 | 7 | 116 | .019 | -- | .06 | -- | |
| 22-33 | Newburgh Lake | Middle Rouge | Plymouth, Mich. | 54.3 | 54.3 | -- 1933 | -- | 667.8 | .026 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1969 | 36 | 562.9 | .022 | 56.08 | .054 | 66 | |
| 22-34 | Lake Adrian | Wolf Creek | Adrian, Mich. | 65 | 59 | -- 1942 | -- | 1,000 | .032 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1969 | 28 | 851 | .027 | 75.1 | .09 | 147 | |
| | | | | | | GREAT LAKES DRAINAGE (IN MICHIGAN AND WISCONSIN) | | | | | | | |
| 23-1 | Little Black, Site #A | Little Black River | Cheyboygan, Mich. | 9.7 | 9.7 | Oct. 1960 | -- | 275 | .035 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1976 | 16 | -- | -- | 125 | .0009 | 2 | |
| | | | | | | MISSISSIPPI RIVER BASIN (LOUISIANA TO CHESTER) ILLINOIS, KASKASKIA, AND MERAMEC RIVER BASINS | | | | | | | |
| 24-1a | L. Williamson (Artic Pd) | Trib. of Honey Creek | Carlinville, Ill. | .53 | .51 | -- 1922 | -- | 175.6 | .614 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | -- 1959 | 27 | 159.5 | .558 | 46.24 | 1.18 | 1,188 | |
| | do | do | do | -- | -- | -- 1954 | 5 | 152.2 | .532 | 46.24 | 2.9 | 2,921 | |
| | do | do | do | -- | -- | -- 1961 | 7 | 147.6 | .516 | 46.24 | 1.25 | 1,259 | |
| 24-2b | Lake Bloomington | Money Creek | Hudson, Ill. | 61 | 60 | Dec. 1929 | -- | 6,654 | 1.981 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | Aug. 1948 | 18.7 | 6,062 | 1.805 | 41.5 | .528 | 477 | |
| | do | do | do | -- | -- | Aug. 1952 | 4 | 5,905 | 1.756 | 41.5 | .655 | 592 | |
| | do | do | do | -- | -- | July 1955 | 2.9 | 5,863 | 1.746 | 46 | .242 | 243 | |
| 24-3b | Lake Carlinville | Honey Creek | Carlinville, Ill. | 26.06 | 25.79 | June 1939 | -- | 1,725 | .118 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | June 1949 | 10.4 | 1,475 | .101 | 59.1 | .934 | 1,200 | |
| | do | do | do | -- | -- | July 1954 | 5.1 | 1,427 | .098 | 65.7 | .365 | 521 | |
| | do | do | do | -- | -- | Sept 1959 | 5.1 | 1,387 | .095 | 62.4 | .302 | 480 | |
| 24-4a | Lake Decatur | Sangamon River | Decatur, Ill. | 906 | 902 | Apr. 1922 | -- | 19,738 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1936 | 14.2 | 16,930 | -- | -- | .22 | 192 | |
| | do | do | do | -- | -- | June 1946 | 10 | 14,567 | -- | 51.7 | .26 | 224 | |
| | do | do | do | -- | -- | -- 1956 | 10 | 1/23,371 | -- | -- | .09 | 141 | |
| | do | do | do | -- | -- | -- 1966 | 10 | 22,340 | -- | -- | .11 | 154 | |
| 24-5 | Shaefer Pond | Trib. of Cahokia Creek | Edwardsville, Ill. | .087 | .083 | Nov. 1937 | -- | 20.2 | -- | -- | -- | -- | IWS |
| 24-6 | do | do | do | -- | -- | July 1949 | 11.8 | 17.6 | -- | *50 | 2.65 | 2,890 | |
| | Lake Springfield | Sugar and Lick Creeks | Springfield, Ill. | 265 | 258 | Jan. 1934 | -- | 61,039 | -- | -- | -- | -- | IWS |
| 24-7 | do | do | do | -- | -- | Aug. 1948 | 14.6 | 58,380 | -- | 73 | .705 | 660 | |
| | Spring Lake | Spring Creek | Macomb, Ill. | 20.2 | 20.1 | Apr. 1927 | -- | 607 | -- | -- | -- | -- | IWS |
| 24-8 | do | do | do | -- | -- | Sept 1947 | 20.4 | 320 | -- | 53.7 | .701 | 911 | |
| | Lake Bracken | Brush Creek | Galesburg, Ill. | 9.14 | 8.85 | Dec. 1968 | -- | 2,661 | -- | -- | -- | -- | IWS |
| | do | do | do | -- | -- | Aug. 1980 | 12.7 | 2,660 | -- | -- | 1.67 | 2,661 | |
| | do | do | do | -- | -- | June 1949 | 12.9 | 2,452 | -- | 52 | 1.82 | 2,061 | |
| 24-9 | Pittsfield | Trib. of Panther Creek | Pittsfield, Ill. | 1.84 | 1.77 | June 1925 | -- | 2/367 | *.49 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Dec. 1946 | 21.5 | 232 | *.31 | *40 | 3.55 | 3,090 | |
| 24-10a | Lock & Dam 25 (Winfield) | Mississippi River | Winfield, Mo. | 142,000 | -- | July 1939 | -- | 180,000 | -- | -- | -- | -- | CE |
| | do | do | do | -- | -- | May 1945 | 5.9 | 194,100 | -- | -- | -- | -- | |
| | do | do | do | -- | -- | May 1946 | 1 | 181,400 | -- | -- | -- | -- | |
| | do | do | do | -- | -- | Dec. 1947 | 1.6 | 184,000 | -- | -- | -- | -- | |
| | do | do | do | -- | -- | May 1959 | 11.4 | 155,000 | -- | -- | -- | -- | |
| 24-11a | Mt. Sterling | Trib. of Shelby Creek | Mt. Sterling, Ill. | 1.8 | 1.75 | -- 1935 | -- | 306 | .393 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | -- 1951 | 16 | 248 | .319 | 60 | 2.05 | 2,679 | |
| 24-12 | Lake Jacksonville | Sandy Creek | Jacksonville, Ill. | 10.8 | 10.1 | -- 1939 | -- | 7,058 | 1.167 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | June 1952 | 12 | 6,874 | 1.137 | 32.5 | 1.51 | 1,069 | |
| 24-13 | Mauvaisse Terre Lake | Mauvaisse Terre Creek | do | 32.6 | 32.2 | -- 1921 | -- | 1,820 | .1 | -- | -- | -- | IWS |
| | do | do | do | -- | -- | June 1952 | 31 | 1,215 | .067 | 48.2 | .61 | 640 | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24-14a | Morgan Lake | Unnamed | Jacksonville, Ill. | 2.75 | 2.72 | -- | 1900 | -- | 126 | .082 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1952 | 52 | 73 | .047 | 41.2 | .38 | 341 | |
| 24-15a | Langdon Pond | -----do----- | Franklin, Ill. | .358 | .348 | -- | 1907 | -- | 56.8 | .284 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1952 | 45 | 44.8 | .224 | 31.8 | .78 | 540 | |
| 24-16 | Franklin Outing Club L. | -----do----- | -----do----- | .45 | .414 | -- | 1905 | -- | 328 | 1.302 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1952 | 47 | 301 | 1.194 | 52.4 | 1.43 | 1,632 | |
| 24-17 | Anderson Lake | -----do----- | Concord, Ill. | .631 | .6 | -- | 1909 | -- | 267 | .756 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1952 | 43 | 234 | .663 | 36.2 | 1.28 | 1,009 | |
| 24-18 | Waverly City | -----do----- | Waverly, Ill. | 9.24 | 9.16 | Oct. | 1938 | -- | 308.3 | .06 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1952 | 13.8 | 238.6 | .046 | 42.4 | .551 | 509 | |
| 24-19 | Whitehall City | -----do----- | Whitehall, Ill. | .97 | .92 | -- | 1897 | -- | 459 | .846 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1952 | 55 | 408 | .751 | 43.1 | 1.02 | 957 | |
| 24-20 | Roodhouse Pk. District L. | -----do----- | Roodhouse, Ill. | .451 | .439 | -- | 1917 | -- | 61.6 | .243 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1952 | 35 | 53.9 | .213 | 42.4 | .5 | 462 | |
| 24-21 | Woodbine Country Club L. | -----do----- | Greenfield, Ill. | .329 | .32 | -- | 1926 | -- | 58.5 | .318 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1952 | 26 | 43.4 | .236 | 54.4 | 1.81 | 2,144 | |
| 24-22 | Dale Cole Pond | -----do----- | -----do----- | .231 | .221 | -- | 1924 | -- | 67.2 | .521 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1952 | 28 | 56.7 | .44 | 53.7 | 1.72 | 2,012 | |
| 24-23 | Seely Pond | -----do----- | Hillview, Ill. | .093 | .091 | -- | 1902 | -- | 3.7 | .071 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1952 | 50 | 2.2 | .042 | 35.6 | .3 | 233 | |
| 24-24 | Vineyard Pond | -----do----- | Whitehall, Ill. | .054 | .052 | Jan. | 1937 | -- | 1.58 | .053 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1952 | 15.6 | 1.32 | .044 | 36.2 | .33 | 260 | |
| 24-25 | Knapp | -----do----- | Springfield, Ill. | 3.49 | 3.43 | -- | 1907 | -- | 181.8 | .093 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1952 | 45 | 115.3 | .059 | 38.7 | .431 | 363 | |
| 24-26 | Aschauer Pond | -----do----- | Riverton, Ill. | .526 | .518 | -- | 1939 | -- | 18.3 | .062 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1952 | 13 | 9.4 | .032 | 56.2 | 1.31 | 1,603 | |
| 24-27 | Schmidt Pond | -----do----- | Chatham, Ill. | 1.31 | 1.3 | -- | 1943 | -- | 6 | .008 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1952 | 9 | 3.4 | .005 | 41.2 | .22 | 197 | |
| 24-28 | Ayers | Trib. of Shoal Creek | Ayers, Ill. | 1.43 | 1.39 | -- | 1906 | -- | 200 | .262 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1958 | 52 | 150 | .197 | 51.03 | .69 | 767 | |
| 24-29a | Bodeman Reservoir | Trib. of West Creek | Brunswick, Ind. | 2.73 | 2.39 | Aug. | 1947 | -- | 52.1 | *.036 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1960 | 13 | 44.8 | *.031 | 56.7 | .29 | 284 | |
| 24-30 | C B & Q R. R. Lake | Trib. of Sangamon River | Tallula, Ill. | .85 | .84 | -- | 1902 | -- | 31.7 | .067 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1952 | 50 | 15.4 | .038 | 43.5 | .38 | 419 | |
| 24-31 | Edwards Lake | Trib. of Cahokia Creek | Gillespie, Ill. | .42 | .4 | -- | 1949 | -- | 74.2 | .351 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1958 | 9 | 68. | .322 | 46.66 | 1.72 | 1,755 | |
| 24-32 | Etcheson's Lake | Trib. Kaskaskia River | Vandalia, Ill. | .27 | .26 | -- | 1943 | -- | 19.7 | .137 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1958 | 15 | 16 | .111 | 55.66 | .93 | 1,127 | |
| 24-33 | Glosier No. 1 | Lost Creek | Elsberry, Mo. | 1.05 | 1.04 | Apr. | 1956 | -- | 3/72.5 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1960 | 4.3 | 70.3 | -- | -- | .49 | -- | |
| 24-34 | I. C. at Kinmundy | Trib. E. Fk. KaskaskiaR. | Kinmundy, Ill. | .618 | .581 | -- | 1902 | -- | 174.14 | .459 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1959 | 57 | 149.1 | .323 | 35.5 | .756 | 584 | |
| 24-35 | King's Lake | Trib. of Cahokia Creek | Eagarville, Ill. | .46 | .44 | -- | 1921 | -- | 158.6 | .68 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1958 | 37 | 139.5 | .598 | 54.42 | 1.17 | 1,387 | |
| 24-36 | Lake Coulterville | South Fork Mud Creek | Coulterville, Ill. | 1.22 | 1.18 | -- | 1940 | -- | 200 | .276 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1954 | 14 | 188 | .26 | 34 | .73 | 541 | |
| 24-37 | Lake Bunker Hill | Wood River | Bunker Hill, Ill. | 7.19 | 7.15 | -- | 1937 | -- | 133 | .033 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1954 | 17 | 36 | .009 | 79.2 | .8 | 1,580 | |
| 24-38 | Lake Gillespie | Dry Fork | Gillespie, Ill. | 5.73 | 5.62 | -- | 1923 | -- | 799 | .272 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1954 | 32 | 696 | .237 | 37.9 | .57 | 470 | |
| 24-39 | Lake Nashville | Nashville Creek | Nashville, Ill. | 1.39 | 1.33 | -- | 1936 | -- | 320 | .376 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1954 | 19 | 289 | .339 | 35.3 | 1.19 | 913 | |
| 24-40 | Lake Staunton | East Creek | Staunton, Ill. | 3.68 | 3.54 | -- | 1926 | -- | 1,248 | .63 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1954 | 28 | 1,140 | .575 | 28.1 | 1.09 | 667 | |
| 24-41 | Macoupin County L. Club | Trib. Hurricane Creek | Carlinville, Ill. | .28 | .26 | -- | 1904 | -- | 160.5 | 1.131 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1958 | 54 | 135.8 | .976 | 37.13 | 1.76 | 1,423 | |
| 24-42a | Mine Pond No. 4 | Trib. of Cahokia Creek | Wilsonville, Ill. | 5.29 | 5.23 | -- | 1916 | -- | 296.1 | .11 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1958 | 42 | 141.6 | .053 | 65.34 | .7 | 996 | |
| 24-43 | New Mt. Olive | -----do----- | White City, Ill. | 5.21 | 5.12 | -- | 1938 | -- | 432.8 | .164 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1956 | 20 | 335.3 | .127 | 52.35 | .94 | 1,072 | |
| 24-44a | Panama Lake | Trib. of Indian Creek | Panama, Ill. | .85 | .84 | -- | 1928 | -- | 177.8 | .536 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1958 | 30 | 151.9 | .458 | 48.2 | 1.01 | 1,130 | |
| 24-45 | Power Farms Ponds | Trib. of Sangamon River | Cantrall, Ill. | .668 | .666 | -- | 1940 | -- | 4.2 | .011 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1952 | 12 | 1.3 | .003 | 54.9 | .36 | 430 | |
| 24-46 | Raccoon Lake | Raccoon Creek | Centralia, Ill. | 48.4 | 47.3 | -- | 1943 | -- | 4,496.3 | .152 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1959 | 16 | 4,143.6 | .14 | 39.7 | .47 | 406 | |
| 24-47 | Robinson Pond | Terre Creek | Jacksonville, Ill. | .314 | .304 | -- | 1900 | -- | 47.1 | .277 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1952 | 52 | 35.6 | .209 | 46.8 | .7 | 714 | |
| 24-48 | Salem City | Trib. of Crooked Creek | Salem, Ill. | 4.02 | 3.9 | -- | 1912 | -- | 597.86 | .233 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1960 | 48 | 530.88 | .207 | 40.8 | .36 | 320 | |
| 24-49a | Virginia | Job's Creek | Virginia, Ill. | .828 | .799 | -- | 1933 | -- | 154 | .345 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | -- | 1950 | 17 | 116 | .26 | *40 | 2.7 | 2,352 | |
| 24-50 | Walton Club Lake | Long Branch | Litchfield, Ill. | 2.72 | 2.67 | -- | 1862 | -- | 376.3 | .272 | -- | -- | -- | IWS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1959 | 97 | 187.2 | .136 | 48.4 | .73 | 770 | |

1/ Flood gates installed 1956 raising maximum water surface elevation to 615 ft. Capacity at 613 ft. (normal operating level increased to 23,371 ac. ft.).

2/ At present spillway elevation; spillway raised 1.24 ft. in 1944.

3/ Conservation Pool.

* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | MISSISSIPPI RIVER BASIN (LOUISIANA TO CHESTER) ILLINOIS, KASKASKIA, AND MERAMEC RIVER BASINS (Continued) | | | | | | | |
| 24-51 | Lock and Dam 26 | Mississippi River | Alton, Ill. | 171,470 | -- | May 1938 | -- | 395,000 | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | May 1945 | 7.1 | 390,200 | -- | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | Dec. 1945 | .6 | -- | -- | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | May 1946 | .4 | 381,200 | -- | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1947 | 1.4 | 408,200 | -- | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | Apr. 1959 | 11.5 | 343,900 | -- | -- | -- | -- | |
| 24-52a | Pool No. 22 | -do- | Saverton, Mo. | 137,500 | -- | July 1938 | -- | 93,858 | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Dec. 1954 | 16.33 | 85,231 | .0017 | -- | .004 | -- | |
| | -do- | -do- | -do- | -- | -- | Dec. 1969 | 15 | 1/102,362 | .0018 | -- | -- | -- | |
| 24-53 | Carlyle Lake | Kaskaskia River | Carlyle, Ill. | 2,680 | 1,650 | Apr. 1967 | -- | 2/27,970 | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Aug. 1971 | 4.3 | 22,870 | -- | -- | .718 | -- | |
| 24-54 | Farmdale | Farm Creek | East Peoria, Ill. | 26.5 | 25.9 | Aug. 1951 | -- | 11,300 | 1.051 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | June 1963 | 11.92 | 11,189 | 1.04 | -- | .36 | -- | |
| | -do- | -do- | -do- | -- | -- | May 1970 | 6.92 | 11,095 | 1.032 | -- | .52 | -- | |
| | -do- | -do- | -do- | -- | -- | Apr. 1972 | 1.92 | 11,089 | 1.031 | -- | .12 | -- | |
| 24-55 | Fondulac | Fondulac Creek | -do- | 5.4 | 5.25 | Sept 1949 | -- | 2,280 | .786 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | June 1963 | 13.82 | 2,163 | .746 | -- | 1.61 | -- | |
| | -do- | -do- | -do- | -- | -- | May 1970 | 6.37 | 2,150 | .741 | -- | .56 | -- | |
| | -do- | -do- | -do- | -- | -- | Apr. 1972 | 1.92 | 2,145 | .74 | -- | .5 | -- | |
| 24-56 | Hambaugh-Martin #1 | Martin Branch | Versailles, Ill. | 2.094 | 2.034 | Sept 1961 | -- | 426.56 | .48 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Feb. 1972 | 10.51 | 375.26 | .42 | 51.6 | 2.38 | 2,697 | |
| | | | | | | UPPER MISSISSIPPI RIVER BASIN (FAIRMONT TO LOUISIANA) Iowa, Skunk, and Des Moines River Basins | | | | | | | |
| 25-1 | Pool #19 (L. Cooper, Keokuk Dam) | Mississippi River | Keokuk, Iowa | 119,000 | -- | -- 1913 | -- | 479,550 | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | June 1928 | 15 | 370,300 | -- | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | June 1938 | 10 | 337,000 | -- | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | June 1946 | 8 | 312,216 | -- | -- | -- | -- | |
| 25-2 | Upper Pine | Pine Creek | Eldora, Iowa | 13.9 | 13.8 | May 1934 | -- | 660 | .145 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1947 | 13.3 | 452 | .099 | *60 | 1.14 | *1,490 | |
| 25-3 | Lake Calhoun | Fitch Creek | Galva, Ill. | 13.1 | 13 | Sept 1924 | -- | 3/425 | -- | -- | -- | -- | IWS |
| | -do- | -do- | -do- | -- | -- | Aug. 1936 | 11.9 | 273 | -- | -- | .977 | 1,190 | |
| | -do- | -do- | -do- | -- | -- | July 1947 | 11 | 112 | -- | 56 | 1.12 | 1,370 | |
| 25-4 | Carthage | Long Creek | Carthage, Ill. | 2.04 | 2.38 | Mar. 1936 | -- | 438.8 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1940 | 28.4 | 408.8 | -- | *80 | 2.45 | 1,560 | |
| 25-5 | McCraney Cr. New Desilting Basin | McCraney Creek | Kinderhook, Ill. | 52 | 50.2 | Dec. 1956 | -- | *2,420 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Dec. 1959 | 3 | *1,770 | -- | *85 | 4.18 | 7,740 | |
| | -do- | -do- | -do- | -- | -- | -- 1941 | 2 | *1,664 | -- | *85 | 1.06 | 1,960 | |
| 25-6 | Pine Lake | Pine Creek | Eldora, Iowa | 15.34 | 15.24 | -- 1924 | -- | 738 | *.148 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Winter 1932 | 8 | 552 | *.111 | *60 | 1.52 | *1,990 | |
| 25-7 | Hadley Cr. Old Desilting Basin | Hadley Creek | New Canton, Ill. | 77 | 4/72.7 | -- 1921 | -- | 3,000 | *.067 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | -- 1936 | 15 | 1,845 | *.041 | *85 | 1.06 | 1,960 | |
| 25-8 | Hadley Cr. New Desilting Basin | -do- | -do- | 77 | 72.7 | Dec. 1936 | -- | 3,080 | *.068 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Dec. 1939 | 3 | 2,556 | *.057 | *85 | 2.41 | 4,460 | |
| 25-9 | Kiser Cr. Desilting Basin | Kiser Creek | -do- | 66 | 5/59.6 | Dec. 1936 | -- | *2,880 | *.078 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Dec. 1939 | 3 | *2,290 | *.059 | *85 | 2.85 | 5,280 | |
| 25-10 | Beeds Lake | Unnamed | Hampton, Iowa | 31.8 | 31.6 | -- 1935 | -- | 1,154 | *.069 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | -- 1946 | 11 | 1,070 | *.064 | *65 | .24 | 340 | |
| 25-11 | C M St. P & P RR Res. | Trib. of Big Creek | Madrid, Iowa | 2.54 | 2.52 | -- 1903 | -- | 43 | *.069 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | -- 1918 | 15 | 25 | *.04 | *70 | .476 | 726 | |
| 25-12a | Fairfield No. 3 | Crow Creek | Fairfield, Iowa | 2.05 | 2 | -- 1927 | -- | 207 | *.303 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | -- 1934 | 7 | 166 | *.242 | *51.6 | 2.96 | 3,327 | |
| | -do- | -do- | -do- | -- | -- | July 1953 | 19 | 135 | *.198 | 51.6 | .795 | 893 | |
| 25-13 | Springbrook | Spring Brook | Guthrie Center, Ia. | 2.1 | 2.1 | -- 1936 | -- | 185 | *.386 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | -- 1946 | 10 | 172 | *.359 | *50 | .638 | 635 | |
| 25-14 | Pool No. 16 | Mississippi River | Muscatine, Iowa | 99,400 | -- | Mar. 1938 | -- | 113,370 | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Nov. 1949 | 11.7 | 106,347 | -- | -- | -- | -- | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25-15 | Pool No. 20 | -----do----- | Canton, Mo. | 134,300 | -- | Oct. 1937 | -- | 89,850 | -- | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1950 | 13.1 | 87,740 | -- | -- | -- | -- | |
| 25-16 | Bloomfield | Unnamed | Bloomfield, Iowa | 2.25 | 2.13 | Sept 1937 | -- | 896 | *.664 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1951 | 14 | 831 | *.616 | *60 | 2.16 | 2,823 | |
| 25-17 | Pool No. 21 | Mississippi River | New Boston, Ill. | 99,600 | -- | Aug. 1938 | -- | 70,800 | -- | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. 1954 | 15.6 | 69,350 | -- | -- | .001 | -- | |
| 25-18 | Pool No. 21 | -----do----- | Quincy, Ill. | 135,000 | -- | July 1938 | -- | 78,040 | -- | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. 1954 | 15.7 | 69,570 | -- | -- | -- | -- | |
| 25-19a | Cornlville | Iowa River | Iowa City, Iowa | 3,115 | 3,076 | Sept 1958 | -- | 492,000 | .47 | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. 1964 | 5.33 | 465,400 | .46 | 40 | .492 | 350 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1968 | 4.33 | 480,110 | .46 | 45 | .397 | 443 | |
| 25-20 | Bear Cr. Wshd. Site A-2 | Bear Creek | Gorin, Mo. | 4.11 | 3.89 | Nov. 1967 | -- | 1,068.4 | .89 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. 1975 | 7.8 | 1,018.3 | .84 | 56.4 | 1.65 | 2,015 | |

UPPER MISSISSIPPI RIVER BASIN (PRAIRIE DU CHIEN TO ROCK ISLAND) AND LAKE MICHIGAN DRAINAGE
Rock and Wapsipinicon River Basins

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26-1a | Pool No. 15 | Mississippi River | Rock Island, Ill. | 88,500 | -- | Mar. 1934 | -- | 39,432 | -- | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. 1938 | 4.5 | 38,546 | -- | -- | .002 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1944 | 6.2 | 38,229 | -- | -- | .001 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Dec. 1946 | 2.1 | 39,224 | -- | -- | -.005 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1948 | 1.9 | 37,643 | -- | -- | .009 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1950 | 2 | 37,881 | -- | -- | -.001 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1952 | 2 | 37,086 | -- | -- | .004 | -- | |
| 26-2 | Backbone L. (Forestville Lake) | Maquoketa River | Strawberry Pt., Ia. | 116 | 116 | July 1934 | -- | 608 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1942 | 7.6 | 589 | -- | -- | .008 | 147 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1949 | 7 | 473 | -- | 75.1 | .022 | 114 | |
| 26-3 | Pool No. 11 | Mississippi River | Dubuque, Iowa | 81,600 | -- | Apr. 1938 | -- | 171,684 | -- | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1953 | 14.8 | 154,526 | -- | -- | .014 | -- | |

UPPER MISSISSIPPI RIVER BASIN (ST. PAUL TO PRAIRIE DU CHIEN)
Wisconsin, Root, Chippewa, and St. Croix River Basins

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27-1 | Elk Creek Lake | Elk Creek | Eau Claire, Wisc. | 60 | 60 | -- 1926 | -- | 683 | *.018 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1941 | 15 | 457 | *.012 | *70 | .252 | 384 | |
| 27-2 | Ettrick Mill Pond | N. Br. Beaver Creek | Ettrick, Wisc. | 50.75 | 50.7 | -- 1871 | -- | 127 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1939 | 68 | 46 | -- | *80 | .023 | 40 | |
| 27-3 | Marinuka (Davis Lake) | Beaver Creek | Galesville, Wisc. | 138.6 | 138.2 | -- 1867 | -- | 1,677 | *.022 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1939 | 72 | 683 | *.009 | 72.5 | .1 | 158 | |
| 27-4 | Prairie du Sac | Wisconsin River | Prairie du Sac, WI. | 8,900 | 5/600 | -- 1914 | -- | 100,000 | -- | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | -- 1933 | 19 | 91,851 | -- | *90 | .717 | 1,400 | |
| 27-5 | Pool No. 5A | Mississippi River | Winona, Minn-Wisc. | 59,100 | -- | July 1936 | -- | 30,900 | -- | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1945 | 9.6 | 26,690 | -- | *90 | -- | -- | |
| 27-6a | DA-1 - Fishbaugher | Trib. D. E. Willow Cr. | Preston, Minn. | 1.31 | 1.29 | Nov. 1946 | -- | 168.7 | .474 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. 1960 | 3.4 | 166.5 | .468 | *70 | .51 | 778 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1964 | 4.1 | 164.1 | .461 | *70 | .43 | 656 | |
| 27-7 | Franklin Farm Pond | Trib. of Spring Creek | Red Wing, Minn. | 1.188 | 1.181 | May 1958 | -- | 110.5 | *.345 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1962 | 4.1 | 104.56 | *.327 | *65 | 1.23 | 1,741 | |
| 27-8 | Frieheit Farm Pond | Trib. of Zumbro River | Zumbro Falls, Minn. | .269 | .268 | Aug. 1955 | -- | 14.27 | *.166 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | May 1962 | 6.8 | 13.29 | *.155 | 49.5 | .52 | 560 | |
| 27-9 | Stelplaugh Farm Pond | Trib. of Corey Creek | Money Creek, Minn. | .231 | .23 | Sept 1957 | -- | 19.09 | *.313 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | May 1962 | 4.7 | 18.04 | *.296 | *65 | .96 | 1,959 | |
| 27-10 | Wohlfiel Farm Pond | Trib. of Zumbro River | Millville, Minn. | .386 | .384 | July 1955 | -- | 27.98 | *.227 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | May 1962 | 6.8 | 26.71 | *.217 | *55 | .49 | 587 | |
| 27-11 | Wold Farm Pond | Trib. of Crooked Creek | Spring Grove, Minn. | .194 | .193 | Aug. 1954 | -- | 10.5 | *.157 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. 1962 | 7.3 | 10.03 | *.15 | 51.86 | .331 | 374 | |
| 27-12 | FD-28 Structure East Willow Cr. Watershed | Trib. of Root River | Preston, Minn. | .436 | .433 | Oct. 1954 | -- | 56.79 | *.444 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1962 | 7.7 | 55.18 | *.431 | *65 | .48 | 680 | |
| 27-13 | E-3 Mensink | Trib. E. E. Willow Cr. | -----do----- | 3.16 | 3.1 | May 1956 | -- | 292.2 | .34 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. 1960 | 3.83 | 291 | .338 | *50 | .11 | 120 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1964 | 4.08 | 287.2 | .334 | *50 | .9 | 330 | |
| 27-14 | Birch Lake | Trout Creek | Barneveld, Wisc. | 1.5 | 1.5 | Oct. 1964 | -- | 219.6 | .32 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. 1975 | 10.5 | 209.37 | .31 | 69 | .65 | 977 | |
| 27-15 | Ruegg-Alberts Group | M. Fk. Trib. Zumbro R. | Pine Island, Minn. | 1.09 | 1.08 | Aug. 1963 | -- | 64.63 | .22 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1971 | 8 | 63.65 | .22 | *55 | .11 | 136 | |
| 27-16 | Structure R-2 Crooked Cr. | N. Fk. Crooked Creek | Caledonia, Minn. | 3.18 | 2.45 | May 1966 | -- | 221.14 | .21 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | May 1971 | 5 | 212.36 | .2 | *80 | .72 | 937 | |

UPPER MISSISSIPPI RIVER BASIN (ABOVE ST. PAUL)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28-1 | Donald Gardner | Minn. (Direct) | St. Peter, Minn. | 1.484 | 1.482 | Aug. 1967 | -- | 36.22 | .11 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1971 | 3.9 | 35.31 | .11 | *60 | .16 | 207 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1976 | 4.6 | 34.06 | .11 | *60 | .18 | 239 | |
| 28-2 | Leroy Hemish | Lac Qui Parle | Canby, Minn. | 2.12 | 2.1 | Aug. 1968 | -- | 98.89 | .58 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1972 | 3.8 | 96.69 | .57 | *56.1 | .28 | 336 | |
| 28-3 | Schuester | Trout Brook Trib. | Afton, Minn. | 3.09 | 3.07 | -- 1967 | -- | 55. | .07 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | -- 1971 | 4 | 54.58 | .07 | *60 | .0342 | 45 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | -- 1973 | 2 | 54.55 | .07 | *60 | .0049 | 6 | |

1/ All 31 ranges show scour, partially due to removal of borrow material.
2/ Conservation Pool capacity. Reservoir has greater capacity at spillway crest elevation.
3/ Spillway raised 2.89 ft. in 1946. Original capacity was 385.6 ac.-ft. All sedimentation and storage loss data based on higher spillway elevation.
4/ Excludes 3.8 sq. mi. Mississippi River bottom land.
5/ Excludes 5.8 sq. mi. Mississippi River bottom land.
6/ Flow from 8,300 sq. mi. of drainage area passes through power dams, which act as silt traps.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | | LAKE SUPERIOR AND LAKE OF THE WOODS AREA (IN MINNESOTA) | | | | | | | | | |
| 29- | | | | | | | | | | | | | |
| | | | | RED RIVER OF THE NORTH BASIN | | | | | | | | | |
| 30-1 | Lake Bronson | Two Rivers | Bronson, Minn. | 439 | 438.5 | Summer 1940 | -- | 3,792 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1950 | 10 | 3,626 | -- | 30.94 | .038 | 26 | |
| 30-2 | Frazee | Otter Tail River | Frazee, Minn. | 210 | 24 | -- 1926 | -- | 155 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1952 | 26. | 137.1 | -- | 20 | .029 | 13 | |
| 30-3 | Blabon Dam | Trib. of Goose River | Blabon, N. Dak. | 1.219 | 1.188 | -- 1935 | -- | 130.69 | *3.354 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1955 | 20 | 107.29 | *2.753 | 41 | .98 | 875 | |
| 30-4 | Dougherty Dam | N. Br. Forest River | Adams, N. Dak. | 20.2 | 14.6 | -- 1935 | -- | 150.7 | *.209 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1957 | 22 | 139.6 | *.194 | 25 | .034 | 19 | |
| 30-5 | Gustafson Farm Pond | Park River | do | 3.755 | 3.67 | -- 1941 | -- | 38.7 | *.284 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1955 | 14 | 33.36 | *.245 | *35 | .101 | 77 | |
| 30-6 | Gwinner Dam | Trib. Wild Rice River | Gwinner, N. Dak. | .226 | .222 | -- 1936 | -- | 12.92 | *2.494 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1956 | 20 | 10.29 | *1.986 | 29 | .59 | 373 | |
| 30-7 | Madsen Farm Pond | Swan Creek | Wheatland, N. Dak. | 27.76 | 27.76 | -- 1939 | -- | 22.82 | *.026 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1956 | 17 | 19.1 | *.022 | *35 | .0078 | 6 | |
| 30-8 | Magnolia Dam | Buffalo Creek | do | 12.16 | 11.72 | -- 1908 | -- | 157.92 | *.406 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1956 | 48 | 127.4 | *.328 | *35 | .052 | 40 | |
| 30-9 | Mason Siding Dam | Rush River | Erie, N. Dak. | 30.2 | 30.2 | -- 1912 | -- | 43.15 | *.045 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1956 | 44 | 35.4 | *.037 | *35 | .0058 | 4 | |
| 30-10 | Melvin Bellerud Farm Pd. | Park River | Adams, N. Dak. | 1.125 | 1.121 | -- 1942 | -- | 18.78 | *.412 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1955 | 13 | 14.47 | *.355 | *35 | .1579 | 115 | |
| 30-11 | Milton WPA Dam | do | Milton, N. Dak. | 14.375 | 14.356 | -- 1934 | -- | 89.59 | *.1288 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1955 | 21 | 48.19 | *.089 | *35 | .0076 | 52 | |
| 30-12 | Norby Dam | Trib. Wild Rice River | Havana, N. Dak. | .183 | .183 | -- 1934 | -- | 5.227 | *1.191 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1956 | 22 | 4.467 | *1.018 | *45 | .188 | 184 | |
| 30-13 | Raleigh Dam | Dog Tooth Creek | Raleigh, N. Dak. | 4.45 | 4.45 | -- 1909 | -- | 175.47 | *.925 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1956 | 47 | 145.23 | *.766 | *35 | .144 | 110 | |
| 30-14 | Sioux Railroad Reservoir | Park River | Adams, N. Dak. | 16.855 | 16.66 | -- 1911 | -- | 88.37 | *.145 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1955 | 44 | 69.16 | *.113 | *35 | .026 | 19 | |
| 30-15 | White Lake | Trib. Wild Rice River | Havana, N. Dak. | 37 | 21.08 | -- 1938 | -- | 1,895.6 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | -- 1957 | 19 | 1,808.8 | -- | 32 | .2167 | 151 | |
| 30-16a | Baldhill D (L. Ashtabula) | Sheyenne River | Valley City, N.D. | 1/4,138 | 2/1,979 | Dec. 1952 | -- | 76,400 | .139 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Jan. 1958 | 5.1 | 75,410 | .137 | *90 | .0981 | 192 | |
| | do | do | do | -- | -- | Feb. 1964 | 6.1 | 74,367 | 1.35 | *90 | .0865 | 170 | |
| | do | do | do | -- | -- | Jan. 1971 | 6.9 | 73,670 | 1.34 | *90 | .051 | 100 | |
| 30-17a | Homme Dam (Park River) | S. Br. Park River | Park River, N. D. | 229 | 229 | Jan. 1953 | -- | 3,650 | .297 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Mar. 1958 | 5.2 | 3,382 | .275 | *90 | .225 | 441 | |
| | do | do | do | -- | -- | Mar. 1964 | 6 | 3,253 | .264 | *90 | .0938 | 184 | |
| | do | do | do | -- | -- | Dec. 1970 | 6.8 | 2,971 | .242 | *90 | .18 | 353 | |
| 30-18 | John McWilliams | Sand Hill River | McKintosh, Minn. | 1.48 | 1.46 | July 1958 | -- | 38.25 | .32 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1971 | 12.8 | 37.81 | .32 | *55 | .023 | 28 | |
| 30-19 | Orwell Dam | Ottertail | Fergus Falls, Minn. | 1,820 | 245 | May 1954 | -- | 14,100 | .068 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Mar. 1964 | 9.8 | 14,028 | .068 | *90 | .03 | 59 | |
| | do | do | do | -- | -- | Dec. 1970 | 6.8 | 13,975 | .067 | *90 | .0317 | 62 | |
| | | | | MISSOURI RIVER BASIN (NEBRASKA CITY TO HERMANN) | | | | | | | | | |
| 31-1 | Lake of the Ozarks (Bagnell Dam) | Osage River | Eldon, Mo. | 14,000 | 13,900 | Feb. 1931 | -- | 2,087,223 | .299 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Oct. 1948 | 17.8 | 1,972,531 | .283 | 59.2 | .464 | 598 | |
| 31-2 | Carl Chinquist | Trib. West Nodaway R. | Stanton, Iowa | .166 | .163 | June 1938 | -- | 3/9.46 | *.231 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1949 | 10.9 | 2.59 | *.063 | 49.9 | 3.87 | 4,200 | |
| 31-3 | L. H. Fuelling | Trib. Tarkio Creek | Westboro, Mo. | 1.05 | 1.04 | July 1939 | -- | 3/31.8 | *.132 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1949 | 9.8 | 1.93 | *.008 | 62.5 | 2.93 | 3,900 | |
| 31-4 | McDaniel Lake | Little Sac River | Springfield, Mo. | 41.9 | 41.5 | -- 1929 | -- | 3,452 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1940 | 11 | 3,207 | -- | *60 | .538 | 703 | |
| 31-5 | Doniphan Co. Old Desilting Basin | Chase Creek | Blair, Kans. | 1.62 | 1.58 | -- 1920 | -- | 159.2 | *.324 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1937 | 4/10 | 23.6 | *.046 | 84.4 | 8.58 | 15,770 | |
| 31-6 | Leavenworth Co. State L. | Unnamed Trib. | Tonganoxie, Kans. | 3.83 | 3.56 | Sept 1931 | -- | 3,916 | 3.701 | -- | --- | -- | SCS |
| | do | do | do | -- | -- | Nov. 1947 | 16.1 | 3,771 | 3.564 | 61.45 | 2.53 | 3,366 | |
| 31-7 | Lyon Co. State (Reading Lake) | do | Reading, Kans. | 2.19 | 5/1.79 | -- 1935 | -- | 1,689 | *3.428 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1939 | 4 | 1,870 | *3.394 | *60 | 2.73 | 3,568 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31-8 | Martin Farm Lake | Osage River | Ottawa, Kans. | .18 | .17 | Nov. 1930 | -- | 33 | *.559 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1937 | 6.9 | 30 | *.508 | *60 | 2.82 | 3,685 | |
| 31-9 | Mission Lake | Mission Creek | Horton, Kans. | 8.15 | 7.76 | May 1924 | -- | 1,866 | *1.025 | -- | -- | -- | AES |
| | do | do | do | -- | -- | Apr. 1937 | 13 | 1,563 | *.858 | 62.2 | 3 | 4,064 | |
| | do | do | do | -- | -- | July 1954 | 17.2 | 1,181 | *.649 | 53.3 | 2.86 | 3,326 | |
| | do | do | do | -- | -- | Aug. 1967 | 13.1 | 1,091.5 | *.599 | 58.5 | .88 | 15 | |
| 31-10 | Moran | S. Fk. Osage River | Moran, Kans. | 5.35 | 5.28 | Apr. 1913 | -- | 365 | *.13 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1930 | 26.4 | 238 | *.106 | 49.15 | .477 | 311 | |
| 31-11 | Lake Olathe | Cedar Creek | Olathe, Kans. | 6.9 | 6.11 | July 1952 | -- | 721 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1967 | 4.9 | 696 | -- | 82.4 | 1.04 | 2,401 | |
| | do | do | do | -- | -- | July 1968 | 12.1 | 486 | -- | 87.0 | 2.71 | 2,770 | |
| 31-12 | Richmond | Unnamed Trib. | Richmond, Kans. | 2.17 | 2.07 | -- 1909 | -- | 405 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1937 | 28 | 289 | -- | *80 | 2 | 2,614 | |
| 31-13 | Lampe Farm Pond | Trib. of Muddy Creek | Howe, Nebr. | .065 | .064 | Aug. 1942 | -- | 8 | *.231 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Dec. 1948 | 6.3 | 2.04 | *.157 | 57.4 | 2.41 | 3,010 | |
| 31-14 | E. W. Howell | Trib. Tarkio Creek | Tarkio, Mo. | .509 | .505 | July 1934 | -- | 3/33.7 | *.303 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1949 | 6/6.9 | .03 | *.0003 | 72.5 | 9.66 | 15,250 | |
| 31-15 | Allerton | South Chariton River | Allerton, Iowa | 4.98 | 4.82 | -- 1913 | -- | 511 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. 1939 | 25.5 | 401 | -- | *60 | .894 | 1,170 | |
| 31-16 | Centerville No. 2 | Manson's Branch | Centerville, Iowa | 2.7 | 2.62 | -- 1926 | -- | 1,111 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | -- 1937 | 11 | 1,050 | -- | *60 | 2.12 | 2,760 | |
| 31-17 | Lake of Three Fires | E. Fk. 102 River | Bedford, Iowa | 6.15 | 5.97 | July 1936 | -- | 1,231 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Feb. 1950 | 13.6 | 860 | -- | -- | 4.58 | -- | |
| 31-18 | Dominey Reservoir | Longs Creek | Johnson, Nebr. | .703 | .699 | -- 1952 | -- | 10.4 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | -- 1956 | 4 | 10.7 | -- | *65 | .964 | 1,365 | |
| 31-19 | Hawley Reservoir | Trib. of Nemaha River | Brock, Nebr. | .12 | .115 | -- 1947 | -- | 11.37 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | -- 1956 | 9 | 10.35 | -- | *65 | .942 | 1,334 | |
| 31-20a | Schneider Reservoir | Long Branch | Johnson, Nebr. | .188 | .184 | -- 1962 | -- | 10.4 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | -- 1956 | 4 | 6.23 | -- | *65 | 5.65 | 8,000 | |
| 31-21 | Cox | Unnamed Trib. | Blue Rapids, Kans. | .31 | .3 | June 1946 | -- | 6.92 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Mar. 1955 | 8.8 | 4.05 | -- | 67.22 | 1.1 | 1,610 | |
| 31-22 | Droege | do | Osage City, Kans. | .4 | .4 | Mar. 1944 | -- | 3/12.89 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1955 | 11.5 | 8.4 | -- | *60 | .97 | 1,267 | |
| 31-23 | Flinner | do | Leavenworth, Kans. | .64 | .63 | Nov. 1936 | -- | 81.6 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1957 | 20.7 | 26.1 | -- | *60 | 4.22 | 5,515 | |
| 31-24 | Honey Creek No. A-2 | Trib. of Honey Creek | Russell, Iowa | .278 | .274 | Oct. 1956 | -- | 52.7 | *.75 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1958 | 2 | 52.3 | *.744 | 66 | .71 | 1,000 | |
| | do | do | do | -- | -- | Sept 1959 | .92 | 52.2 | *.742 | 66 | .74 | 1,100 | |
| | do | do | do | -- | -- | Jan. 1961 | 1.33 | 52.2 | *.742 | 66 | 0 | 0 | |
| 31-25 | Honey Creek No. A-4 | do | do | .355 | .346 | Aug. 1957 | -- | 64.9 | *.724 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1958 | 1.17 | 63.5 | *.708 | 66 | 3.52 | 5,100 | |
| | do | do | do | -- | -- | Aug. 1959 | .83 | 63.3 | *.706 | 66 | .71 | 1,000 | |
| | do | do | do | -- | -- | Jan. 1961 | 1.42 | 63.3 | *.706 | 66 | 0 | 0 | |
| 31-26 | Honey Creek No. F-1 | do | do | 1.213 | 1.2 | Nov. 1955 | -- | 184 | *.6 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1958 | 2.92 | 181 | *.59 | 66 | .77 | 1,100 | |
| | do | do | do | -- | -- | Oct. 1959 | 1 | 179 | *.584 | 66 | 2.02 | 2,900 | |
| | do | do | do | -- | -- | Jan. 1961 | 1.25 | 179 | *.584 | 66 | 0 | 0 | |
| 31-27 | Honey Creek No. E-1 | do | do | .478 | .47 | July 1955 | -- | 142 | *1.176 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1956 | 2.92 | 140 | *1.158 | 66 | 1.35 | 1,900 | |
| | do | do | do | -- | -- | Sept 1959 | 1.25 | 138 | *1.142 | 66 | 2.61 | 3,600 | |
| | do | do | do | -- | -- | Jan. 1961 | 1.33 | 138 | *1.142 | 66 | 0 | 0 | |
| 31-28 | Honey Creek No. I-1 | do | do | .503 | .495 | Nov. 1955 | -- | 106 | *.833 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1958 | 2.92 | 105 | *.826 | 66 | .85 | 1,200 | |
| | do | do | do | -- | -- | Sept 1959 | .92 | 104 | *.818 | 66 | 2.22 | 3,200 | |
| | do | do | do | -- | -- | Jan. 1961 | 1.33 | 104 | *.818 | 66 | 0 | 0 | |
| 31-29 | Miller Ranch | Unnamed Trib. | Miller, Kans. | .71 | .7 | Nov. 1936 | -- | 52.72 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1955 | 18.8 | 37.83 | -- | 62.7 | 1.13 | 1,297 | |
| 31-30 | Nolte | Trib. of Wolf River | Hiawatha, Kans. | .42 | .42 | May 1951 | -- | 3/7.55 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1955 | 4 | 5.67 | -- | 68.43 | 1.12 | 1,869 | |
| 31-31 | Prairie Lake | Unnamed Trib. | Holton, Kans. | 1.49 | 1.4 | Oct. 1947 | -- | 721.7 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1955 | 8 | 653.1 | -- | 54.3 | 6.12 | 7,197 | |
| 31-32 | Nyhart | do | Effingham, Kans. | .16 | .15 | Oct. 1949 | -- | 3/49.4 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1957 | 7.9 | 46.3 | -- | *60 | 2.4 | 3,136 | |
| 31-33 | Sabetha Lake | Deer Cr. Trib. Nemaha | Sabetha, Kans. | 9.17 | 8.99 | Jan. 1936 | -- | 1,934 | .804 | -- | -- | -- | AES |
| | do | do | do | -- | -- | June 1951 | 15.5 | 1,310 | .544 | 54.7 | 4.48 | 5,337 | |
| | do | do | do | -- | -- | Aug. 1952 | 1.2 | 1,234 | .513 | 53.7 | 7.04 | 6,980 | |
| | do | do | do | -- | -- | Oct. 1953 | 1.1 | 1,259 | .523 | 58 | 7/-2.52 | -- | |
| | do | do | do | -- | -- | Apr. 1955 | 1.5 | 1,206 | .501 | 54.1 | 3.93 | 379 | |
| | do | do | do | -- | -- | Apr. 1956 | 1 | 1,205 | .501 | 55 | .11 | 1,720 | |
| | do | do | do | -- | -- | Apr. 1958 | 2 | 1,200 | .499 | 56.2 | .28 | 1,400 | |
| | do | do | do | -- | -- | July 1960 | 2.3 | 1,117 | .464 | 54.6 | 4.02 | 3,537 | |

1/ Total drainage area (exclusive of closed Devils Lake Basin with drainage area of 3,940 sq. mi.).

2/ About 2,150 sq. mi. of the total drainage area shown is also noncontributing.

3/ Water supply pool capacity. Reservoir has greater capacity at spillway crest elevation.

4/ Water diverted from basin after June 1930.

5/ Excluding area of lake and 0.31 sq. mi. above stock pond.

6/ Reservoir silted full Dec. 1936; Crest raised June 1937; silted full again Dec. 1940; crest raised again May 1945; silted full again May 1949. Age computed as 6.9 yr.

7/ Minus (-) indicates scour or compaction (treated as negative sediment).

* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | MISSOURI RIVER BASIN (NEBRASKA CITY TO HERMAN) (Continued) | | | | | | | |
| 31-34 | Sutter | Unnamed | Effingham, Kans. | .17 | .16 | Jan. 1950 | -- | 1/53.2 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1957 | 7.7 | 50.86 | -- | *60 | 1.88 | 2,457 | |
| 31-35 | Shirley Pond | do | Lawrence, Kans. | .18 | .18 | Mar. 1939 | -- | 20.86 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. 1956 | 17.7 | 33.05 | -- | 38.7 | .56 | 1,038 | |
| 31-36 | Trentman | do | Fairview, Kans. | .18 | .18 | May 1947 | -- | 1/3.78 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1955 | 8.4 | 2.42 | -- | 32.61 | .8 | 1,301 | |
| 31-37 | Thorne | do | Effingham, Kans. | 1.17 | 1.16 | Sept 1946 | -- | 1/23.13 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1957 | 11 | 17.7 | -- | *60 | .9 | 1,176 | |
| 31-38c | Ashland Reservoir | Brushy Creek | Ashland, Mo. | 3.78 | 3.75 | Apr. 1937 | -- | 280.48 | -- | -- | -- | -- | ARS |
| | do | do | do | -- | -- | Nov. 1949 | 12.6 | 212.01 | -- | 69 | 1.44 | 2,178 | |
| | do | do | do | -- | -- | Apr. 1951 | 1.4 | 208.14 | -- | 68 | .73 | 807 | |
| | do | do | do | -- | -- | July 1955 | 4.3 | 202.23 | -- | *68 | .36 | 543 | |
| | do | do | do | -- | -- | June 1962 | 6.9 | 186.07 | -- | 69.4 | .62 | 1,038 | |
| | do | do | do | -- | -- | July 1968 | 6.1 | 171.52 | -- | 64.7 | .62 | 614 | |
| | do | do | do | -- | -- | July 1971 | 3 | 153.24 | -- | 62.6 | 1.65 | 1,870 | |
| 31-39 | Higginsville Old City L. | Trib. of Davis Creek | Higginsville, Mo. | 2.728 | 2.633 | Sept 1924 | -- | 520 | -- | -- | -- | -- | ARS |
| | do | do | do | -- | -- | July 1964 | 39.8 | 304 | -- | 55.94 | 2.061 | 2,511 | |
| 31-40 | Huscher | Trib. of Brush Creek | Lawrence, Kans. | .334 | 2/.181 | Oct. 1950 | -- | 32.26 | -- | -- | -- | -- | ARS |
| | do | do | do | -- | -- | Aug. 1964 | 13.8 | 25.55 | -- | 58.74 | 2.686 | 3,436 | |
| 31-41 | Mitchell | Trib. Washington Creek | Lawrence, Kans. | .119 | .117 | Oct. 1949 | -- | 7.94 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1962 | 12.67 | 6.73 | -- | 56.8 | .85 | 1,051 | |
| 31-42 | McNees | Trib. Wakarusa River | Clinton, Kans. | .61 | .58 | Jan. 1950 | -- | 6.77 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1962 | 12.4 | 6.26 | -- | 47.9 | .07 | 73 | |
| 31-43 | Kennedy | Trib. Wakarusa River | Richland, Kans. | .23 | .22 | Apr. 1937 | -- | 61.19 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1962 | 25.1 | 54.27 | -- | 46.7 | 1.27 | 1,294 | |
| 31-44 | Gertsenberger | Trib. of Kansas River | Eudora, Kans. | .125 | .122 | May 1955 | -- | 1/7.52 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1962 | 7.1 | 5.68 | -- | 56.2 | 2.13 | 2,609 | |
| 31-45 | Lake Elbow | Trib. of Kansas River | Manhattan, Kans. | 3.2 | 3.14 | Spr. 1949 | -- | 206 | .303 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1965 | 16.33 | 176 | .259 | 75 | .58 | 947 | |
| 31-46 | Rokey | Trib. of Nemaha River | Sabetha, Kansas | .284 | .28 | May 1956 | -- | 1/13.97 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. 1962 | 5.9 | 11.32 | -- | 50.7 | 1.61 | 1,777 | |
| 31-47a | Callahan Cr. Wshd. (C-1) | Barclay Branch | Columbia, Mo. | 5.625 | 5.515 | Apr. 1967 | -- | 1,017.07 | -- | -- | -- | -- | ARS |
| | do | do | do | -- | -- | Aug. 1967 | .25 | 1,010.8 | -- | 41.6 | 4.57 | 4,144 | |
| | do | do | do | -- | -- | Aug. 1969 | 2 | 989.3 | -- | 53 | 1.94 | 2,379 | |
| | do | do | do | -- | -- | July 1971 | 1.9 | 974.9 | -- | 58.2 | 1.36 | 2,059 | |
| | do | do | do | -- | -- | June 1974 | 2.9 | 948.7 | -- | 64.4 | 1.64 | 2,655 | |
| 31-48 | Wakefield | Trib. Marias Des Cygnes | Mound City, Kans. | .83 | .82 | -- | 1936 | 19.67 | .05 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1967 | 31 | 11.06 | .03 | *60 | .34 | 444 | |
| 31-49 | Pool | Trib. Elk Creek | Circleville, Kans. | .16 | .16 | Oct. 1958 | -- | 18.07 | .39 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1968 | 9.75 | 16.18 | .35 | *60 | 1.19 | 1,555 | |
| 31-50 | Richter | Trib. Straight Creek | Holton, Kans. | .28 | .27 | Fall 1957 | -- | 64.36 | .8 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1968 | 11 | 59.98 | .74 | *60 | 1.47 | 1,921 | |
| 31-51 | Reamer | do | do | .23 | .23 | July 1956 | -- | 31.26 | .47 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1968 | 12 | 27.3 | .41 | *60 | 1.43 | 1,869 | |
| 31-52 | Rogers | Big Sugar | Garrett, Kans. | 1.17 | 1.16 | -- | 1936 | 22.8 | .049 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1967 | 31 | 14.1 | .03 | 67 | .24 | 350 | |
| 31-53 | Lemon | Trib. of Elm Creek | Parker, Kans. | .19 | .19 | June 1961 | -- | 6.7 | .08 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1967 | 6 | 6.16 | .08 | 60 | .47 | 614 | |
| 31-54 | Elko Camera Reservoir | Trib. Bull Creek | Gardner, Kans. | .77 | .69 | July 1960 | -- | 204.3 | .607 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1970 | 10.2 | 191.1 | .568 | *60 | 1.88 | 2,457 | |
| 31-55 | Oberhelmon Pond | do | Edgerton, Kans. | .57 | .5 | Sept 1960 | -- | 14.883 | .061 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1970 | 10 | 11.05 | .045 | *65 | .77 | 1,099 | |
| 31-56 | Richmond Lake | Dry Branch | Richmond, Kans. | .96 | .94 | -- | 1956 | 232.80 | .84 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1967 | 12 | 223.06 | .83 | *60 | 1.07 | 1,398 | |
| 31-57 | Hall Pond | Trib. Little Sugar | Parlinville, Kans. | .38 | .37 | Feb. 1955 | -- | 46.22 | .25 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1967 | 12 | 42.87 | .24 | *60 | .76 | 993 | |
| 31-58 | Johnson Pond | do | Blue Mound, Kans. | .94 | .93 | -- | 1936 | 24.03 | .05 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1967 | 31 | 17.3 | .039 | *60 | .24 | 313 | |
| 31-59 | Bailey Reservoir | Trib. Grindstone | Sturgen, Mo. | .367 | .352 | Sept 1965 | -- | 92.7 | -- | -- | -- | -- | ARS |
| | do | do | do | -- | -- | Sept 1967 | 2 | 91 | -- | -- | 2.4 | -- | |
| | do | do | do | -- | -- | Sept 1975 | 8 | 87.7 | -- | 42 | 1.16 | -- | |
| 31-60 | Bethany | Big Creek | Bethany, Mo. | 1.041 | .928 | June 1960 | -- | 1,313.9 | 4.73 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1973 | 13.1 | 1,271.6 | 4.58 | 54.2 | .35 | 411 | |
| 31-61 | Eugene Wagner Stock Pond | Trib. Dawson Creek | Easton, Kans. | .62 | .62 | Sept 1956 | -- | 3/44.29 | .21 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1973 | 16.85 | 20.75 | .097 | *70 | 2.25 | 3,435 | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31-62 | Geo. Stiglemire Stock Pd. | Trib. Jarbalo Creek---- | McLouth, Kans.--- | .58 | .58 | Aug. 1958 | -- | 3/40.59 | .2 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Aug. 1973 | 15 | 22.5 | .11 | *70 | 2.08 | 3,170 | |
| 31-63 | John DeFries Stock Pond- | Trib. Stranger Creek--- | Tonganoxie, Kans. | .20 | .20 | June 1960 | -- | 3/64.08 | .92 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | June 1963 | 13 | 57.20 | .83 | *70 | 2.65 | 4,034 | |
| 31-64 | John Phillips Reservoir- | Trib. Conner Creek----- | Wolcott, Kans.--- | .11 | .11 | Apr. 1966 | -- | 3/12.36 | .32 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | July 1973 | 7.25 | 10.35 | .27 | *70 | 2.62 | 3,848 | |
| 31-65 | John Willits Farm Pond-- | Trib. Buck Creek------- | Oskaloosa, Kans.- | .33 | .33 | Apr. 1961 | -- | 3/7.44 | .07 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | July 1973 | 12.3 | 2.23 | .02 | *70 | 1.28 | 1,957 | |
| 31-66 | Lake Dabinawa---------- | Mud Creek------------- | Lawrence, Kans.-- | 3.60 | 3.47 | Dec. 1958 | 4/-- | 3/1,060 | .92 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | June 1974 | 15.5 | 940 | .82 | *70 | 2.23 | 3,401 | |
| 31-67 | Max Rieke Stock Pond---- | Trib. Kansas River----- | Desoto, Kans.---- | .41 | .41 | June 1964 | -- | 3/428.41 | 2.45 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Aug. 1973 | 9.17 | 425.00 | 2.43 | *70 | .91 | 1,383 | |
| 31-68 | Michael Pavicich Res.--- | Trib. Betts Creek------ | Edwardsville, Kans | .16 | .16 | Oct. 1971 | -- | 3/54.26 | .98 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | July 1973 | 1.75 | 53.65 | .97 | *70 | 2.18 | 3,322 | |
| 31-69 | Oran Harvey Stock Pond-- | Trib. Tonganoxie Creek- | Tonganoxie, Kans. | .23 | .23 | Nov. 1963 | -- | 3/23.20 | .29 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | July 1973 | 9.33 | 14.06 | .18 | *70 | 4.26 | 6,494 | |
| 31-70 | S. Fk. Blackwater Site A-1 | Branch South Fork------ | Kinsville, Mo.--- | 2.62 | 2.52 | Aug. 1964 | -- | 490.6 | .439 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | June 1975 | 10.8 | 456.0 | .438 | 51.38 | 1.27 | 1,421 | |

SMOKY HILL AND LOWER REPUBLICAN RIVER BASINS

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32-1 | Ottawa County State Lake | Sand Creek------------ | Bennington, Kans. | 20.47 | 20.26 | -- | 1929 | -- | 1,001 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Apr. | 1937 | 8 | 930 | -- | -- | .438 | -- | |
| 32-2 | Sheridan Co. State Lake- | Saline River---------- | Quinter, Kans.--- | 493 | 463 | Aug. | 1937 | -- | 777 | -- | -- | -- | -- | BR |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Aug. | 1948 | 10.8 | 436 | -- | 66.5 | .0681 | 99 | |
| 32-3a | Kanopolis-------------- | Smoky Hill River------- | Kanopolis, Kans.- | 7,860 | 5/2,560 | July | 1946 | --. | 446,000 | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept | 1960 | 14.2 | 436,320 | -- | *50 | .27 | 204 | |
| 32-4 | Allington Reservoir----- | Sicily Creek---------- | Beatrice, Nebr.-- | .52 | .518 | -- | 1938 | -- | 33,104 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | -- | 1956 | 20 | 14.704 | -- | *65 | 1.77 | 2,556 | |
| 32-5 | Barnard Farm Reservoir-- | Indian Creek---------- | -----do---------- | .675 | .661 | Aug. | 1947 | -- | 30.5 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | May | 1956 | 8.75 | 22.22 | -- | *65 | 1.4 | 1,982 | |
| 32-6 | Evers Reservoir--------- | Trib. Little Blue River | Hubbell, Nebr.--- | .175 | .171 | -- | 1957 | -- | 8.058 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | -- | 1958 | 21 | 2,301 | -- | *65 | 1.566 | 2,217 | |
| 32-7 | Fling Estate----------- | -----do----------- | -----do---------- | .108 | .103 | -- | 1945 | -- | 18,686 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | -- | 1958 | 13 | 13,852 | -- | *65 | 3.44 | 4,870 | |
| 32-8 | Hansmire Reservoir------ | -----do----------- | Reynolds, Nebr.-- | -- | -- | -- | 1948 | -- | 5,943 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | -- | 1958 | 10 | 3,641 | -- | *65 | 2.56 | 3,624 | |
| 32-9 | Kapke Reservoir--------- | -----do----------- | Gladstone, Nebr.- | .306 | .302 | -- | 1913 | -- | 9,806 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | -- | 1956 | 45 | 5,179 | -- | *65 | .337 | 477 | |
| 32-10 | Kuhns Reservoir No. 1--- | Bloody Run------------ | Virginia, Nebr.-- | .422 | .404 | -- | 1899 | -- | 70.7 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | -- | 1956 | 57 | 30.8 | -- | *70 | 1.66 | 2,531 | |
| 32-11 | Kuhns Reservoir No. 2--- | -----do----------- | -----do---------- | .102 | .099 | -- | 1946 | -- | 9.67 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | -- | 1956 | 10 | 8.06 | -- | *65 | 1.58 | 2,257 | |
| 32-12 | Onner Reservoir--------- | Trib. Little Blue River | Gladstone, Nebr.- | .292 | .283 | -- | 1946 | -- | 5,587 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | -- | 1958 | 12 | 3,735 | -- | *65 | .527 | 746 | |
| 32-13 | Peithman Reservoir------ | -----do----------- | Hubbell, Nebr.--- | .216 | .212 | -- | 1950 | -- | 9,934 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | -- | 1958 | 8 | 5,574 | -- | *65 | 2.523 | 3,572 | |
| 32-14 | Wit Reservoir----------- | -----do----------- | -----do---------- | .191 | .187 | -- | 1946 | -- | 12,274 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | -- | 1958 | 12 | 6,522 | -- | *65 | 2.508 | 3,551 | |
| 32-15a | Woody Hereford Ranch---- | Unnamed Trib.---------- | Lincoln, Kans.--- | 1.2 | 1.19 | Nov. | 1936 | -- | 41.6 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept | 1955 | 19 | 23.6 | -- | *60 | .79 | 1,032 | |
| 32-16a | Daugherty--------------- | -----do----------- | Russell, Kans.--- | .97 | .96 | Sept | 1947 | -- | 22.5 | .435 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept | 1955 | 9 | 16.1 | .311 | *60 | .86 | 1,086 | |
| 32-17 | Lost Creek D-1---------- | Trib. of Lost Creek---- | Lincoln, Kans.--- | 1.56 | 1.52 | Jan. | 1957 | -- | 1/92.46 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | July | 1962 | 5.5 | 86.67 | -- | 47.1 | .69 | 708 | |
| 32-18 | Jepson----------------- | Trib. Spillman Creek--- | -----do---------- | 1 | 1 | May | 1958 | -- | 1/47.73 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | July | 1962 | 9.2 | 39.44 | -- | 61.2 | .9 | 1,200 | |
| 32-19 | Wilson Bros.------------ | Trib. of Saline River-- | -----do---------- | .22 | .21 | Sept | 1950 | -- | 1/9.51 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | July | 1962 | 11.8 | 8.28 | -- | *60 | .46 | 627 | |
| 32-20 | Zvolanek---------------- | -----do----------- | -----do---------- | .222 | .22 | Nov. | 1953 | -- | 1/16.65 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | July | 1962 | 8.75 | 15.23 | -- | 70.6 | .73 | 1,122 | |
| 32-21 | Ekstrum----------------- | Trib. of Timber Creek-- | Vliets, Kans.---- | .16 | .15 | July | 1956 | -- | 1/15.29 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | May | 1962 | 5.8 | 14.14 | -- | 80.9 | 1.53 | 2,344 | |
| 32-22 | Cornelson--------------- | Trib. Black Vermillion- | -----do---------- | .125 | .12 | June | 1956 | -- | 1/8.16 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | May | 1962 | 5.9 | 5.84 | -- | 69.6 | 5.25 | 4,530 | |
| 32-23 | Droge------------------- | Unnamed Trib.---------- | Bern, Kans.------ | .35 | .34 | July | 1956 | -- | 1/27.0 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | May | 1962 | 5.8 | 25.15 | -- | 50.1 | 1.44 | 1,960 | |
| 32-24 | Robson------------------ | Trib. of Holland Creek- | Elmo, Kans.------ | .156 | .152 | June | 1956 | -- | 1/10.51 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | June | 1962 | 6 | 9.66 | -- | 75.6 | .22 | 1,515 | |
| 32-25 | Jacobson---------------- | Trib. of Turkey Creek-- | Dayton, Kans.---- | .211 | .206 | July | 1950 | -- | 11.78 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | June | 1962 | 12 | 5.16 | -- | 62.9 | 2.67 | 3,658 | |
| 32-26 | Pray-------------------- | -----do----------- | Elmo, Kans.------ | .128 | .127 | Dec. | 1954 | -- | 1.78 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | June | 1962 | 7.6 | 1.47 | -- | 55.7 | .31 | 376 | |
| 32-27 | Rock-------------------- | Trib. Smoky Hill River- | Navarre, Kans.--- | .56 | .544 | Oct. | 1954 | -- | 4.88 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | July | 1962 | 7.75 | 2.71 | -- | 53.4 | .51 | 593 | |
| 32-28 | Dodd-------------------- | Trib. of Dutch Creek--- | Centralia, Kans.- | .64 | .63 | Oct. | 1953 | -- | 1/74.07 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | May | 1962 | 8.6 | 65.34 | -- | 53.2 | 1.62 | 1,878 | |
| 32-29 | Harlan County Lake------ | Republican River------- | Republican City, Nebraska------- | 20,753 | 6/7,169 | July | 1951 | -- | 852,700 | 2.04 | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept | 1962 | 11.25 | 840,600 | 2.01 | 72 | .116 | 182 | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Apr. | 1972 | 9.67 | 828,800 | 1.98 | 62 | .16 | 189 | |

1/ Water supply pool capacity. Reservoir has greater capacity at spillway crest elevation.
2/ Excludes conservation pool area and terraced area of watershed.
3/ Conservation Pool.
4/ Emergency and principle spillway raised two feet in June 1959.
5/ 7,860 prior to closure of Cedar Bluff Dam Sept. 1950.
6/ Corrected for upstream Reservoirs.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SMOKY HILL AND LOWER REPUBLICAN RIVER BASINS (Continued) | | | | | | | | |
| 32-30 | Grant Tozier---------- | Trib. of Saline River-- | Beverly, Kans.---- | .99 | .96 | Mar. 1952 | -- | 1/71.9 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1965 | 13.6 | 60.9 | -- | *72 | .84 | 1,917 | |
| 32-31 | Heikes Pond---------- | Trib. Elk Creek------- | Lenora, Kans.----- | 1.84 | 1.83 | Oct. 1957 | -- | 32 | .466 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1970 | 12.8 | 24.59 | .356 | *75 | .32 | 523 | |
| 32-32 | Finney Pond---------- | Trib. Third Creek------ | Simpson, Kans.---- | 1.39 | 1.27 | Oct. 1960 | -- | 122.5 | 1.003 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1970 | 9.7 | 116 | .951 | *80 | .53 | 923 | |
| 32-33 | Chrisler Pond---------- | Trib. Saline River----- | Victoria, Kans.--- | 1.01 | .26 | Dec. 1956 | -- | 59.56 | 1.055 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1970 | 13.6 | 56.93 | 1.02 | *60 | .77 | 1,004 | |
| 32-34 | Chancy Pond---------- | Trib. Dry Creek------- | Delphos, Kans.---- | 1.08 | .92 | Dec. 1956 | -- | 108.11 | .939 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1970 | 13.5 | 99.11 | .862 | *60 | .72 | 947 | |
| 32-35 | Bruna Pond---------- | Trib. Little Blue------ | Washington, Kans.- | 1.2 | 1.16 | Apr. 1956 | -- | 86.033 | .395 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1970 | 13.3 | 78.19 | .36 | *75 | .51 | 831 | |
| 32-36 | Burger Pond---------- | Trib. Buffalo Creek---- | Randall, Kans.---- | .59 | .57 | June 1953 | -- | 22.68 | .38 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1970 | 17 | 11.51 | .195 | *65 | 1.15 | 1,632 | |
| 32-37 | Duvall Pond---------- | Trib. Saline River----- | Bunker Hill, Kans. | 1.77 | 1.41 | Dec. 1960 | -- | 104.86 | .855 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1970 | 9.6 | 103.17 | .846 | *75 | .12 | 204 | |
| 32-38 | Jansonius Pond---------- | Trib. of Wolf Creek---- | Prairie View,Kans. | 1.31 | 1.1 | Nov. 1954 | -- | 100 | 1.88 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1970 | 15.7 | 91 | 1.54 | *65 | .52 | 733 | |
| 32-39 | Jesse Pond---------- | Trib. Smoky Hill River- | Arnold, Kans.----- | .93 | .92 | Dec. 1944 | -- | 23.42 | .556 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1970 | 25.7 | 21.25 | .506 | *80 | .09 | 158 | |
| 32-40 | King Pond---------- | Trib. Mortimer Creek--- | Glasco, Kans.----- | 1.03 | .57 | Nov. 1960 | -- | 47.3 | .453 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1970 | 9.6 | 45.3 | .431 | *65 | .36 | 507 | |
| 32-41 | Kinsey Pond---------- | Trib. Buffalo Creek---- | Mankato, Kans.---- | .77 | .71 | Sept 1950 | -- | 91.9 | 1.279 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1970 | 19.8 | 88.4 | 1.194 | *65 | .25 | 348 | |
| 32-42 | Lee Pond---------- | Trib. Saline River----- | Tescott, Kans.---- | .85 | .82 | Apr. 1952 | -- | 152.4 | 1.868 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1970 | 18.2 | 146.3 | 1.784 | *55 | .41 | 492 | |
| 32-43 | Lindsley Pond---------- | Trib. Mill Creek------- | Morrowville, Kans. | .72 | .65 | Oct. 1960 | -- | 39.2 | .319 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1970 | 9.7 | 35.8 | .291 | *70 | .53 | 811 | |
| 32-44 | Lloyd Pond---------- | Trib. Republican river- | Scandia, Kans.---- | .65 | .64 | July 1932 | -- | 20.15 | .193 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1970 | 38 | 8.12 | .078 | *70 | .38 | 578 | |
| 32-45 | Lovell Pond---------- | Beaver Creek---------- | Franklin, Nebr.--- | 8.16 | 8.00 | July 1951 | -- | 128.72 | .257 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1970 | 19 | 55.18 | .220 | *65 | .78 | 1,160 | |
| 32-46 | Mollenkamp Pond---------- | Trib. Saline River- --- | Collyer, Kans.---- | 6.15 | 6.13 | Apr. 1961 | -- | 30.6 | .366 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1970 | 9.3 | 29.4 | .324 | *65 | .2 | 277 | |
| 32-47 | North Pond---------- | Trib. Smoky Hill River- | McCracken, Kans.-- | 2.43 | .91 | Mar. 1955 | -- | 96.83 | .851 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1970 | 15.3 | 91.55 | .514 | *65 | .38 | 537 | |
| 32-48 | Raleigh Pond---------- | Trib. Salt Creek------- | Agenda, Kans.----- | .9 | .8 | Mar. 1964 | -- | 81.5 | .853 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1970 | 6.3 | 79.4 | .635 | *60 | .42 | 544 | |
| 32-49 | Sanger Pond---------- | Trib. S. F. Solomon R.- | Morland, Kans.---- | 2.53 | 2.32 | Mar. 1954 | -- | 332.2 | 3.519 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1970 | 16.4 | 307.5 | 3.271 | *65 | .65 | 917 | |
| 32-50 | Skucius Pond---------- | Trib. Rose Creek------- | Munden, Kans.----- | 1.61 | 1.61 | July 1954 | -- | 12.896 | .058 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1970 | 16 | 6.8 | .03 | *70 | .24 | 361 | |
| 32-51 | Schurle Pond---------- | Trib. Mall Creek------- | Green, Kans.------- | .73 | .67 | Nov. 1960 | -- | 127.1 | 1.088 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1970 | 9.6 | 123.3 | 1.053 | *60 | .59 | 767 | |
| 32-52 | Walz Pond---------- | Trib. Saline River----- | Ogallah, Kans.---- | 3.93 | 3.8 | Aug. 1956 | -- | 69.32 | .389 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1970 | 12 | 63.64 | .357 | *60 | .12 | 162 | |
| 32-53 | Woelhoff Pond---------- | Trib. Five Creek------- | Morganville, Kans. | .61 | .59 | June 1954 | -- | 23.05 | .331 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1970 | 16.1 | 24.52 | .278 | *65 | .48 | 680 | |
| 32-54 | Herington City Lake----- | Lyons Creek----------- | Herington, Kans.-- | 17.24 | 16.93 | May 1922 | -- | 2,180 | .68 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1966 | 44 | 1,455 | .45 | *70 | .96 | 1,463 | |
| | | | | | UPPER REPUBLICAN, NORTH PLATTE, RIVER BASINS (FT. LARAMIE TO NORTH PLATTE) AND SOUTH PLATTE RIVER BASIN (SUBLETTE TO NORTH PLATTE) | | | | | | | | | |
| 33-1 | Wellfleet---------- | Medicine Creek--------- | Wellfleet, Nebr.-- | 2/15 | 14.89 | Oct. 1931 | -- | 519 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1937 | 5.6 | 464 | -- | *65 | .66 | 934 | |
| 33-2 | Lockhart Farm Pond------ | Trib. of N. Platte R.-- | Gering, Nebr.------ | 3/2.564 | 2.558 | Aug. 1939 | -- | 15.64 | .229 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1952 | 12.9 | 8.83 | .129 | 57.3 | .206 | 257 | |
| 33-3a | Harry Strunk L. (Medicine Cr. Dam)--------- | Medicine Creek--------- | Cambridge, Nebr.-- | 656 | 653 | Aug. 1949 | -- | 92,817 | 1.691 | -- | -- | -- | BR |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1951 | 2.16 | 90,920 | 1.656 | 71.4 | 1.34 | 2,084 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1962 | 11.17 | 88,663 | 1.615 | 70.3 | .31 | 479 | |
| 33-4a | Flannagin Reservoir----- | Trib. Republican River- | Bartley, Nebr.---- | .5 | .497 | -- 1940 | -- | 9.71 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1956 | 16 | 4.89 | -- | *70 | .602 | 918 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33-5a | Gallatin Reservoir------ | Trib. of Beaver Creek-- | Danberry, Nebr.--- | 3.44 | 3.09 | Apr. 1946 | -- | 419.5 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1956 | 10.4 | 381.6 | -- | *70 | 1.18 | 1,800 | |
| 33-6 | Klein Reservoir--------- | Trib. Republican River- | McCook, Nebr.----- | 1.59 | 1.57 | -- 1936 | -- | 106.2 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1956 | 20 | 56 | -- | *70 | 1.58 | 2,409 | |
| 33-7 | Dempcy Pond------------ | Trib. of E. Curtis Cr.- | Moorefield, Nebr.- | *.516 | .51 | June 1949 | -- | 11 | -- | -- | -- | -- | ARS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1953 | 4 | 10.1 | -- | -- | .447 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1958 | 4.9 | 9.12 | -- | 75.6 | .392 | 645 | |
| 33-8a | Reichelt Stock Pond----- | Unnamed---------- | Julesburg, Colo.-- | .72 | .71 | Oct. 1950 | -- | 22.12 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1957 | 7 | 20.69 | -- | 80.4 | .26 | 490 | |
| 33-9 | Dozbaba Pond----------- | Trib. Beaver Creek----- | Atwood, Kans.----- | 1.41 | 1.4 | Nov. 1948 | -- | 16.19 | .968 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1970 | 21.8 | 9.74 | .541 | *70 | .28 | 422 | |
| 33-10 | Frickey Pond----------- | Trib. Sappa Creek------ | Norcatur, Kans.--- | 3.32 | 3.28 | Dec. 1958 | -- | 72.48 | .683 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1970 | 11.6 | 63.17 | .596 | *60 | .24 | 320 | |
| 33-11 | Walker Pond------------ | Trib. Beaver Creek----- | Atwood, Kans.----- | 4.78 | 4.77 | Oct. 1948 | -- | 20.96 | .329 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1970 | 21.8 | 13.82 | .215 | *70 | .07 | 105 | |
| 33-12 | Stroud Pond------------ | Trib. Jones Canyon Cr.- | McDonald, Kans.--- | .83 | .82 | Nov. 1958 | -- | 111.25 | 10.053 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1970 | 11.7 | 102.01 | 9.274 | *70 | .96 | 1,467 | |
| 33-13a | Franktown-Parker W-1 Wshd | Willow Creek----------- | Castle Rock, Colo. | 7.6 | 7.57 | June 1963 | -- | 387 | 1.2 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1967 | 4.6 | 337.4 | 1.04 | -- | 1.42 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1973 | 6.9 | 308.3 | 1. | -- | .56 | -- | |
| 33-14 | Bondegard Stock Pond---- | Sedgewick Draw--------- | Lodgepole, Nebr.-- | 1.5 | 1.5 | -- 1952 | -- | 27.68 | 1.2 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1967 | 15 | 23.88 | 1.04 | *75 | .17 | 277 | |
| 33-15 | Albert Sauvage Stock Dam | Sappa Creek------------ | Oberlin, Kans.----- | .83 | .83 | Jan. 1962 | -- | 4/21.5 | 1.94 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1972 | 10.6 | 16.2 | 1.46 | *70 | .6 | 918 | |
| 33-16 | Charley Deyle Stock Dam- | Big Timber Creek------- | Benkleman, Kans.-- | .74 | .74 | Sept 1958 | -- | 4/5.73 | .58 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1972 | 13.9 | 3.53 | .36 | *70 | .21 | 326 | |
| 33-17 | Earl Brown Stock Dam---- | Beaver Creek----------- | Atwood, Kans.----- | .99 | .99 | Apr. 1961 | -- | 4/15.19 | 1.15 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1972 | 11.3 | 12.59 | .95 | *70 | .23 | 354 | |
| 33-18 | Frank Ruda Stock Dam---- | Sappa Creek------------ | -----do---------- | 1.28 | 1.28 | Jan. 1962 | -- | 4/12.7 | .74 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1972 | 10.6 | 10.6 | .62 | *70 | .15 | 236 | |
| 33-19 | Glendo----------------- | North Platte----------- | Glendo, Wy.-------- | 19,504 4,190 | | Oct. 1957 | -- | 797,018 | .69 | -- | -- | -- | BR |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1972 | 14.54 | 789,402 | .68 | *70 | .13 | 198 | |
| 33-20 | Howard Brothers Stock D. | Driftwood Creek-------- | McDonald, Kans.--- | 2.89 | 2.89 | Aug. 1959 | -- | 4/26.58 | .69 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1972 | 12.9 | 14.18 | .37 | *70 | .33 | 507 | |
| 33-21 | Raymond Solko Wshd. Dam- | North Beaver----------- | Atwood, Kans.----- | 1.24 | 1.24 | Dec. 1962 | -- | 4/6.33 | .38 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1972 | 9.6 | 2.93 | .18 | *70 | .29 | 436 | |
| 33-22 | Scott Brown Dam--------- | Sappa Creek------------ | Rexford, Kans.----- | 1.98 | 1.98 | Dec. 1960 | -- | 4/9.63 | .37 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1972 | 11.6 | .9 | .03 | *70 | .38 | 560 | |
| 33-23 | W-6 Wray Watershed------ | Unnamed---------- | Wray, Colo.-------- | 1.7 | 1.67 | May 1959 | -- | 204.3 | 5.6 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1971 | 11.8 | 196.6 | 5.4 | -- | .39 | -- | |

NORTH PLATTE RIVER BASIN (ABOVE FT. LARAMIE) SOUTH PLATTE RIVER BASIN (ABOVE SUBLETTE)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34-1 | Castlewood------------- | Cherry Creek----------- | Denver, Colo.----- | 167.2 | 166.9 | -- 1890 | -- | 3,834 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | 5/Aug. 1933 | 43 | 3,126 | -- | 77.5 | .099 | 167 | |
| 34-2 | Kenwood---------------- | -----do---------- | -----do---------- | 387 | 386 | Mar. 1936 | -- | 9,602 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1936 | 2.25 | 9,710 | -- | 75.6 | .106 | 175 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1939 | 1 | 8,424 | -- | -- | .741 | 1,226 | |
| 34-3a | Guernsey Reservoir------ | North Platte River----- | Guernsey, Wy.----- | 15,004 | 375 | Feb. 1928 | -- | 72,810 | -- | -- | -- | -- | BR |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1931 | 3.83 | 67,840 | -- | -- | .28 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1933 | 2 | 65,050 | -- | -- | .26 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1935 | 2 | 62,940 | -- | -- | .2 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1937 | 2.1 | 60,930 | -- | -- | .18 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1939 | 2 | 58,430 | -- | -- | .23 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1941 | 2 | 56,600 | -- | -- | .17 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1944 | 3 | 53,180 | -- | -- | .21 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1947 | 3.5 | 49,150 | -- | -- | .21 | 243 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1957 | 9.92 | 44,600 | -- | 60.7 | .103 | 107 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1966 | 9.4 | 6/45,228 | .0467 | 54 | -- | -- | |
| 34-4a | Lake Cheesman---------- | South Platte R. and Goose or Lost Park Cr. | Deckers, Colo.---- | 1,766 | 1,460 | Oct. 1900 | -- | 79,064 | .595 | -- | -- | -- | BR |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1931 | 31 | 77,958 | .586 | *70 | .025 | 37 | |
| 34-5 | Pathfinder------------- | North Platte River----- | Alcova, Wy.-------- | 10,700 7/3,315 | | June 1909 | -- | 1,056,300 | -- | -- | -- | -- | BR |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1950 | 41.1 | 1,015,876 | -- | 81.1 | 8/.078 | 9/138 | |
| 34-6 | Seminoe---------------- | -----do---------- | Leo, Wy.---------- | 7,348 | 7,317 | -- 1939 | -- | 1,020,000 | 1.158 | -- | -- | -- | BR |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | 11.5 | 1,012,000 | 1.149 | *65 | 10/.108 | 10/153 | |
| 34-7 | Englewood-------------- | Little Dry Creek------- | Littleton, Colo.-- | 9.4 | 9.25 | -- 1936 | -- | 1,282.3 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1956 | 19.5 | 1,215.2 | -- | -- | .37 | -- | |
| 34-8a | R-3 Kiowa Creek Wshd.--- | Kiowa Creek------------ | Elbert, Colo.----- | 2.92 | 2.89 | July 1956 | -- | 147.59 | *.27 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1966 | 10 | 138.22 | *.25 | *80 | .32 | 557 | |
| 34-9 | Round Butte------------ | Coal Creek------------ | Wellington, Colo.- | 11.7 | 11.6 | -- 1905 | -- | 831 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1965 | 60 | 785 | -- | 69 | .07 | 105 | |
| 34-10a | Q-51 Kiowa Creek Wshd.-- | Kiowa Creek------------ | Elbert, Colo.----- | .56 | .56 | June 1957 | -- | 32.3 | *.31 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1966 | 9 | 30.17 | *.29 | *80 | .43 | 749 | |
| 34-11 | J-33 Kiowa Creek Wshd.-- | -----do---------- | Eastonville, Colo. | 1.07 | 1.06 | July 1956 | -- | 42.55 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1965 | 9 | 42.05 | -- | *80 | .05 | 87 | |
| 34-12 | B-9 Kiowa Creek Wshd.--- | -----do---------- | Elbert, Colo.----- | .65 | .64 | Dec. 1955 | -- | 49.36 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1965 | 9.5 | 48.81 | -- | *80 | .09 | 157 | |
| 34-13 | Slab Canyon CCC--------- | Slab Canyon------------ | Wellington, Colo.- | 3.15 | 3.08 | July 1937 | -- | 311.4 | *1.85 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1968 | 30 | 288.3 | *1.72 | -- | .25 | -- | |

1/ Water supply pool capacity. Reservoir has greater capacity at spillway crest elevation.
2/ Excludes 28 sq. mi. of noncontributing drainage.
3/ Drainage area includes partial sediment trap for 0.133 sq. mi. and is estimated to retain 0.04 ac.-ft. of sediment per year.
4/ Conservation Pool.
5/ Dam failed in 1933; survey made in 1939.
6/ Gain in capacity due to sediments slucied from dam.
7/ Excludes 7,348 sq. mi. above Seminoe Dam, which was closed in April 1939.
8/ For period April 1939 - July 1950.
9/ For period June 1909 - July 1950.
10/ Below elevation 6,340 which is 17 ft. below spillway crest.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NORTH PLATTE RIVER BASIN (ABOVE FT. LARAMIE) SOUTH PLATTE RIVER BASIN (ABOVE SUBLETTE) (Continued) | | | | | | | | | | | | | |
| 34-14 | Coalbank Cr. Wshd. CB-1- | Coalbank Creek--------- | Pierce, Colo.------ | 27 | 26.8 | June 1962 | -- | 2,147.4 | 3.7 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1971 | 9 | 2,134.9 | 3.7 | -- | .05 | -- | |
| MISSOURI RIVER BASIN (ABOVE BLAIR TO NEBRASKA CITY) PLATTE RIVER BASIN (BELOW NORTH PLATTE) | | | | | | | | | | | | | |
| 35-1 | Otto Baak---------- | Trib. Soldier River---- | Ricketts, Iowa---- | .159 | .157 | Sept 1944 | -- | 1/6.91 | *.177 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1949 | 4.6 | 2.28 | *.058 | 54.9 | 6.41 | 7,670 | |
| 35-2 | Fred Brown---------- | Trib. of Willow River-- | Logan, Iowa------- | .1 | .097 | June 1941 | -- | 1/11.89 | *.594 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1949 | 7.9 | 4.61 | *.23 | 60.2 | 9.51 | 13,080 | |
| 35-3 | William Esbeck---------- | Trib. Elkhorn Creek---- | Elkhorn, Iowa----- | .208 | .204 | May 1940 | -- | 1/12.5 | *.238 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1949 | 9 | 4.51 | *.287 | 56.2 | 4.41 | 6,060 | |
| 35-4 | G. & A. Evers Lower Res. | Trib. of Boyer River--- | Denison, Iowa----- | .167 | .139 | Dec. 1948 | -- | 1/3.33 | *.333 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1949 | 10.0 | 1.26 | *.026 | 60.6 | 3.78 | 5,760 | |
| 35-5 | G. & A. Evers Upper Res. | -----do---------- | -----do---------- | .045 | .044 | Mar. 1939 | -- | 1/1.9 | *.158 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1949 | 10.1 | .22 | *.018 | 71.4 | 3.77 | 5,870 | |
| 35-6 | Charles Fienhold-------- | -----do---------- | Dunlap, Iowa------ | .428 | .425 | May 1945 | -- | 1/12.63 | *.123 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1949 | 3.9 | 2.9 | *.028 | 63.1 | 5.87 | 8,070 | |
| 35-7a | C. T. Gaad---------- | Trib. E. Nishnabotna R. | Stennett, Iowa---- | .081 | .079 | Dec. 1940 | -- | 14.48 | *.762 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1949 | 8.4 | 12.82 | *.675 | 63.9 | 2.51 | 3,492 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1952 | 3.1 | 11.98 | *.631 | 57.9 | 3.43 | 4,350 | |
| 35-8 | Otto Goslar---------- | Trib. Middle Soldier R. | Charter Oak, Iowa- | .089 | .086 | May 1940 | -- | 1/10.18 | *.485 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1949 | 8.8 | 6.29 | *.395 | 68.8 | 2.5 | 3,750 | |
| 35-9 | Thomas Hodkin---------- | Trib. of Boyer River--- | Dow City, Iowa---- | .13 | .127 | Aug. 1941 | -- | 1/19.39 | *.588 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1949 | 2/2.8 | .21 | *.006 | 83.2 | 53.9 | 97,740 | |
| 35-10 | Fred Hollrah---------- | Trib. of Willow Creek-- | Ute, Iowa--------- | .217 | .212 | Aug. 1944 | -- | 1/18.98 | *.365 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1949 | 4.6 | 12.76 | *.245 | 58.3 | 6.35 | 8,060 | |
| 35-11b | Jones Creek---------- | Jones Creek---------- | Pisgah, Iowa------ | 2.26 | 2.23 | Feb. 1942 | -- | 254.2 | *.527 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1949 | 6.9 | 221.8 | *.46 | 47.8 | 2.11 | 2,197 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | 1.7 | 211.5 | *.439 | *61.8 | 2.68 | 3,620 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1953 | 2.3 | 199.2 | *.413 | 61.8 | 2.4 | 3,230 | |
| 35-12a | Emma La Frontz---------- | Trib. of Boyer River--- | Denison, Iowa----- | .155 | .152 | May 1942 | -- | 15.28 | *.577 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1949 | 6.9 | 10.38 | *.392 | 56.7 | 4.67 | 5,767 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1953 | 4.2 | 9.47 | *.357 | 62 | 1.41 | 1,904 | |
| 35-13 | Jenson-O'Neil Farm Pond- | Trib. L. Nemaha River-- | Syracuse, Nebr.--- | .199 | .193 | Nov. 1936 | -- | 23.7 | *.658 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1948 | 12 | 16.8 | *.467 | 56.9 | 2.97 | 3,660 | |
| 35-14 | Peterson Farm Pond------ | -----do---------- | -----do---------- | .075 | .074 | Oct. 1936 | -- | 2.06 | *.158 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1948 | 11.75 | .16 | *.012 | 59.7 | 2.19 | 2,850 | |
| 35-15b | Alfred Lage---------- | Trib. of Elk Creek----- | Aspinwall, Iowa--- | .184 | .182 | June 1941 | -- | 11.23 | *.229 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1949 | 7.8 | 8.56 | *.175 | 53.2 | 1.88 | 2,180 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1952 | 3.2 | 7.14 | *.146 | 51.9 | 2.42 | 2,735 | |
| 35-16a | Herman Lage---------- | -----do---------- | -----do---------- | .038 | .036 | July 1941 | -- | 12.07 | *1.207 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1949 | 7.8 | 10.83 | *1.083 | 54.8 | 4.417 | 5,270 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1952 | 3.2 | 8.98 | *.898 | 49.5 | 16.1 | 17,358 | |
| 35-17a | Howard Mattson---------- | Trib. of Boyer River--- | Denison, Iowa----- | .1 | .098 | July 1944 | -- | 16.44 | *.961 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1949 | 4.8 | 12.56 | *.735 | 69.1 | 8.26 | 12,431 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1953 | 4.3 | 5.71 | *.334 | 87.1 | 16.5 | 30,300 | |
| 35-18a | Wilbur Meyer---------- | -----do---------- | -----do---------- | .297 | .293 | Nov. 1944 | -- | 43.8 | *.676 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1949 | 4.4 | 37.38 | *.491 | 56.3 | 5.02 | 6,160 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1952 | 3.2 | 34.63 | *.456 | 56.1 | 2.56 | 3,520 | |
| 35-19a | Max Miller No. 1-------- | Trib. W. Nishnabotna R. | Macedonia, Iowa--- | .223 | .216 | Nov. 1941 | -- | 43.84 | *.677 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1949 | 7.5 | 35.46 | *.709 | 65.2 | 5.12 | 7,280 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1952 | 3.1 | 32.1 | *.642 | 69.7 | 4.95 | 7,520 | |
| 35-20b | Max Miller No. 5-------- | -----do---------- | -----do---------- | .233 | .228 | Nov. 1941 | -- | 53.19 | *1.023 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1949 | 7.5 | 41.94 | *.807 | 72.6 | 6.58 | 10,405 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1952 | 3.1 | 41.06 | *.79 | 74.5 | 1.23 | 1,996 | |
| 35-21a | Barney Mundt---------- | Trib. of Boyer River--- | Denison, Iowa----- | .336 | .33 | Oct. 1944 | -- | 41.35 | *.481 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1949 | 4.5 | 33.08 | *.385 | 54.8 | 3/5.66 | 3/6,750 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1952 | 3.2 | 29.22 | *.34 | 55.5 | 3/3.67 | 3/4,440 | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35-22a | Tracy North | -----do | Vail, Iowa | .245 | .238 | Nov. 1939 | -- | 48.64 | *1.161 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Mar. 1949 | 9.4 | 40.04 | *.956 | 52.7 | 3.84 | 4,410 | |
| | -----do | -----do | -----do | -- | -- | July 1953 | 4.3 | 37.41 | *.893 | 55.7 | 2.57 | 3,120 | |
| 35-23 | Lake Ericson | Cedar River | Ericson, Nebr. | 4/500 | 41 | May 1915 | -- | 1,652 | -- | -- | -- | -- | BR |
| | -----do | -----do | -----do | -- | -- | Apr. 1948 | 32.9 | 1,066 | -- | 80 | .434 | 756 | |
| 35-24a | Roe Farm Pond | Trib. Turkey Creek | Dannebrog, Nebr. | .18 | .18 | July 1947 | -- | *1 | *.104 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Aug. 1953 | 5 | *.643 | *.067 | *65 | .39 | 552 | |
| 35-25 | Howe Farm Pond | Trib. Dead Horse Creek | Loup City, Nebr. | 1.8 | 1.79 | Aug. 1946 | -- | 15.6 | *.160 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Aug. 1953 | 5 | 13.9 | *.145 | *65 | .2 | 285 | |
| 35-26 | Moller Farm Pond | Trib. of Oak Creek | Farwell, Nebr. | .356 | .354 | Aug. 1940 | -- | 15.4 | *.811 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Aug. 1953 | 4 | 14.39 | *.757 | *65 | .71 | 1,005 | |
| 35-27 | Ruzicka Farm Pond | -----do | -----do | .27 | .26 | Aug. 1949 | -- | 30.74 | *2.135 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Aug. 1953 | 4 | 28.03 | *1.947 | *65 | 2.62 | 3,709 | |
| 35-28 | Brehmer Reservoir | Trib. L. Nemaha River | Dunbar, Nebr. | .184 | .18 | -- | 1952 | -- | 11.78 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 5 | 9.93 | -- | *65 | 2.01 | 2,846 | |
| 35-29 | Cook Reservoir | Trib. of Papillion Cr. | Arlington, Nebr. | .391 | .383 | -- | 1934 | -- | 29.4 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 23 | 21.1 | -- | *65 | .921 | 1,304 | |
| 35-30a | Ingwerson Reservoir No.1 | Turkey Creek | Louisville, Nebr. | .211 | .209 | -- | 1952 | -- | 12.17 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 5 | 10.19 | -- | *65 | 1.89 | 2,676 | |
| 35-31 | Ingwerson Reservoir No.2 | -----do | -----do | .074 | .073 | -- | 1952 | -- | .72 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 5 | .19 | -- | *65 | 1.43 | 2,024 | |
| 35-32 | Ingwerson Reservoir No.3 | -----do | -----do | .335 | .331 | -- | 1954 | -- | 18.73 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 3 | 17.01 | -- | *65 | 1.71 | 2,421 | |
| 35-33 | Kruse Reservoir | Papillion Creek | Elkhorn, Nebr. | .8 | .779 | -- | 1936 | -- | 61.5 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 21 | 11.2 | -- | *65 | 2.99 | 4,233 | |
| 35-34 | Lugn Reservoir | Unnamed | Douglas, Nebr. | .263 | .257 | -- | 1946 | -- | 12.8 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 11 | 4.33 | -- | *65 | 2.93 | 4,148 | |
| 35-35 | Niebuer Reservoir | Trib. L. Nemaha River | Dunbar, Nebr. | .163 | .158 | -- | 1949 | -- | 14.48 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 8 | 10.92 | -- | *65 | 2.72 | 3,851 | |
| 35-36 | O'Brien Reservoir | South Cedar Creek | Manley, Nebr. | .417 | .412 | -- | 1937 | -- | 22.09 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 20 | 7.28 | -- | *65 | 1.77 | 2,506 | |
| 35-37a | O'Neill Reservoir | Trib. L. Nemaha River | Syracuse, Nebr. | .14 | .13 | -- | 1936 | -- | 35.69 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 21 | 23.98 | -- | *65 | 4.29 | 6,073 | |
| 35-38 | Pickrell Reservoir No. 1 | Russell Creek | Unadilla, Nebr. | .336 | .326 | -- | 1949 | -- | 35.76 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 8 | 32.35 | -- | *65 | 1.27 | 1,798 | |
| 35-39 | Pickrell Reservoir No. 2 | -----do | -----do | .102 | .1 | -- | 1954 | -- | 3.18 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 5 | 2.96 | -- | *65 | .725 | 1,026 | |
| 35-40 | Pickrell Reservoir No. 3 | -----do | -----do | .088 | .086 | -- | 1939 | -- | 5.04 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 18 | 1.4 | -- | *65 | 2.31 | 3,270 | |
| 35-41 | Pickrell Reservoir No. 4 | -----do | -----do | .114 | .113 | -- | 1954 | -- | 2.3 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 23 | 1.6 | -- | *65 | .272 | 385 | |
| 35-42 | Pollard Reservoir | Weeping Water Creek | Nehawka, Nebr. | .1 | .098 | -- | 1936 | -- | 7.63 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 21 | 4.38 | -- | *65 | 1.55 | 2,194 | |
| 35-43 | Ross Farm Reservoir | N. Fork Little Fox R. | Otoe, Nebr. | .077 | .074 | -- | 1948 | -- | 3.12 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 9 | 6.71 | -- | *65 | 2.04 | 2,868 | |
| 35-44 | Rowher Reservoir | Long Creek | Fort Calhoun, Nebr. | .3 | .298 | -- | 1949 | -- | 12.7 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | -- | 1957 | 8 | 4.12 | -- | *65 | 3.57 | 5,054 | |
| 35-45b | Mule Creek "A" | Trib. Nishnabotna River | Malvern, Iowa | .188 | .177 | July 1954 | -- | 43.9 | *1.109 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Oct. 1956 | 2.33 | 42 | *1.061 | 73.4 | 4.63 | 7,400 | |
| | -----do | -----do | -----do | -- | -- | Sept 1957 | .92 | 40.2 | *1.015 | 73.4 | 11.4 | 18,200 | |
| | -----do | -----do | -----do | -- | -- | Oct. 1958 | 1.08 | 39.6 | *1 | 72.3 | 3.11 | 4,900 | |
| | -----do | -----do | -----do | -- | -- | Jan. 1960 | 1.33 | 38.9 | *.982 | 58.7 | 2.99 | 3,800 | |
| | -----do | -----do | -----do | -- | -- | Dec. 1960 | .92 | 36.5 | *.922 | 60.3 | 14.5 | 19,000 | |
| | -----do | -----do | -----do | -- | -- | Feb. 1962 | 5/1 | 36 | *.909 | 6/60.3 | 2.99 | 3,940 | |
| | -----do | -----do | -----do | -- | -- | Jan. 1963 | .92 | 34.7 | *.876 | 68.5 | 7.85 | 11,880 | |
| | -----do | -----do | -----do | -- | -- | Jan. 1964 | 1 | 7/35.54 | *.897 | 6/60.3 | 8/-4.66 | -- | |
| | -----do | -----do | -----do | -- | -- | Jan. 1965 | 1 | 34.45 | *.87 | 6/60.3 | 8/2 | 5,140 | |
| | -----do | -----do | -----do | -- | -- | Jan. 1966 | 1 | 31.97 | *.807 | 6/60.3 | 10.99 | 16,500 | |
| | -----do | -----do | -----do | -- | -- | Jan. 1967 | 1 | 32.81 | .829 | 6/60.3 | 8/-2.32 | -- | |
| | -----do | -----do | -----do | -- | -- | Jan. 1968 | 1 | 30.98 | .76 | 6/60.3 | 10.91 | 14,028 | |
| | -----do | -----do | -----do | -- | -- | Mar. 1969 | 1.17 | 31.37 | .792 | 6/75.5 | 8/-2.372 | -- | |
| 35-46b | Mule Creek "B" | -----do | -----do | .383 | .368 | Aug. 1954 | -- | 55.3 | *.684 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Oct. 1956 | 2.17 | 52.6 | *.651 | 72.6 | 3.31 | 5,200 | |
| | -----do | -----do | -----do | -- | -- | Sept 1957 | .92 | 51.8 | *.641 | 69.5 | 2.55 | 3,900 | |
| | -----do | -----do | -----do | -- | -- | Oct. 1958 | 1.08 | 50.3 | *.623 | 59.2 | 3.64 | 4,700 | |
| | -----do | -----do | -----do | -- | -- | Jan. 1960 | 1.33 | 47.6 | *.589 | 67.2 | 5.52 | 8,100 | |
| | -----do | -----do | -----do | -- | -- | Dec. 1960 | .92 | 47.1 | *.583 | 55.3 | 1.55 | 1,900 | |
| | -----do | -----do | -----do | -- | -- | Feb. 1962 | 5/1.08 | 45.1 | *.558 | 6/55.3 | 5.11 | 6,150 | |
| | -----do | -----do | -----do | -- | -- | Jan. 1963 | .92 | 43.5 | *.538 | 62.1 | 4.73 | 6,400 | |
| | -----do | -----do | -----do | -- | -- | Jan. 1964 | 1 | 44.6 | *.552 | 51.8 | 8/-2.88 | -- | |
| | -----do | -----do | -----do | -- | -- | Jan. 1965 | 1 | 42.7 | *.528 | 51.8 | 4.52 | 5,550 | |
| | -----do | -----do | -----do | -- | -- | Jan. 1966 | 1 | 36.5 | *.452 | 51.8 | 10.31 | 13,080 | |
| | -----do | -----do | -----do | -- | -- | Aug. 1966 | .58 | 33.89 | .494 | 51.8 | 8/-15.704 | -- | |
| | -----do | -----do | -----do | -- | -- | June 1969 | 2.75 | 40.059 | .5 | 9/71.64 | 8/-.298 | -- | |

1/ Water Supply pool. Reservoir has greater capacity at Spillway crest elevation.
2/ Reservoir silted full June 1944.
3/ Includes 0.13 ac.-ft. of sediment above emergency spillway.
4/ Area assumed to contribute surface runoff is 41 sq. mi.
5/ Adjusted to correct previous year's error.
6/ Based on December 1960 sample.
7/ Pond dry when surveyed.
8/ Minus (-) indicates scour or compaction (treated as negative sediment).
9/ Weight determined by gamma probe.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | MISSOURI RIVER BASIN (ABOVE BLAIR TO NEBRASKA CITY) PLATTE RIVER BASIN (BELOW NORTH PLATTE) (Continued) | | | | | | | | | |
| 35-47b | Mule Creek "C"---------- | Trib. Nishnabotna River | Malvern, Iowa----- | 1/.916 | .323 | July 1954 | -- | 76.2 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1956 | 2.33 | 78.8 | -- | 58.0 | 3.28 | 3,900 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1957 | .92 | 69.1 | -- | 88.1 | 15.5 | 22,300 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1958 | 1.08 | 67.6 | -- | 59.6 | 3.9 | 5,100 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1960 | 1.33 | 66.9 | -- | 61.0 | 1.96 | 2,700 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1960 | .92 | 64.9 | -- | 55.2 | 6.69 | 8,000 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1962 | 2/1 | 64.1 | -- | 3/55.2 | 2.6 | 3,120 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1963 | .92 | 61.6 | -- | 58 | 8.42 | 10,840 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1964 | 1 | 63.59 | -- | 57.8 | 4/-6.19 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1965 | 1 | 59.88 | -- | 65.44 | 11.49 | 1,046 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1969 | 4.17 | 57.58 | -- | 3/65.44 | 1.71 | 112 | |
| 35-48b | Mule Creek "P"---------- | Trib. of Mule Creek---- | -----do---------- | .063 | .06 | Oct. 1955 | -- | 19.4 | *1.47 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1956 | 1.08 | 18.6 | *1.409 | 77.2 | 13.3 | 22,400 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1957 | .83 | 17.7 | *1.341 | 57.6 | 17.9 | 22,500 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1958 | 1 | 17.6 | *1.333 | 72.8 | 1.5 | 2,400 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1960 | 1.33 | 17.1 | *1.295 | 44.5 | 5.83 | 5,600 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1960 | .92 | 16.3 | *1.235 | 56.5 | 15.3 | 16,900 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1962 | 1.17 | 16.1 | *1.22 | 3/56.5 | 2.67 | 3,300 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1963 | .92 | 15.4 | *1.167 | 60.3 | 12.17 | 16,000 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1964 | 1 | -- | -- | 56 | 0 | 0 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1965 | 1 | 14.7 | *1.114 | 54.3 | 11.43 | 13,500 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1966 | 1 | 13.7 | *1.038 | 54.3 | 17.32 | 20,500 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1967 | 1 | 14.361 | 1.088 | 54.3 | 4/-7.767 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1968 | 1 | 13.793 | 1.045 | 54.3 | 9.467 | 11,196 | |
| 35-49c | Mule Creek "R"---------- | -----do---------- | -----do---------- | .819 | .796 | Oct. 1955 | -- | 103.422 | .596 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1967 | 11.25 | 79.87 | .462 | 49.0 | 2.65 | 2,858 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1968 | 1 | 74.77 | .432 | 49.0 | 6.41 | 6,900 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1969 | 1.08 | 73.96 | .427 | 5/60.22 | 1.06 | 1,126 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1974 | 4.92 | 72.26 | .416 | 60.29 | .4 | 582 | |
| 35-50 | Niles Wallace Pond------ | Platte----------- | Cozad, Nebr.------ | .81 | .81 | -- | 1939 | -- | 5/1.61 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1964 | 25 | .72 | -- | 104 | .05 | 113 | |
| 35-51 | Gayle Miller Pond------- | -----do---------- | -----do---------- | .94 | .94 | -- | 1948 | -- | 16.18 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1964 | 16 | 13.06 | -- | 70 | .21 | 320 | |
| 35-52 | Kenneth Smith Pond------ | -----do---------- | -----do---------- | .49 | .49 | -- | 1940 | -- | 5.97 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1964 | 24 | 4.99 | -- | 95 | .08 | 166 | |
| 35-53 | Wayne Bartleff Pond----- | -----do---------- | -----do---------- | 1.13 | 1.13 | -- | 1940 | -- | 15.7 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1964 | 24 | 12.7 | -- | 95 | .11 | 228 | |
| 35-54 | Oak-Middle Cr. Wshd. Site 67-A | North Platte----------- | Dwight, Nebr.----- | .89 | .89 | Jan. 1958 | -- | 175.7 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1964 | 7 | 140.8 | -- | 66 | 5.61 | 8,964 | |
| | | | | MISSOURI RIVER BASIN (NIOBRARA TO ABOVE BLAIR) JAMES AND BIG SIOUX RIVER BASINS | | | | | | | | | |
| 36-1 | Split Rock-------------- | Trib. Big Sioux River-- | Ihlen, Minn.------- | 41.3 | 41.1 | July 1958 | -- | 839 | *.214 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1968 | 10.0 | 832.1 | *.242 | 48.0 | .402 | 401 | |
| 36-2a | C. A. Stiles------------ | Unnamed----------- | Washta, Iowa------ | .533 | .528 | Dec. 1938 | -- | 78 | *.304 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1949 | 8.8 | 70.7 | *.247 | 46.9 | 1.54 | 1,580 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | 1.5 | 69.1 | *.335 | *57.8 | 1.82 | 2,300 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1953 | 2.4 | 67.7 | *.326 | 57.8 | .98 | 1,240 | |
| 36-3 | Farmers' Ditch Old Desilting Basin | Farmers' Ditch---------- | Bronson, Iowa----- | 22.9 | 21.4 | Apr. 1941 | -- | 7/674 | *.178 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1945 | 3.8 | 275 | *.073 | 68.3 | 4.91 | 7,300 | |
| 36-4 | Strunk Farm Pond-------- | Trib. of Clay Creek---- | Mayfield, S. D.---- | .408 | .407 | July 1947 | -- | 4.09 | *.157 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1953 | 6 | 3.37 | *.129 | *65 | .3 | 411 | |
| 36-5 | Broderson Farm Pond----- | -----do---------- | Volin, S. D.------- | 2.46 | 2.45 | July 1951 | -- | 25.19 | *.16 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1953 | 2 | 20.1 | *.128 | *55 | 1.04 | 1,246 | |
| 36-6 | Masters Upper Reservoir- | Unnamed----------- | Mapleton, Iowa---- | .178 | .169 | Dec. 1949 | -- | 37.95 | *.949 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | .79 | 8/38.2 | *.955 | -- | -- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1951 | .87 | 35.25 | *.881 | *77.7 | 20.1 | 34,015 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1952 | .73 | 34.8 | *.87 | *77.7 | 3.67 | 6,211 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1952 | .60 | 34.8 | *.87 | 77.7 | -- | -- | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36-7 | Nepper Main | -do- | -do- | .196 | .186 | Mar. 1949 | -- | 38.1 | *.866 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1950 | 1.37 | 37.8 | *.859 | *76.1 | 1.25 | 2,070 | |
| | -do- | -do- | -do- | -- | -- | July 1951 | 1.01 | 34.4 | *.782 | *76.1 | 17.96 | 29,768 | |
| | -do- | -do- | -do- | -- | -- | Nov. 1952 | 1.31 | 34.4 | *.782 | 76.1 | -- | -- | |
| 36-8 | Nepper Southwest | -do- | -do- | .075 | .069 | Mar. 1949 | -- | 8.45 | *.497 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1950 | 1.42 | 8.45 | *.497 | *72.7 | 0 | 0 | |
| | -do- | -do- | -do- | -- | -- | Aug. 1951 | .98 | 7.88 | *.464 | *72.7 | 8.41 | 13,319 | |
| | -do- | -do- | -do- | -- | -- | Nov. 1952 | 1.3 | 7.88 | *.464 | 72.7 | 0 | 0 | |
| 36-9 | Theobold Main | -do- | Anthon, Iowa | .483 | .442 | June 1949 | -- | 103.2 | *1.053 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1950 | 1.15 | 94 | *.959 | *72.3 | 18.1 | 28,502 | |
| | -do- | -do- | -do- | -- | -- | May 1951 | .77 | 93.5 | *.954 | *72.3 | 1.36 | 2,142 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1952 | 1.38 | 89.2 | *.91 | 72.3 | 7.13 | 11,228 | |
| 36-10 | Theobold Lateral C. | -do- | -do- | .25 | .234 | Nov. 1948 | -- | 37.5 | *.735 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1950 | 1.7 | 34.5 | *.676 | *67.9 | 7.65 | 11,313 | |
| | -do- | -do- | -do- | -- | -- | May 1951 | .83 | 34.3 | *.673 | *67.9 | 1.08 | 1,597 | |
| | -do- | -do- | -do- | -- | -- | May 1952 | .94 | 33.5 | *.657 | 67.9 | 3.6 | 5,324 | |
| 36-11 | Theobold Lateral D. | -do- | -do- | .098 | .089 | Nov. 1948 | -- | 19.5 | *.975 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1950 | 1.71 | 18.9 | *.945 | *73.1 | 3.63 | 5,780 | |
| | -do- | -do- | -do- | -- | -- | May 1951 | .82 | 18.7 | *.935 | *73.1 | 2.86 | 4,560 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1952 | 1.42 | 18.6 | *.93 | 73.1 | .72 | 1,146 | |
| 36-12a | Mortenson | -do- | Cherokee, Iowa | 1.39 | 1.37 | Oct. 1950 | -- | 229 | *.718 | -- | -- | -- | SCS |
| 35-13 | Bartlett | Green Creek | Alcester, S. D. | .234 | .234 | Nov. 1938 | -- | 12.84 | 1.035 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Nov. 1955 | 19 | 6.86 | .553 | 77 | 1.35 | 2,264 | |
| 36-14b | Lake Mitchell | Firesteel Creek | Mitchell, S. D. | 584 | 496 | Oct. 1928 | -- | 10,943 | .49 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1948 | 19.8 | 10,380 | .47 | *46.79 | .057 | 58 | |
| | -do- | -do- | -do- | -- | -- | Aug. 1958 | 10 | 9,798 | .44 | *46.79 | .117 | 119 | |
| | -do- | -do- | -do- | -- | -- | July 1969 | 11 | 9,235 | .42 | 65.47 | .103 | 231 | |
| 36-15 | Salem Dam | Silver Creek | Sioux Falls, S. D. | 1.158 | 1.158 | Aug. 1950 | -- | 12.79 | .206 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1955 | 5 | 8.16 | .132 | *60 | .8 | 1,045 | |
| 36-16 | Scott No. 2 | Scott Creek | Alcester, S. D. | .152 | .152 | Oct. 1936 | -- | 7.36 | .909 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Apr. 1955 | 18.5 | 3.14 | .388 | 56.4 | 1.52 | 1,867 | |
| 36-17 | Lake Vermillion | Vermillion | Montrose, S. D. | 402.9 | 402 | Mar. 1959 | -- | 5,173.7 | .297 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June 1964 | 5.25 | 4,927.5 | .283 | 65 | .117 | 63 | |
| 36-18 | Vermillion Wshd. No. A- | Trib. of Vermillion | Salem, S. D. | .075 | .075 | Aug. 1955 | -- | 3.2 | 1 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Nov. 1965 | 10.5 | 2.67 | .834 | *50 | .68 | 740 | |
| 36-19 | Vermillion Wshd. No. B- | -do- | -do- | .237 | .237 | Oct. 1950 | -- | 6.48 | .629 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Nov. 1965 | 15 | 5.06 | .491 | *50 | .4 | 435 | |
| 36-20 | Lake Okabena | Trib. Okabena Creek | Worthington, Minn. | 17.4 | 16.27 | -- *1897 | -- | 5,163 | 2.234 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Mar. 1963 | 65 | 9/5,100 | 2.198 | 26 | .87 | 492 | |
| 36-21a | Scott Creek #11 | Scott Creek | Alcester, S. D. | 1.85 | 1.45 | Oct. 1954 | -- | 196.64 | 2.55 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Apr. 1965 | 10.5 | 192.7 | 2.5 | *65 | .26 | 368 | |
| | -do- | -do- | -do- | -- | -- | May 1970 | 5.1 | 179.75 | 2.33 | -- | 1.785 | 2,527 | |
| 36-22 | Richmond Lake | Foot Creek | Aberdeen, S. D. | 82 | 73.5 | Jan. 1937 | -- | 9,880.9 | 7.53 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1969 | 32.75 | 8,971.08 | 6.84 | 51.8 | .378 | 426 | |
| 36-23 | Marindahl | Clay Creek | Irene, S. D. | 61.9 | 57.6 | July 1954 | -- | 2,228 | .9 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1972 | 18 | 2,034 | .82 | 46.74 | .19 | 193 | |
| 36-24 | Wild Rice WR-3 | Wild Rice Creek | Britton, S. D. | 17 | 5.95 | May 1961 | -- | 855.2 | 8.73 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1973 | 12.25 | 843.64 | 8.61 | 59.57 | .16 | 243 | |
| 36-25 | Wild Rice WR-5 | Unnamed | -do- | 5.16 | 2.35 | Sept 1961 | -- | 280 | 7.12 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1973 | 12 | 274.43 | 7.04 | 61.38 | .2 | 267 | |

MISSOURI RIVER BASIN (ABOVE PIERRE TO NIOBRARA)
Niobrara and White River Basins

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37-1a | Elkins Stock Pond No. 1- | Br. Frozenman Creek | Hayes, S. D. | .58 | .57 | May 1907 | -- | 18.61 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June 1937 | 30 | 15.78 | -- | 41.3 | .16 | 144 | |
| 37-2 | Elkins Stock Pond No. 2- | -do- | -do- | .33 | .33 | May 1911 | -- | 4.34 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June 1937 | 26 | 3.18 | -- | 36.6 | .136 | 108 | |
| 37-3 | Land Utilization Project No. 226-1. | Trib. of Bad River | Pierre, S. D. | .203 | .197 | Mar. 1936 | -- | 16.7 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 9.3 | 15.2 | -- | -- | .822 | -- | |
| 37-4 | Land Utilization Project No. 226-2. | Trib. Missouri River | -do- | .995 | .981 | Mar. 1936 | -- | 34 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 9.3 | 29.8 | -- | -- | .458 | -- | |
| 37-5 | Land Utilization Project No. 226-4. | Trib. of Bad River | -do- | .748 | .742 | May 1936 | -- | 13.6 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 9.2 | 9.9 | -- | -- | .539 | -- | |
| 37-6 | Land Utilization Project No. 226-6. | Trib. of Missouri River | -do- | 2.555 | 2.541 | Apr. 1936 | -- | 31.8 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 8.3 | 25.1 | -- | -- | .385 | -- | |
| 37-7 | Land Utilization Project No. 226-13. | Trib. of Bad River | -do- | .166 | .163 | Oct. 1936 | -- | 9.1 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 8.7 | 8.3 | -- | -- | .521 | -- | |
| 37-8 | Land Utilization Project No. 226-21. | Trib. of Missouri River | -do- | .245 | .234 | Oct. 1936 | -- | 28.9 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 8.7 | 26.1 | -- | -- | 1.389 | -- | |
| 37-9 | Land Utilization Project No. 226-22. | Trib. of Bad River | -do- | .514 | .511 | Nov. 1936 | -- | 9.2 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 8.7 | 8.3 | -- | -- | .2 | -- | |

1/ Includes upstream structures.
2/ Adjusted to correct previous years error.
3/ Based on December 1960 sample.
4/ Minus (-) indicates scour or compaction. (treated as negative sediment).
5/ Weight determined by gamma probe.
6/ Water supply pool capacity. Reservoir capacity is greater at spillway crest elevation.
7/ Conservation pool capacity. Flood pool capacity is 1,052 ac.-ft.
8/ Increase in capacity in 1950 was due to settlement of dam.
9/ 837 ac.-ft. of storage created by dredging.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | MISSOURI RIVER BASIN (ABOVE PIERRE TO NIOBRARA) Niobrara and White River Basins (Continued) | | | | | | | | | | |
| 37-10 | Land Utilization Project No. 226-25. | Trib. of Missouri River | Pierre, S. D. | .147 | .144 | Nov. 1957 | -- | 9.3 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 7.7 | 8.4 | -- | -- | .799 | -- | |
| 37-11 | Land Utilization Project No. 226-31. | -do- | -do- | .225 | .22 | Mar. 1937 | -- | 13.9 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 8.3 | 12.3 | -- | -- | .859 | -- | |
| 37-12 | Land Utilization Project No. 226-32. | -do- | -do- | .477 | .472 | Mar. 1937 | -- | 14.1 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 8.3 | 12.1 | -- | -- | .508 | -- | |
| 37-13 | Land Utilization Project No. 226-34. | -do- | -do- | 1.222 | 1.209 | June 1937 | -- | 44.3 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 8.1 | 40 | -- | -- | .443 | -- | |
| 37-14 | Land Utilization Project No. 226-35. | -do- | -do- | .508 | .502 | May 1938 | -- | 18.4 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 7.2 | 16.1 | -- | -- | .831 | -- | |
| 37-15 | Land Utilization Project No. 243-1. | -do- | -do- | .108 | .106 | Nov. 1937 | -- | 2.7 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 7.7 | 2 | -- | -- | .811 | -- | |
| 37-16 | Land Utilization Project No. 243-2. | Unnamed Stream (interior drainage) | -do- | .134 | .131 | Nov. 1937 | -- | 5.2 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 7.7 | 3 | -- | -- | 2.206 | -- | |
| 37-17 | Land Utilization Project No. 243-5. | Trib. of Missouri River | -do- | .072 | .07 | Nov. 1937 | -- | 2.6 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 7.7 | 2.2 | -- | -- | .7 | -- | |
| 37-18 | Land Utilization Project No. 243-6. | Trib. of Bad River | -do- | .117 | .116 | Nov. 1937 | -- | 3.2 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 7.7 | 2.8 | -- | -- | .474 | -- | |
| 37-19 | Land Utilization Project No. 243-10. | Trib. of Missouri River | -do- | .533 | .532 | June 1938 | -- | 3.7 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 7.1 | 2.9 | -- | -- | .222 | -- | |
| 37-20 | Land Utilization Project No. 243-11. | -do- | -do- | .339 | .338 | July 1938 | -- | 4.5 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1945 | 7 | 3.9 | -- | -- | .266 | -- | |
| 37-21 | Harris Reservoir North-- | Unnamed | Gordon, Nebr. | .577 | .573 | May 1947 | -- | 7.3 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Nov. 1956 | 9.5 | 5.57 | -- | *70 | .315 | 480 | |
| 37-22 | Harris Reservoir South-- | -do- | -do- | 11.9 | 11.85 | May 1947 | -- | 18.64 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Nov. 1956 | 9.5 | 15.77 | -- | *70 | .025 | 38 | |
| 37-23 | Johnson Reservoir | -do- | -do- | .856 | .849 | -- 1946 | -- | 16.25 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Nov. 1956 | 10.3 | 12.39 | -- | *70 | .435 | 663 | |
| 37-24a | Lake Dante | Trib. of Choteau Creek- | Wagner, S. D. | 2.89 | 2.89 | Nov. 1937 | -- | 260.73 | .352 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. 1955 | 17.9 | 230.95 | .312 | *60 | .578 | 756 | |
| 37-25 | Eggars | Trib. of Missouri River | -do- | 10.3 | 10.3 | July 1937 | -- | 231 | .84 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1965 | 28 | 200.32 | .728 | 50 | .107 | 115 | |
| | | | MISSOURI RIVER BASIN (MOBRIDGE TO ABOVE PIERRE) Cheyenne and Belle Fourche River Basins | | | | | | | | | | |
| 38-1 | Johnson's Stock Pond---- | Trib. L. Cheyenne River | Gettysburg, S. D.- | .191 | .188 | -- 1912 | -- | 2.56 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June 1937 | 25 | 1.65 | -- | 56.1 | .16 | 288 | |
| 38-2 | Bartel Stock Pond------- | Little Cheyenne Creek-- | -do- | .609 | .606 | -- 1908 | -- | 4.3 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June 1937 | 29 | 2.8 | -- | 53.6 | .08 | 96 | |
| 38-3a | W-14 (Anderson)--------- | Trib. Fourmile Creek-- | Vale, S. D. | .054 | .054 | Nov. 1956 | -- | 5.6 | 1.42 | -- | -- | -- | ARS |
| | -do- | -do- | -do- | -- | -- | Oct. 1958 | 1.9 | 5.14 | 1.3 | 70 | 4.48 | 6,708 | |
| | -do- | -do- | -do- | -- | -- | Dec. 1962 | 4.2 | 4.51 | 1.14 | 70 | 2.78 | 4,158 | |
| | -do- | -do- | -do- | -- | -- | Apr. 1967 | 4.3 | 4.36 | 1.11 | 70 | .65 | 967 | |
| 38-4a | W-9 (Smeenk)------------ | Sulphur Creek---------- | Sulphur, S. D.---- | 1.27 | 1.27 | Nov. 1951 | -- | 350.9 | 10.35 | -- | -- | -- | ARS |
| | -do- | -do- | -do- | -- | -- | June 1961 | 9.6 | 334 | 9.85 | 84 | 1.38 | 2,525 | |
| | -do- | -do- | -do- | -- | -- | June 1969 | 8 | 315.3 | 9.3 | 84 | 1.84 | 3,367 | |
| 38-5 | Angostura Reservoir----- | Cheyenne River--------- | Hot Springs, S. D. | 9,100 | 9,093 | Oct. 1949 | -- | 159,919 | .868 | -- | -- | -- | BR |
| | -do- | -do- | -do- | -- | -- | Sept 1965 | 16 | 136,761 | .752 | 56.4 | .145 | 178 | |
| 38-6 | Sturgis Watershed No. 1- | Alkali Creek----------- | Sturgis, S. D.---- | .339 | .339 | Oct. 1965 | -- | -- | -- | -- | -- | -- | FS |
| | -do- | -do- | -do- | -- | -- | Oct. 1966 | 1 | -- | -- | 92.2 1/-- | | 2/-- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1967 | 1 | -- | -- | 92.2 1/-- | | 1 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1968 | 1 | -- | -- | 92.2 1/-- | | 2/-- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1969 | 1 | -- | -- | 92.2 1/-- | | 2/-- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1970 | 1 | -- | -- | 92.2 1/-- | | 2/-- | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38-7 | Sturgis Watershed No. 2- | -----do----------- | -----do----------- | .139 | .139 | Oct. 1965 | -- | -- | -- | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1966 | 1 | -- | -- | 92.2 | -- | 2/-- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1967 | 1 | -- | -- | 92.2 | .001 | 2 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1968 | 1 | -- | -- | 92.2 1/-- | | 2/-- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1969 | 1 | -- | -- | 92.2 1/-- | | 2/-- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1970 | 1 | -- | -- | 92.2 | .004 | 9 | |
| 38-8 | Sturgis Watershed No. 3- | -----do----------- | -----do----------- | .237 | .297 | Oct. 1965 | -- | -- | -- | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1966 | 1 | -- | -- | 92.2 1/-- | | 2/-- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1967 | 1 | -- | -- | 92.2 1/-- | | 2/-- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1968 | 1 | -- | -- | 92.2 1/-- | | 2/-- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1969 | 1 | -- | -- | 92.2 1/-- | | 2/-- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1970 | 1 | -- | -- | 92.2 | .001 | 2 | |
| 38-9 | Canyon Lake------------ | Rapid Creek------------ | Rapid City, S. D.- | 385 | 3/66.35 | Sept 1933 | -- | 300.77 | .011 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1970 | 37 | 221.75 | .008 | 65 | 4/.032 | 4/50 | |
| 38-10a | Barrel Detention Dam---- | Unnamed---------- | New Castle, Wy.--- | 6.15 | 4.77 | Aug. 1968 | -- | 454.6 | .73 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Dec. 1970 | 2.25 | 438.4 | .7 | 86.25 | 1.51 | 2,837 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Nov. 1971 | 1 | 431.6 | .69 | -- | 1.43 | 2,690 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | June 1974 | 2.75 | 415.9 | .67 | -- | 1.19 | 2,241 | |
| 38-11 | New Underwood Reservoir- | -----do----------- | New Underwood,S.D. | 2.97 | 2.94 | -- 1935 | -- | 138.5 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. 1970 | 35 | 120.2 | -- | *60 | .177 | 231 | |

MISSOURI RIVER BASIN (WILLISTON TO MOBRIDGE)
Moreau, Grand, Cannonball, Heart, and Little Missouri River Basins

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39-1 | Frederick Stock Dam----- | Louse Creek------------ | Flasher, N. D.----- | 1.17 | 1.17 | -- 1935 | -- | 1.06 | *.021 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. 1956 | 21 | .864 | *.017 | *35 | .00797 | 6 | |
| 39-2a | Hiddenwood Lake--------- | Hiddenwood Creek------- | Selby, S. D.------- | 31.8 | 27.2 | May 1926 | -- | 5/207.78 | .549 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept 1959 | 33.3 | 165.7 | .438 | 55 | .047 | 56 | |
| 39-3 | Kaubisch Reservoir------ | Trib. of Moreau-------- | Sorum, S. D.------- | 2.2 | 1.9 | Aug. 1924 | -- | 389.8 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. 1964 | 40 | 380.75 | -- | *60 | .12 | 157 | |
| 39-4 | Clark Reservoir--------- | -----do----------- | -----do----------- | 3.56 | 2.56 | Aug. 1949 | -- | 62 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. 1964 | 15 | 56.15 | -- | *60 | .15 | 196 | |
| 39-5 | Wenner Reservoir-------- | Trib. of Grand--------- | Lemmon, S. D.------ | .493 | .493 | Aug. 1951 | -- | 35.96 | 3.182 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. 1964 | 13 | 33.96 | 3.005 | *60 | .3 | 392 | |
| 39-6 | Cole Reservoir---------- | -----do----------- | Bison, S. D.------- | 4.66 | 2.21 | Aug. 1937 | -- | 161.1 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. 1964 | 27 | 144.01 | -- | *60 | .29 | 379 | |
| 39-7 | Van Costing Dam--------- | Trib. of Missouri River | Hensler, N. D.----- | 1.78 | 1.76 | Apr. 1950 | -- | 171.5 | *3.618 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct 1964 | 14.5 | 167 | *3.523 | 65.4 | 6/.176 | 5/232 | |
| 39-8 | Battle Creek Detention D | Battle Creek----------- | Hulett, Wy.-------- | 18.44 | 18.44 | Nov. 1967 | -- | 620.1 | *.63 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept 1970 | 2.83 | 614.7 | *.62 | 71.4 | .104 | 162 | |
| 39-9 | Sterling Dam------------ | Random Creek----------- | Sterling, N. D.---- | 42.81 | 42.7 | -- 1900* | -- | 525.67 | .822 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. 1973 | 73 | 390.6 | .611 | 19.6 | .043 | 18 | |

MISSOURI RIVER BASIN (ZORTMAN TO WILLISTON)
Milk and Musselshell River Basins

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40-1 | Yellow Water------------ | Yellow Water Creek----- | Winnett, Mont.----- | 55 | 54 | June 1938 | -- | 4,796 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept 1948 | 10.3 | 4,616 | -- | *32 | .32 | 224 | |
| 40-2 | Fort Peck--------------- | Missouri River--------- | Fort Peck, Mont.-- | 57,725 | 7/-- | Oct. 1937 | -- | 19,557,492 | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | June 1950 | 12.67 | 19,233,686 | -- | 56.7 | .65 | 803 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept 1952 | 2.25 | 19,186,698 | -- | 57.4 | .53 | 724 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | June 1954 | 1.75 | 19,164,369 | -- | 57.9 | .33 | 471 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | May 1958 | 3.92 | 19,162,468 | -- | 58.8 | .013 | 75 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | June 1961 | 3.08 | 19,138,511 | -- | 59.4 | .22 | 338 | |

MISSOURI RIVER BASIN (ABOVE ZORTMAN)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41-1 | Anderson Reservoir------ | Trib. of Pondera Creek- | Conrad, Mont.------ | .156 | .156 | -- 1916 | -- | 9.27 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1955 | 39 | 8.44 | -- | *60 | .136 | 183 | |
| 41-2a | Kropp------------------- | -----do----------- | -----do----------- | .625 | .625 | -- 1900 | -- | 4.7 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1955 | 55 | 3.84 | -- | *60 | .025 | 33 | |
| 41-3 | Walston----------------- | -----do----------- | -----do----------- | 2.96 | 2.96 | -- 1915 | -- | 66.13 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1955 | 40 | 51.71 | -- | *60 | .122 | 166 | |
| 41-4 | Gibson Reservoir-------- | Sun River-------------- | Augusta, Mont.----- | 575 | 573 | -- 1930 | -- | 104,784 | .36 | -- | -- | -- | BR |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. 1973 | 44 | 99,059 | .34 | *70 | .23 | 350 | |

LOWER YELLOWSTONE RIVER BASIN
Tongue and Powder River Basins

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42-1a | Baker Lake-------------- | Sandstone Creek-------- | Baker, Mont.------- | 5.2 | 5.01 | May 1908 | -- | 756 | 3.4 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | May 1937 | 29.1 | 502 | 2.26 | 39 | 1.74 | 1,478 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | May 1955 | 18 | 393 | 1.77 | 45 | 1.21 | 1,553 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | July 1970 | 15.2 | 235 | 1.06 | 40 | 2.08 | 1,288 | |
| 42-2 | Tongue River------------ | Tongue River----------- | Decker, Mont.------ | 1,740 | 1,734.5 | May 1939 | -- | 72,510 | .248 | -- | -- | -- | BR |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1948 | 9.42 | 69,439 | .237 | 70.5 | .188 | 289 | |
| 42-3 | Herzog Reservoir-------- | Dry Creek-------------- | Miles City, Mont.- | 6.92 | 6.92 | -- 1941 | -- | 300 | 4.05 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | -- 1969 | 28 | 222 | 3 | 70 | .403 | 614 | |

1/ Less than .001. Material removed from Weir Pond facility periodically.
2/ Less than one ton.
3/ Pactola Reservoir controls about 320 sq. mi.
4/ 9.9 ac.-ft. sediment, removed in 1956, not included.
5/ Conservation pool capacity. Reservoir has greater capacity at spillway crest elevation.
6/ Includes .03 ac.-ft. above crest deposits.
7/ 1937-1955=39,097 sq. mi.; 1956-1961=34,692 sq. mi.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UPPER YELLOWSTONE RIVER BASIN | | | | | | | | |
| 43-1b | Buffalo Bill | Shoshone River | Cody, Wy. | 1,470 | 1,470 | May 1910 | -- | 455,838 | .492 | -- | -- | -- | BR |
| | -do- | -do- | -do- | -- | -- | -- 1941 | 31.7 | 439,851 | .474 | -- | .34 | -- | |
| | -do- | -do- | -do- | -- | -- | -- 1958 | 17 | 421,333 | .455 | -- | .62 | -- | |
| 43-2 | Big Gin | Trib. Fifteenmile Creek | Worland, Wy. | .942 | .918 | Oct. 1954 | -- | 99.2 | 3.906 | -- | -- | -- | GS |
| | -do- | -do- | -do- | -- | -- | Oct. 1955 | 1 | 98.1 | 3.862 | -- | 1.2 | -- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1958 | 3 | 96 | 3.78 | -- | .8 | -- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1961 | 3 | 93.2 | 3.669 | -- | 1 | -- | |
| 43-3 | Fraser Draw | Fraser Draw | Moneta, Wy. | 27.4 | 27.4 | Oct. 1954 | -- | 90.2 | 1.797 | -- | -- | -- | GS |
| | -do- | -do- | -do- | -- | -- | Oct. 1958 | 4 | 87.7 | 1.747 | -- | .02 | -- | |
| | -do- | -do- | -do- | -- | -- | Nov. 1960 | 2 | 83.3 | 1.659 | -- | .08 | -- | |
| 43-4 | East Fork | Graham Draw | -do- | .81 | .81 | June 1949 | -- | 12.3 | 4.241 | -- | -- | -- | GS |
| | -do- | -do- | -do- | -- | -- | Nov. 1949 | .42 | 11.73 | 4.045 | -- | 1.68 | -- | |
| | -do- | -do- | -do- | -- | -- | May 1952 | 2.54 | 11.01 | 3.797 | -- | .35 | -- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1955 | 3.42 | 10.83 | 3.734 | -- | .06 | -- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1957 | 2 | 10.61 | 3.659 | -- | .14 | -- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1960 | 3 | 10.58 | 3.648 | -- | .01 | -- | |
| 43-5 | West Fork | -do- | -do- | .38 | .38 | July 1948 | -- | 3.13 | 3.817 | -- | -- | -- | GS |
| | -do- | -do- | -do- | -- | -- | Nov. 1949 | 1.25 | 2.94 | 3.585 | -- | .39 | -- | |
| | -do- | -do- | -do- | -- | -- | May 1952 | 2.54 | 2.54 | 3.098 | -- | .42 | -- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1955 | 3.42 | 2.62 | 3.195 | -- | 0 | -- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1957 | 2 | 2.59 | 3.159 | -- | .05 | -- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1960 | 3 | 2.47 | 3.012 | -- | .11 | -- | |
| 43-6 | Red Spires | Rock Waterhole Creek | Worland, Wy. | 5.24 | 5.2 | Oct. 1954 | -- | 193.4 | 1.098 | -- | -- | -- | GS |
| | -do- | -do- | -do- | -- | -- | Oct. 1955 | 1 | 191.3 | 1.086 | -- | .4 | -- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1958 | 3 | 176.1 | 1 | -- | .98 | -- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1961 | 3 | 154.5 | .877 | -- | 1.38 | -- | |
| 43-7 | Boysen | Wind River | Thermopolis, Wy. | 7,700 | 7,670 | Oct. 1951 | -- | 819,132 | .625 | -- | -- | -- | BR |
| | -do- | -do- | -do- | -- | -- | Aug. 1964 | 12.8 | 802,004 | .612 | 83 | .17 | 307 | |
| | | | | | ARKANSAS RIVER BASIN (VAN BUREN TO LITTLE ROCK) WHITE RIVER BASIN | | | | | | | | |
| 44-1a | Lake Bennett | East Fork Creek | Conway, Ark. | 4.16 | 4.11 | June 1935 | -- | 494 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Nov. 1935 | .4 | 490 | -- | -- | 2.43 | -- | |
| | -do- | -do- | -do- | -- | -- | Nov. 1946 | 11 | 481 | .13 | -- | .2 | -- | |
| 44-2 | Lake Booneville | Trib. Petit Jean Creek | Booneville, Ark. | 2.6 | 2.57 | Mar. 1929 | -- | 289 | .127 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Nov. 1935 | 6.75 | 282 | -- | -- | .455 | -- | |
| 44-3 | Lake Fort Smith | Jack and Jones Creeks | Mountainburg, Ark. | 65 | 64 | Feb. 1936 | -- | *13,810 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Apr. 1940 | 4.2 | 13,727 | -- | -- | .31 | -- | |
| 44-4 | Lake Bailey | Cedar Creek | Morrilton, Ark. | 15.2 | 15 | Sept 1937 | -- | 629 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | May 1940 | 2.7 | 602 | -- | -- | .66 | -- | |
| 44-5 | Lake Taneycomo | White River | Branson, Mo. | 4,610 | 4,606 | Mar. 1913 | -- | 43,980 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1935 | 22.4 | 23,714 | -- | -- | .196 | -- | |
| 44-6 | Nimrod | Fourche La Fave River | Nimrod, Ark. | 680 | 652 | May 1942 | -- | 336,000 | .532 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Apr. 1950 | 7.9 | 1/336,000 | .532 | -- | 1/-- | -- | |
| 44-7 | Norfork | North Fork River | Norfork, Ark. | 1,806 | 1,772 | June 1943 | -- | 1/1,560,500 | 1.138 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | May 1950 | 6.9 | 2/1,560,500 | 1.138 | -- | 2/-- | -- | |
| 44-8 | Cove Lake | Arkansas River Trib. | Paris, Ark. | 10.9 | 10.66 | May 1938 | -- | 2,206 | *.298 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Dec. 1953 | 15.5 | 2,141 | *.29 | -- | .39 | -- | |
| 44-9 | Charleston Lake | -do- | Charleston, Ark. | 1.03 | .93 | Apr. 1937 | -- | 325 | *.455 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Dec. 1953 | 16.66 | 264 | *.37 | -- | 3.94 | -- | |
| 44-10 | Six Mile Creek No. 2 | Shaver Creek | Caulksville, Ark. | 5.38 | 5.26 | Oct. 1954 | -- | 3/1,619.93 | .469 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1961 | 6.67 | 3/1,608.15 | .467 | -- | 3/.17 | -- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1954 | -- | 4/309.52 | .09 | -- | -- | -- | |
| 44-11 | Six Mile Creek No. 5 | Little Caney Creek | -do- | 1.9 | 1.81 | July 1961 | 6.67 | 4/301.01 | .087 | -- | 4/.24 | -- | |
| | -do- | -do- | -do- | -- | -- | Dec. 1954 | -- | 3/660.98 | .705 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1961 | 6.63 | 3/654.63 | .703 | -- | 3/.53 | -- | |
| | -do- | -do- | -do- | -- | -- | Dec. 1954 | -- | 4/221.96 | .183 | -- | -- | -- | |
| 44-12 | Six Mile Creek No. 23 | Trib. Hurricane Creek | Peter Pender, Ark. | 4.16 | 3.91 | July 1961 | 6.63 | 4/215.77 | .177 | -- | 4/.51 | -- | |
| | -do- | -do- | -do- | -- | -- | July 1955 | -- | 3/989.25 | .372 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1961 | 6 | 3/983.27 | .369 | -- | 3/.26 | -- | |
| | -do- | -do- | -do- | -- | -- | July 1955 | -- | 4/75.92 | .029 | -- | -- | -- | |
| 44-13 | Dardanelle Reservoir | Arkansas River | Dardanelle, Ark. 5/ | 153,703 | 11,333 | July 1961 | 6 | 4/70.64 | .027 | -- | 4/.23 | -- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1964 | -- | 460,300 | 6/.0532 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Oct. 1965 | 1.08 | 452,600 | 6/.0532 | *80 | .626 | 1,090 | |
| | | | | | | Apr. 1968 | 2.5 | 443,500 | 6/.054 | 80 | .321 | 560 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44-14 | Six Mile Creek Site No.6 | Six Mile Creek--------- | Chismville, Ark.-- | 4.14 | 4.07 | Oct. 1954 | -- | 1,304.03 | .446 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | May 1964 | 9.58 | 1,275.62 | .436 | 68.8 | .73 | 1,093 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1970 | 6.42 | 1,253.26 | .429 | 76.1 | .86 | 1,425 | |

ARKANSAS RIVER BASIN (TULSA TO VAN BUREN)
Grand, Verdigris, and Lower Canadian River Basins

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45-1 | Lake Wedington---------- | Trib. of Illinois River | Fayetteville, Ark. | 4.06 | 3.92 | July 1937 | -- | 1,260 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. 1947 | 10.1 | 1,249 | -- | -- | .278 | -- | |
| 45-2 | Wilson------------------ | Wilson Creek----------- | -----do----------- | 2.35 | 2.3 | Oct. 1930 | -- | 522 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | June 1940 | 9.75 | 517 | -- | -- | .23 | -- | |
| 45-3 | Lake Sapulpa------------ | Euchee Creek----------- | Sapulpa, Okla.----- | 8.72 | 8.57 | -- 1913 | -- | 1,094 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Dec. 1935 | 22.5 | 911 | -- | -- | .949 | -- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Dec. 1946 | 11 | 842 | -- | -- | .732 | -- | |
| 45-4b | Brown Lake-------------- | Peaceable Creek-------- | McAlester, Okla.-- | 20.9 | 19.9 | May 1943 | -- | 4,995 | .64 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | July 1952 | 9.2 | 4,660 | .597 | 54.2 | 1.83 | 2,160 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Apr. 1963 | 10.75 | 4,525 | .58 | -- | .63 | 743 | |
| 45-5 | Lake McAlester---------- | Bull Creek------------- | -----do----------- | 30.7 | 28.2 | -- 1919 | -- | 18,397 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept 1941 | 22 | 17,509 | -- | -- | 1.43 | -- | |
| 45-6 | Lake Okmulgee----------- | Salt Creek------------- | Okmulgee, Okla.--- | 40.1 | 39.2 | -- 1928 | -- | 10,355 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Apr. 1950 | 22 | 9,896 | -- | -- | .532 | -- | |
| 45-7a | Shawnee Lake------------ | Deer Creek------------- | Shawnee, Okla.----- | 21.2 | 18.9 | 7/Aug. 1937 | -- | 7/22,600 | -- | -- | -- | -- | SCS |
| | | | | | | | | 24,468 | -- | -- | -- | -- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | 8/Dec. 1947 | 12.3 | 9/23,816 | -- | 94.72 | 2.8 | 5,776 | |
| | | | | | | | | 23,429 | -- | -- | -- | -- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Mar. 1957 | 9.2 | 9/22,327 | -- | 94.72 | 2.7 | 5,339 | |
| 45-8 | Taft Lake--------------- | Branch of Pecan Creek-- | Taft, Okla.-------- | 2.3 | 2.2 | -- 1937 | -- | 580 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept 1947 | 10 | 574 | -- | -- | .29 | -- | |
| 45-9 | Hiwassee Lake----------- | Trib. Deep Fk. Creek--- | Arcadia, Okla.----- | 4.58 | 4.29 | -- 1936 | -- | 2,341 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Apr. 1950 | 14 | 2,158 | -- | -- | 3.05 | -- | |
| 45-10 | Lake Carleton----------- | Fourche Maline Creek--- | Wilburton, Okla.--- | 19.8 | 19.7 | -- 1933 | -- | 10/570 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | July 1947 | 14 | 511 | -- | -- | .21 | -- | |
| 45-11 | Holdenville City Lake--- | Beemore Creek---------- | Holdenville, Okla. | 8.95 | 8.3 | June 1931 | -- | 9,844 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Apr. 1950 | 18.6 | 9,030 | -- | -- | 5.22 | -- | |
| 45-12 | Pretty Water Lake------- | Pretty Water Creek----- | Sapulpa, Okla.----- | 2.43 | 2.4 | Mar. 1936 | -- | 344 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Dec. 1946 | 10.75 | 322 | -- | -- | .85 | -- | |
| 45-13 | Greenleaf Lake---------- | Big Greenleaf Creek---- | Muskogee, Okla.---- | 81.25 | 79.84 | Mar. 1937 | -- | 13,005 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Nov. 1941 | 4.7 | 12,828 | -- | -- | .47 | -- | |
| 45-15 | Kirk Lake--------------- | Unnamed---------------- | Iola, Kans.-------- | 2.41 | 2.36 | -- 1897 | -- | 111 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept 1939 | 42 | 69 | -- | 48.1 | .43 | 450 | |
| 45-16 | Lowell------------------ | Sprg. R. & Shoal Creek- | Baxter Springs, Kans. | 2,210 | 2,208.6 | Mar. 1905 | -- | 10,404 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. 1939 | 34.4 | 7,580 | -- | *60 | .04 | 52 | |
| 45-17 | Neosho Co. State Lake (Lake McKinley). | Small Trib. Neosho R.-- | Parsons, Kans.----- | 3.38 | 3.24 | July 1927 | -- | 680 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. 1939 | 12.1 | 651 | -- | *60 | .74 | 967 | |
| 45-18 | Lake Claremore---------- | Dog Creek-------------- | Claremore, Okla.--- | 56.44 | 55.7 | May 1931 | -- | 4,258 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1939 | 8.4 | 3,909 | -- | 51.17 | .749 | 835 | |
| 45-19 | Lake Spavinaw----------- | Spavinaw Creek--------- | Spavinaw, Okla.---- | 400 | 397.2 | Apr. 1924 | -- | 31,686 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | July 1935 | 11 | 30,509 | -- | -- | .269 | -- | |
| 45-20 | Kennamer Lake----------- | Trib. of Pryors Creek-- | Chelsea, Okla.----- | .28 | .27 | -- 1923 | -- | 28 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | -- 1939 | 16 | 26.5 | -- | -- | .35 | -- | |
| 45-21 | State Fish Hatchery Lake | Happy Creek------------ | Claremore, Okla.--- | 1.21 | 1.2 | -- 1934 | -- | 34 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | -- 1939 | 5 | 32.9 | -- | -- | .18 | -- | |
| 45-22 | Lake Scarbow------------ | Trib. of Pryor Creek--- | Pryor, Okla.------- | 3.07 | 3.04 | -- 1931 | -- | 123 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | -- 1939 | 8 | 111.9 | -- | -- | .46 | -- | |
| 45-23 | Wewoka Lake------------- | Coon Cr. or Spring Cr.- | Wewoka, Okla.------ | 16.27 | 15.72 | July 1925 | -- | 11/4,961 | 1.028 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Apr. 1945 | 19.6 | 4,489 | .93 | -- | 1.51 | -- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Feb. 1954 | 8 | 4,357 | .903 | -- | 12/1.05 | -- | |
| 45-24 | Wetumka City Lake------- | Salt Creek------------- | Wetumka, Okla.----- | 4.15 | 3.88 | Jan. 1931 | -- | 2,076 | 1.341 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Feb. 1954 | 23.2 | 1,898 | 1.226 | -- | 1.98 | -- | |
| 45-25 | Adair------------------- | N. Caney River--------- | Sedan, Kans.------- | .33 | .33 | Mar. 1953 | -- | 20.9 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept 1960 | 7.5 | 20.2 | -- | 55 | .28 | 335 | |
| 45-26 | Bevoy------------------- | Big Caney River-------- | Cedar Vale, Kans.- | .16 | .16 | Jan. 1938 | -- | 22.8 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept 1960 | 22.7 | 21.2 | -- | 60 | .44 | 574 | |
| 45-27 | Buffalo----------------- | Bee Creek-------------- | Havana, Kans.------ | .26 | .26 | -- 1934 | -- | 51.7 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept 1960 | 26 | 48.5 | -- | 50 | .45 | 490 | |
| 45-28a | Foster------------------ | N. Caney River--------- | Sedan, Kans.------- | 2.25 | 2.25 | Jan. 1951 | -- | 484 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. 1960 | 9.5 | 477.8 | -- | 55 | .29 | 347 | |
| 45-29 | House------------------- | Caney River------------ | Hewins, Kans.------ | .25 | .25 | Sept 1936 | -- | 10.66 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept 1960 | 24 | 9.26 | -- | 60 | .23 | 300 | |
| 45-30 | Herbert Niles Pond------ | Unnamed---------------- | Lebo, Kans.-------- | .194 | .192 | Jan. 1939 | -- | 10.59 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | July 1957 | 18.5 | 8.56 | -- | *60 | 13/.6 | 13/810 | |
| 45-31 | Kahola------------------ | Kahola Creek----------- | Dunlap, Kans.------ | 15.9 | 15.3 | Dec. 1936 | -- | 6,491 | *1.591 | -- | -- | -- | ARS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Apr. 1954 | 18.3 | 5,935 | *1.455 | 51.6 | 1.99 | 2,236 | |

1/ Suspended-load inflow was 608 ac.-ft.; suspended - load outflow was 200 ac.-ft. during period. Deposits too small to measure by range survey.
2/ Sediment inflow volume was computed to be 2,350 ac.-ft., much of this probably settled out over a large area in deposits too thin to be measured accurately by echo sounders.
3/ Both sediment and flood pools.
4/ Sediment pool only.
5/ 22,241 sq. mi. is probably noncontributing.
6/ Based on inflow from net sediment contributing area.
7/ Original topographic survey.
8/ From "A" reconnaisance investigation, Shawnee Lake, by Victor H. Jones, Geologist, SCS.
9/ Present ac.-ft. as shown by the two surveys.
10/ Lake drained and dam raised 1937. Original capacity at 1938 crest.
11/ Dam raised 11 feet Mar. 1946; all values based on present elevation.
12/ Dam broke Apr. 1945; rebuilt Mar. 1946; this period not included.
13/ Includes .03 ac.-ft. above crest deposits.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | | ARKANSAS RIVER BASIN (TULSA TO VAN BUREN) Grand, Verdigris, and Lower Canadian River Basins (Continued) | | | | | | | | | |
| 45-32 | Mills | Big Caney River | Sedan, Kans. | .2 | .2 | -- 1920 | -- | 23.9 | -- | -- | -- | --- | SCS |
| | do | do | do | -- | -- | Sept 1960 | 40 | 21.6 | -- | 70 | .28 | 427 | |
| 45-33 | Payer Pond | Unnamed | Burlington, Kans. | .345 | .345 | Jan. 1938 | -- | 54.97 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1957 | 19.5 | 44.12 | -- | 57 | 1.61 | 1,998 | |
| 45-34 | Staats | Middle Caney River | Cedarvale, Kans. | .49 | .49 | Jan. 1943 | -- | 81.46 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1960 | 17.7 | 77.94 | -- | 60 | .41 | 536 | |
| 45-35 | Hulah | Caney River | Hulah, Okla. | 732 | 712 | Feb. 1950 | -- | 295,130 | 1.109 | -- | -- | -- | CE |
| | do | do | do | -- | -- | June 1958 | 8.4 | 292,565 | 1.099 | 44.2 | .429 | 413 | |
| 45-36a | Double Creek Site No. 5- | do | Ramona, Okla. | 2.39 | 2.36 | Feb. 1955 | -- | 747.36 | .83 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. 1964 | 9.2 | 734.29 | .81 | 54.3 | .6 | 710 | |
| | do | do | do | -- | -- | Sept 1969 | 5.5 | 730.53 | .81 | 54.3 | .29 | 343 | |
| 45-37 | Waldron Lake | Square Rock Creek | Waldron, Ark. | 7.65 | 7.58 | Mar. 1943 | -- | 361.44 | .059 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1961 | 18.58 | 325.78 | .053 | -- | .25 | -- | |
| 45-38 | Howard City Lake | Game Creek | Howard, Kans. | 10.16 | 10.06 | Sept 1936 | -- | 771 | .316 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1965 | 28.9 | 604.7 | .248 | *60 | .57 | 745 | |
| 45-39a | Heyburn Reservoir | Polecat Creek | Heyburn, Okla. | 123 | 117 | Mar. 1950 | -- | 59,650 | 1.51 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Dec. 1959 | 9.8 | 57,270 | 1.45 | 77.23 | 2.08 | 3,499 | |
| | do | do | do | -- | -- | Oct. 1971 | 11.8 | 55,026 | 1.4 | 91.51 | 1.62 | 3,776 | |
| 45-40 | Toronto Lake | Verdigris | Toronto, Kans. | 730 | 714 | Mar. 1960 | -- | 195,300 | .559 | -- | -- | -- | CE |
| | do | do | do | -- | -- | May 1966 | 6.21 | 192,060 | .55 | 50.4 | .731 | 802 | |
| 45-41 | Eufaula Lake | Canadian | Whitefield, Okla. | 47,522 | 13,693 | Feb. 1964 | -- | 3,848,000 | .89 | -- | -- | -- | CE |
| | do | do | do | -- | -- | June 1969 | 5.33 | 3,798,400 | .88 | 62.2 | .68 | 921 | |
| 45-42 | Hatch | Trib. Neosho River | Burlington, Kans. | .19 | .18 | Oct. 1939 | -- | 4.74 | .07 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1967 | 28 | 3.54 | .05 | *60 | .24 | 314 | |
| 45-43 | Mound Valley Experimental Sta. | Trib. of Pumpkin Creek | Mound Valley, Kans. | .42 | .42 | June 1954 | -- | 6.9 | .032 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1968 | 14 | 4.77 | .022 | *60 | .36 | 470 | |
| 45-44 | Cranor | Trib. Verdigris River | Edna, Kans. | .22 | .22 | Nov. 1953 | -- | 5.01 | .044 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1968 | 14.6 | 3.92 | .034 | *60 | .32 | 418 | |
| 45-45 | Scott | Trib. Neosho | Parsons, Kans. | .23 | .23 | Dec. 1956 | -- | 12 | .1 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1968 | 11.8 | 11.1 | .093 | *60 | .35 | 457 | |
| 45-46 | Fletcher | Big Creek | Gridley, Kans. | .2 | .19 | -- 1934 | -- | 24.41 | .33 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1967 | 33 | 20.1 | .27 | *60 | .68 | 888 | |
| 45-47 | Isch Pond | do | do | .38 | .37 | -- 1927 | -- | 15.37 | .11 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1967 | 40 | 8.72 | .062 | *60 | .46 | 601 | |
| 45-48 | Hess Pond | Trib. Duck Creek | Elk City, Kans. | 1.75 | 1.73 | -- 1933 | -- | 53.04 | .08 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1967 | 34 | 29.69 | .045 | *60 | .4 | 522 | |
| 45-49 | Olenhouse | do | La Fontaine, Kans. | .13 | .13 | July 1937 | -- | 3.8 | .08 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1967 | 30 | 3 | .062 | *60 | .23 | 300 | |
| 45-50 | Sierman | do | do | .23 | .23 | June 1937 | -- | 5.3 | .062 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1967 | 30 | 4.5 | .052 | *60 | .13 | 170 | |
| 45-51 | Hubert | do | Longton, Kans. | .41 | .4 | Oct. 1948 | -- | 16.38 | .11 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1967 | 19 | 15 | .098 | *60 | .18 | 235 | |
| 45-52 | Meritt Pond | Big Creek | Burlington, Kans. | .25 | .25 | -- 1939 | -- | 8.09 | .09 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1967 | 28 | 4.17 | .045 | *60 | .56 | 731 | |
| 45-53a | Big Wewoka Site No. 36- | Big Wewoka | Holdenville, Okla. | 2.26 | 2.13 | June 1960 | -- | 690.3 | .95 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1969 | 9.1 | 679 | .94 | 62 | .58 | 788 | |
| | do | do | do | -- | -- | July 1974 | 4.92 | 673 | .93 | 73 | .57 | 1,268 | |
| 45-54 | Cane Creek Site No. 11- | Cane Creek | Okmulgee, Okla. | 8.96 | 8.89 | Nov. 1965 | -- | 2,983.6 | .96 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1969 | 3.85 | 2,954.7 | .95 | 55 | .85 | 1,018 | |
| 45-55a | Big Wewoka Site No. 17- | Big Wewoka | Wewoka, Okla. | 2.16 | 2.05 | Mar. 1963 | -- | 691.3 | 1.36 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1968 | 5.53 | 680.7 | 1.34 | 60 | .94 | 1,222 | |
| | do | do | do | -- | -- | July 1973 | 4.86 | 667.5 | 1.32 | 59 | 1.33 | 2,025 | |
| 45-56 | John Redmond Dam & Res. | Grand (Neosho) River | Burlington, Kans. | 3,015 | 1/2,519 | Sept 1963 | -- | 644,800 | .63 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Mar. 1974 | 10.5 | 630,290 | .615 | 61.97 | .549 | 741 | |
| 45-57 | Keystone Lake | Arkansas River | Sand Springs, Okla. | 22,351 | 17,136 | Sept 1964 | -- | 1,879,000 | .392 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Sept 1969 | 5 | 1,836,490 | .384 | 59.46 | .47 | 609 | |
| 45-58 | Little Deep Fk. Site #10 | Deep Fork | Drumright, Okla. | 7.55 | 7.28 | Nov. 1968 | -- | 1,522.5 | .63 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1974 | 5.86 | 1,493.9 | .62 | -- | .67 | 1,059 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46-1b | Fort Supply Lake | Wolf Creek | Fort Supply, Okla. | 1,735 | 1,485 | Jan. 1943 | -- | 107,340 | 1.27 | -- | -- | -- | CE |
| | do | do | do | -- | -- | June 1949 | 6.42 | 106,150 | 1.26 | 57.8 | .125 | 157 | |
| | do | do | do | -- | -- | June 1958 | 9 | 101,750 | 1.21 | 67 | .329 | 498 | |
| | do | do | do | -- | -- | Dec. 1969 | 11.5 | 100,720 | 1.66 | 65.3 | .061 | 74 | |
| 46-2b | Great Salt Plains Lake | Salt Fk. Arkansas River | Jet, Okla. | 3,200 | 3,156 | June 1941 | -- | 308,000 | 1.03 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Dec. 1949 | 8.5 | 292,000 | .98 | 48.6 | .586 | 620 | |
| | do | do | do | -- | -- | Apr. 1961 | 11.4 | 280,200 | .94 | 58.9 | .336 | 529 | |
| | do | do | do | -- | -- | Mar. 1971 | 9.8 | 271,398 | .91 | 63.8 | .286 | 494 | |
| 46-3 | Boomer Lake | Boomer Creek | Stillwater, Okla. | 9.13 | 8.67 | Mar. 1925 | -- | 2,812 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1935 | 10.25 | 2,641 | -- | *60 | 1.93 | 2,522 | |
| 46-4 | Bennington's Lake | Chikaskia River | Rago, Kans. | 1.42 | 1.4 | Aug. 1929 | -- | 75 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1940 | 11.2 | 33 | -- | 69.47 | 2.68 | 4,055 | |
| 46-5 | Meade County State Lake (Lake Larrabee). | Stump Arroya | Meade, Kans. | 18 | 17.84 | June 1928 | -- | 891 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. 1937 | 8.8 | 819 | -- | *60 | .459 | 600 | |
| 46-6 | Lake Medicine | Medicine Lodge Creek | Medicine Lodge, Kans. | 1.89 | 1.84 | Aug. 1929 | -- | 365 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1940 | 11.2 | 295 | -- | 98.52 | 3.4 | 7,296 | |
| 46-7 | Santa Fe | Indianola Creek | Augusta, Kans. | 37.93 | 37.55 | Oct. 1928 | -- | 1,741 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1937 | 8.6 | 1,595 | -- | 58.1 | .45 | 569 | |
| 46-8 | Guthrie | Trib. Cottonwood Creek | Guthrie, Okla. | 13.3 | 12.95 | Oct. 1920 | -- | 3,064 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1935 | 14.5 | 2,608 | -- | *60 | 2.42 | 3,162 | |
| 46-9 | Gelmer's Stock Pond | Bois d'Arc Creek | Blackwell, Okla. | .31 | .31 | Oct. 1939 | -- | 3.74 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1940 | 1 | 3.43 | -- | *65 | 1 | 1,416 | |
| 46-10 | Harris Stock Pond | do | do | .22 | .21 | Apr. 1938 | -- | 12.63 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1940 | 2.5 | 12.37 | -- | *65 | .495 | 701 | |
| 46-11 | Lake Eldorado | Satchel Creek | Eldorado, Kans. | 35.1 | 34.3 | -- 1928 | -- | 3,213 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. 1937 | 9 | 3,082 | -- | 66 | .426 | 612 | |
| 46-12a | Lake Fryer | Wolf Creek | Perryton, Tex. | 108 | 108 | -- 1939 | -- | 844 | .372 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1947 | 7.4 | 717 | .316 | -- | .16 | -- | |
| 46-13b | Canton Lake | North Canadian River | Canton, Okla. | 12,483 | 2/6,081 | July 1947 | -- | 401,500 | 2.15 | -- | -- | -- | CE |
| | do | do | do | -- | -- | May 1953 | 5.83 | 390,800 | 2.1 | 70.9 | .302 | 4,664 | |
| | do | do | do | -- | -- | Oct. 1959 | 6.42 | 385,900 | 2.07 | 56.2 | .125 | 65 | |
| | do | do | do | -- | -- | Sept 1966 | 6.92 | 383,300 | 2.06 | 56.1 | .063 | 76 | |
| 46-14 | Guthrie Mun. Res. No. 2 | Cottonwood Creek | Guthrie, Okla. | 11.63 | 11.29 | May 1949 | -- | 3,192.68 | 1.391 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1960 | 11.4 | 2,945.06 | 1.283 | 95.66 | 1.92 | 4,000 | |
| 46-15a | Lake Carl Blackwell | Stillwater Creek | Stillwater, Okla. | 75.35 | 70.53 | Mar. 1938 | -- | 58,326 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept.1958 | 20.5 | 54,556 | -- | *60 | 2.61 | 3,411 | |
| 46-16 | Lies Pond | Unnamed | Andale, Kans. | 3.36 | 3.36 | June 1942 | -- | 20.44 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1956 | 14 | 9.62 | -- | 94.89 | 3/.28 | 579 | |
| 46-17 | Longton | do | Cimarron, Kans. | .55 | .54 | July 1935 | -- | 4/51.1 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1955 | 20 | 50.28 | -- | 85.7 | .07 | 134 | |
| 46-18 | Hughes No. 1 | do | Ingalls, Kans. | .64 | .63 | -- 1942 | -- | 4/8.5 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1955 | 13 | 5.44 | -- | 72.07 | .32 | 502 | |
| 46-19 | Perry City Lake | Cow Creek | Perry, Okla. | 16.67 | 16.64 | June 1937 | -- | 4,371 | 1.311 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1955 | 17.9 | 3,986 | 1.196 | 83.5 | 1.33 | 2,419 | |
| 46-20 | Pottszinger Pond | Unnamed | Andale, Kans. | .9 | .9 | Aug. 1949 | -- | 14.87 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1956 | 7 | 8.97 | -- | 103.4 | 5/1 | 5/2,252 | |
| 46-21 | O. F. Scott Ponds | Trib. So. Canadian R. | Union City, Okla. | 1.8 | 1.79 | May 1941 | -- | 26.3 | .085 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1955 | 14 | 20.7 | .067 | 65.4 | .22 | 313 | |
| 46-22 | Tom Hill Pond | Trib. of Bridge Creek | Tuttle, Okla. | .53 | .526 | July 1943 | -- | 13.38 | .147 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1955 | 11.8 | 6.43 | .071 | -- | 1.12 | -- | |
| 46-23 | Nichlaus | Trib. Slough Creek | Haven, Kans. | 2.29 | 2.27 | May 1932 | -- | 46.14 | .15 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1967 | 35 | 6/13.6 | .04 | 70 | .22 | 335 | |
| 46-24 | Thever | Trib. Slate Creek | Wellington, Kans. | .14 | .14 | -- 1958 | -- | 4.09 | .16 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1967 | 9 | 3.38 | .13 | *60 | .57 | 745 | |
| 46-25 | Koulouris | Trib. Sand Creek | Newton, Kans. | .24 | .24 | Oct. 1948 | -- | 9.64 | .219 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1968 | 19.92 | 6.95 | .158 | *60 | .58 | 758 | |
| 46-26 | Adams | Trib. Bluff Creek | Anthony, Kans. | .24 | .23 | Sept 1934 | -- | 13.5 | .56 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1968 | 33.92 | 5.76 | .24 | *60 | 1 | 1,307 | |
| 46-27 | Smith - Case | Trib. Little Ark. River | Little River, Kans. | .56 | .56 | Dec. 1958 | -- | 66.89 | 1.86 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1968 | 9.75 | 62.29 | 1.73 | *60 | .84 | 1,098 | |
| 46-28 | Workman | Trib. Medicine Lodge R. | Medicine Lodge, Kans. | .59 | .59 | June 1936 | -- | 10 | .18 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1968 | 32.17 | 1.79 | .03 | *60 | .44 | 575 | |
| 46-29 | Gant | do | do | .3 | .3 | Mar. 1955 | -- | 25.26 | .87 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1968 | 13.42 | 20.29 | .7 | *60 | 1.23 | 1,607 | |
| 46-30 | Schupbach | do | Kiowa, Kans. | .34 | .34 | June 1956 | -- | 26.73 | .81 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1968 | 12.17 | 21.91 | .66 | *60 | 1.18 | 1,542 | |
| 46-31 | Barrett | Wild Creek | Anthony, Kans. | .67 | .67 | Spring 1957 | -- | 39.92 | .59 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1968 | 11.25 | 32.24 | .47 | *60 | 1.01 | 1,320 | |
| 46-32 | Miller | Beaver Creek | Walton, Kans. | 1.2 | 1.2 | Aug. 1959 | -- | 6.08 | .028 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1968 | 9 | 2.87 | .013 | *60 | .3 | 392 | |

1/ Excludes area above Council Grove and Marion Lakes.
2/ Excludes 4,642 sq. mi. of watershed not contributed to runoff, 1,735 sq. mi. above Fort Supply Dam, and 25 sq. mi. surface area of Canton Reservoir.
3/ Includes 2.33 ac.-ft. above crest deposits.
4/ Water supply pool capacity. Reservoir has greater capacity at spillway crest elevation.
5/ Includes .39 ac.-ft. above crest deposits.
6/ Spillway eroded 2 ft.
* Estimated or assumed.

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ARKANSAS RIVER BASIN (GARDEN CITY TO TULSA) Middle Canadian, Lower Cimarron, and Salt Fork River Basins (Continued) | | | | | | | | | | |
| 46-33 | Roupp | Trib. Sand Creek | Hesston, Kans. | .49 | .49 | June 1950 | -- | 5.47 | .066 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1968 | 18.12 | 3.33 | .037 | *60 | .24 | 314 | |
| 46-34 | Mease | Trib. Medicine Lodge R. | Medicine Lodge, Kans. | 1.73 | 1.71 | Feb. 1961 | -- | 108.3 | .65 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1968 | 7.5 | 105.19 | .63 | *60 | .24 | 314 | |
| 46-35 | Berger Pond | Trib. Pawnee River | Jetmore, Kans. | 3 | 3 | Mar. 1952 | -- | 18.55 | .29 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1967 | 15.5 | 12.95 | .2 | *60 | .12 | 156 | |
| 46-36 | Paris | Trib. Wet Walnut Creek | Dighton, Kans. | 3.6 | 2.2 | Aug. 1940 | -- | 41.69 | .87 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1967 | 27 | 36.66 | .76 | *60 | .09 | 117 | |
| 46-37 | Siebert | Trib. Big Sandy | Meade, Kans. | .23 | .23 | Jan. 1952 | -- | 8 | 1.6 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June 1966 | 14.5 | 7.15 | 1.5 | 80 | .26 | 453 | |
| 46-38 | Hoop | Trib. Crooked Creek | -do- | 1.07 | .9 | May 1961 | -- | 4 | .19 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June 1966 | 5.2 | 3.76 | .19 | 80 | .06 | 104 | |
| 46-39 | Harris | -do- | -do- | 7.57 | 4.75 | Oct. 1962 | -- | 161.4 | 1.1 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June 1966 | 3.7 | 160.8 | 1.1 | *70 | .04 | 61 | |
| 46-40 | Whitford | Trib. Hackberry Creek | Ashland, Kans. | 1.98 | 1.97 | May 1947 | -- | 14.2 | .22 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1966 | 19.2 | 8.2 | .14 | 75 | .15 | 245 | |
| 46-41 | Davis | Pawnee | Kalvesta, Kans. | 2.4 | 2.37 | Jan. 1951 | -- | 104.82 | 3.28 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1967 | 16.75 | 97.94 | 3.06 | *60 | .17 | 222 | |
| 46-42 | Lippoldt | Trib. Pawnee River | Jetmore, Kans. | 1.83 | 1.82 | Dec. 1952 | -- | 1/30.5 | .78 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1967 | 14.75 | 27.74 | .71 | *60 | .1 | 131 | |
| 46-43 | Sebes Pond | -do- | -do- | 1.2 | 1.2 | July 1956 | -- | 5.6 | .22 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1967 | 11.13 | 4.34 | .17 | *60 | .09 | 117 | |
| 46-44 | Fry | Trib. Arkansas River | Little River, Kans. | 1.07 | 1.07 | Aug. 1949 | -- | 4.13 | .06 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1968 | 19 | 1.37 | .02 | *60 | .14 | 183 | |
| 46-45 | Barber | -do- | Raymond, Kans. | .57 | .57 | June 1962 | -- | 21.5 | .6 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June 1968 | 6.2 | 17.97 | .5 | *70 | 1 | 1,525 | |
| 46-46 | Coberly | Trib. Buffalo Creek | Dighton, Kans. | 2.1 | 2.1 | Aug. 1946 | -- | 18 | .65 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1967 | 21 | 12.93 | .48 | *60 | .11 | 143 | |
| 46-47 | Smith Pond | Trib. Pawnee River | Jetmore, Kans. | .3 | .3 | Dec. 1951 | -- | 5.93 | .93 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1967 | 15.75 | 3.56 | .59 | *60 | .5 | 653 | |
| 46-48 | Seltman | Trib. Walnut Creek | Rush Center, Kans. | 1.63 | 1.61 | Oct. 1958 | -- | 26.07 | .43 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1967 | 8.8 | 22.23 | .37 | *60 | .27 | 352 | |
| 46-49 | Rayl | Trib. Slate Creek | Wellington, Kans. | .56 | .56 | -- 1949 | -- | 5.44 | .05 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1967 | 18 | 2.96 | .03 | *60 | .25 | 326 | |
| 46-50 | Lange | -do- | Conway Spr., Kans. | .31 | .31 | -- 1956 | -- | 8.11 | .14 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1967 | 11 | 5.37 | .09 | *60 | .81 | 1,058 | |
| 46-51 | Brodie | Spring Creek | Ashland, Kans. | 2.17 | 2 | June 1951 | -- | 31.2 | .36 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1966 | 15.1 | 29 | .33 | *70 | .07 | 107 | |
| 46-52 | Glen | Trib. Little Sandy Cr. | -do- | .95 | .93 | Nov. 1958 | -- | 57.1 | 1.88 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1966 | 7.75 | 54.5 | 1.79 | *60 | .35 | 457 | |
| 46-53 | Issac | Trib. Big Sandy | Meade, Kans. | .82 | .52 | Jan. 1952 | -- | 6.65 | .38 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June 1966 | 14.5 | 4.8 | .27 | 75 | .25 | 408 | |
| 46-54 | Fox | Trib. Bluff Creek | Ashland, Kans. | 2.18 | 2.17 | July 1954 | -- | 10 | .11 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1966 | 12 | 7.3 | .08 | *65 | .11 | 156 | |
| 46-55 | Uncle John Site No. 7 | Uncle John | El Reno, Okla. | 9.58 | 9.05 | May 1968 | -- | 3,649.5 | 2.38 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1973 | 5.36 | 3,623.4 | 2.36 | -- | .54 | 735 | |
| 46-56 | Upper Black Bear #64 | Upper Black Bear | Perry, Okla. | 2.26 | 2.16 | May 1968 | -- | 696.2 | 1.65 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1972 | 4.12 | 678.97 | 1.61 | -- | 1.94 | 2,734 | |
| | | | ARKANSAS RIVER BASIN (LAMAR TO GARDEN CITY) Upper Cimarron and Upper Canadian River Basins | | | | | | | | | | |
| 47-1b | Conchas Reservoir | Canadian and Conchas | Conchas Dam, N. M. | 7,409 | 6,976 | Jan. 1939 | -- | 601,112 | 3.13 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | May 1940 | 1.4 | 599,712 | 3.12 | 75.7 | -- | -- | |
| | -do- | -do- | -do- | -- | -- | June 1942 | 2.1 | 585,112 | 3.04 | 75.7 | .996 | 1,643 | |
| | -do- | -do- | -do- | -- | -- | Nov. 1942 | .4 | 581,112 | 3.02 | 75.7 | -- | -- | |
| | -do- | -do- | -do- | -- | -- | Oct. 1944 | 1.9 | 576,756 | 3 | 75.7 | .328 | 541 | |
| | -do- | -do- | -do- | -- | -- | Feb. 1949 | 4.3 | 566,163 | 2.95 | *75.7 | .353 | 581 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1963 | 14.7 | 550,799 | 2.87 | *75.7 | .15 | 247 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1970 | 6.92 | 528,951 | 2.75 | 75.7 | .453 | 746 | |
| 47-2 | Reservoir No. 2 | (Offstream) | Maxwell, N. Mex. | -- | -- | -- 1912 | -- | 3,010 | -- | -- | -- | -- | BR |
| | -do- | -do- | -do- | -- | -- | -- 1946 | 34 | 1,836 | -- | -- | -- | -- | |
| 47-3 | Reservoir No. 7 & 8 | -do- | -do- | -- | -- | -- 1912 | -- | 2/1,064 | -- | -- | -- | -- | BR |
| | -do- | -do- | -do- | -- | -- | -- 1946 | 34 | 2,063 | -- | -- | -- | -- | |
| 47-4 | Reservoir No. 11 | -do- | -do- | -- | -- | -- 1912 | -- | 3/1,004 | -- | -- | -- | -- | BR |
| | -do- | -do- | -do- | -- | -- | -- 1946 | 34 | 637 | -- | -- | -- | -- | |
| 47-5 | Reservoir No. 12 | -do- | -do- | -- | -- | -- 1912 | -- | 4/2,260 | -- | -- | -- | -- | BR |
| | -do- | -do- | -do- | -- | -- | -- 1946 | 34 | 1,822 | -- | -- | -- | -- | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47-6 | Reservoir No. 13 | -do- | -do- | -- | -- | -- | 1912 | -- | 5/2,236 | -- | -- | -- | -- | BR |
| | -do- | -do- | -do- | -- | -- | -- | 1946 | 34 | 1,628 | -- | -- | -- | -- | |
| 47-7 | Reservoir No. 14 | -do- | -do- | -- | -- | -- | 1912 | -- | 6/816 | -- | -- | -- | -- | BR |
| | -do- | -do- | -do- | -- | -- | -- | 1946 | 34 | 680 | -- | -- | -- | -- | |
| 47-8 | Boles | Cimarron | Liberal, Kans. | .36 | .36 | Mar. | 1962 | -- | 9.16 | 1.9 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June | 1966 | 4.25 | 8.98 | 1.9 | *65 | .12 | 170 | |
| 47-9 | Gregory | Trib. Arkansas River | Syracuse, Kans. | 6.5 | 6.5 | Apr. | 1951 | -- | 62.2 | 1.79 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June | 1967 | 16.5 | 50.83 | 1.5 | 70 | .11 | 167 | |
| 47-10 | Lahey | Trib. Cimarron | Moscow, Kans. | 2.78 | 2.75 | Oct. | 1960 | -- | 135.6 | 4.6 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June | 1966 | 5.7 | 133.8 | 4.5 | *50 | .11 | 120 | |
| 47-11 | Hartshorn | Trib. Little Bear Creek | Syracuse, Kans. | 1.9 | 1.89 | Mar. | 1950 | -- | 14.6 | .72 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June | 1966 | 16.25 | 8.75 | .43 | *75 | .19 | 310 | |
| 47-12 | Christian | Trib. Cimarron | Ulysses, Kans. | 1.06 | 1.06 | June | 1961 | -- | 4.5 | .4 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June | 1966 | 5 | 3.75 | .33 | *75 | .14 | 229 | |
| 47-13 | Downing | -do- | Moscow, Kans. | .47 | .46 | Aug. | 1961 | -- | 31.8 | 6.4 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June | 1966 | 4.8 | 31.2 | 6.2 | 65 | .28 | 396 | |
| 47-14 | Amerine | Trib. Little Bear Creek | Syracuse, Kans. | 3.42 | 3.4 | Mar. | 1953 | -- | 128 | 3.5 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June | 1966 | 13.3 | 119 | 3.3 | *75 | .2 | 327 | |
| 47-15 | Roy Kurz | Shirley | -do- | 8.91 | 8.91 | Apr. | 1951 | -- | 92.7 | 1.97 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June | 1967 | 16.5 | 78.2 | 1.65 | *70 | .1 | 152 | |
| 47-16 | Tramperos Cr. Wshd. Site 2 | Tramperos Creek | Clapham, N. Mex. | 10.7 | 10.6 | Jan. | 1961 | -- | 635 | 5.56 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June | 1972 | 11.5 | 621.46 | 5.45 | -- | .11 | -- | |

RIO GRANDE BASIN (ABOVE ESPANOLA) AND ARKANSAS RIVER BASIN

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48-1e | John Martin Res. (formerly Caddoa Res. Proj.) | Arkansas River | Hasty, Colo. | 7/18,915 | 18,102 | Apr. | 1942 | -- | 701,775 | 2.47 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | July | 1942 | .3 | 690,345 | 2.43 | *75.7 | -- | -- | |
| | -do- | -do- | -do- | -- | -- | Dec. | 1943 | 1.4 | 688,550 | 2.43 | *75.7 | .075 | 124 | |
| | -do- | -do- | -do- | -- | -- | Sept | 1944 | .7 | 683,257 | 2.41 | *75.7 | .443 | 730 | |
| | -do- | -do- | -do- | -- | -- | May | 1948 | 3.7 | 675,097 | 2.38 | *75.7 | .129 | 213 | |
| | -do- | -do- | -do- | -- | -- | Oct. | 1951 | 3.4 | 662,870 | 2.34 | *75.7 | .21 | 346 | |
| | -do- | -do- | -do- | -- | -- | Aug. | 1957 | 5.7 | 645,512 | 2.28 | *75.7 | .178 | 293 | |
| | -do- | -do- | -do- | -- | -- | Mar. | 1962 | 4.6 | 642,390 | 2.26 | *75.7 | .0398 | 66 | |
| | -do- | -do- | -do- | -- | -- | Sept | 1966 | 4.5 | 631,121 | 2.22 | *75.7 | .147 | 242 | |
| | -do- | -do- | -do- | -- | -- | Aug. | 1968 | 1.9 | 618,668 | 2.18 | *75.7 | .362 | 597 | |
| | -do- | -do- | -do- | -- | -- | Mar. | 1972 | 3.7 | 8/621,326 | 2.19 | *75.7 | 8/-.0397 | 8/-65 | |
| 48-2 | Brown Reservoir No. 1 | Van Bremer Arroyo | Trinidad, Colo. | 74.6 | 74.4 | -- | 1900 | -- | 758 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Nov. | 1939 | 39 | 82 | -- | 89.07 | .233 | 452 | |
| 48-3 | Muddy Creek | Muddy Cr., Johnny Cr. | Caddoa, Colo. | 154.2 | 152.4 | Fall | 1919 | -- | 16,918 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Dec. | 1939 | 20 | 15,287 | -- | 75.25 | .535 | 877 | |
| 48-4 | Horse Creek 9/ | Horse Creek | Ordway, Colo. | 52.01 | 47.44 | Nov. | 1900 | -- | 36,203 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Apr. | 1940 | 39.4 | 30,738 | -- | 68.36 | 10/.241 | 11/1,515 | |
| 48-5 | Teller | Turkey Creek | Pueblo, Colo. | 78.8 | 78.5 | Mar. | 1911 | -- | 4,005 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Feb. | 1940 | 28.9 | 2,463 | -- | 75.4 | .68 | 1,117 | |
| 48-6 | Cucharas | Cucharas River | Walsenburg, Colo. | 608 | 608 | -- | 1912 | -- | 38,274 | -- | -- | -- | -- | BR |
| | -do- | -do- | -do- | -- | -- | -- | 1937 | 25 | 25,020 | -- | -- | .87 | -- | |
| | -do- | -do- | -do- | -- | -- | -- | 1939 | 2 | 23,040 | -- | -- | 1.63 | -- | |
| 48-7a | S-1 Big Sandy Cr. Wshd. | Big Sandy Creek | Peyton, Colo. | 4.71 | 4.64 | May | 1962 | -- | 326.1 | 1.9 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July | 1965 | 3.1 | 302.1 | 1.7 | -- | 1.67 | -- | |
| | -do- | -do- | -do- | -- | -- | Feb. | 1974 | 8.6 | 12/303.9 | 1.7 | -- | .05 | -- | |
| 48-8a | Abiquiu Reservoir | Rio Chama | Abiquiu, N. Mex. | 2,146 | 12/1,254 | Apr. | 1963 | -- | 579,039 | 1.84 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Oct. | 1967 | 4.58 | 572,695 | 1.82 | *75.7 | 1.10 | 1,814 | |
| | -do- | -do- | -do- | -- | -- | Sept | 1972 | 4.92 | 570,700 | 1.91 | 65.8 | .32 | 242 | |
| | -do- | -do- | -do- | -- | -- | Aug. | 1973 | .92 | 569,500 | 1.81 | 65.8 | 1.04 | 1,490 | |
| 48-9 | Hardesty Reservoir | Hungerford Hollow | Fowler, Colo. | 13.48 | 13.34 | -- | 1908 | -- | 563 | *3.9 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Mar. | 1968 | 60 | 527 | *3.7 | -- | 14/.045 | -- | |
| 48-10 | FPC-1 Fishers Peak (Carbon Arroyos Wshd.) | Fisher Peak Arroyo | Trinidad, Colo. | 1.14 | 1.12 | Oct. | 1963 | -- | 346.3 | 8.1 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Feb. | 1971 | 7.3 | 333.4 | 7.8 | -- | 1.58 | -- | |

RED RIVER BASIN (DENISON TO GRAND ECORE)
Little and Sulphur River Basins

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49-1a | Lake Crook | Pine Creek | Paris, Tex. | 51.6 | 49.6 | Feb. | 1923 | -- | 11,487 | .418 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Mar. | 1936 | 13.1 | 10,755 | .391 | -- | 1.13 | -- | |
| | -do- | -do- | -do- | -- | -- | July | 1956 | 19.7 | 9,964 | .362 | 36.4 | .81 | 642 | |
| 49-2a | Lake Gibbons | Trib. of Pine Creek | -do- | 1.46 | 1.26 | -- | 1900 | -- | 15/1,394 | 1.792 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Mar. | 1936 | 36 | 1,324 | 1.702 | -- | 1.54 | -- | |
| | -do- | -do- | -do- | -- | -- | July | 1956 | 20.3 | 1,285 | 1.652 | 31.5 | 1.52 | 1,043 | |
| 49-3 | Nashville | Mine Creek | Nashville, Ark. | 10.4 | 10.3 | Mar. | 1931 | -- | 181 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July | 1941 | 10.3 | 128 | -- | -- | .5 | -- | |

1/ Capacity based on surface area x 1/3 deepest fill.
2/ During the period 1912-46, a total of 2,435 ac.-ft. capacity was added by reservoir enlargement.
3/ During the period 1912-46, a total of 126 ac.-ft. capacity was added by reservoir enlargement.
4/ During the period 1912-46, a total of 672 ac.-ft. capacity was added by reservoir enlargement.
5/ During the period 1912-46, a total of 490 ac.-ft. capacity was added by reservoir enlargement.
6/ During the period 1912-46, a total of 264 ac.-ft. capacity was added by reservoir enlargement.
7/ Drainage area adjusted to conform with U.S.G.S. published drainage area.
8/ Gain due to inward erosion.
9/ Off channel reservoir.
10/ Excludes water and sediment diverted from Arkansas River & Horse Creek.
11/ Per 100 ac.-ft. of water diverted from Arkansas R. and Horse Cr. Total of 364,918 ac.-ft. diverted to reservoir between 1910 and 1939.
12/ 3.9 ac.-ft. additional storage provided from borrow excavation in floodwater pool in 1966.
13/ Adjusted for 873 sq. mi. El Vando Reservoir drainage area.
14/ Little deposition due to dam washout, 1930-47. True sediment accumulation rate for 43-yr. period was about 0.063 ac.-ft./mi²-yr.
15/ Spillway crest was lowered 3 ft. in 1932; capacities are based on present elevation.
* Estimated or assumed.

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | RED RIVER BASIN (DENISON TO GRAND ECORE) Little and Sulphur River Basins (Continued) | | | | | | | | |
| 49-4 | Jenkins Pond | Trib. of Lewis Creek | Mansfield, La. | .35 | .32 | Sept 1925 | -- | 157 | .561 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1954 | 29 | 150 | .536 | 68.6 | .78 | 1,165 | |
| 49-5 | Gordon Country Club Lake | Ands Creek | Paris, Tex. | 1.41 | 1.3 | -- | 1898 | -- | 558 | .742 | -- | -- | SCS |
| | do | do | do | -- | -- | June 1959 | 61 | 480 | .572 | 33.14 | 1.62 | 1,169 | |
| 49-6a | Bayou Bodcau | Bayou Bodcau River | Cotton Valley, La. | 683 | 613 | Nov. 1949 | -- | 967,900 | 2.62 | -- | -- | -- | CE |
| | do | do | do | -- | -- | May 1961 | 11.5 | 967,900 | 2.62 | -- | -- | -- | |
| | do | do | do | -- | -- | Apr. 1972 | 11.9 | 967,900 | 2.62 | -- | -- | -- | |
| 49-7a | Lake Texarkana | Sulphur River | Texarkana, Tex. | 3,400 | 3,213 | Sept 1954 | -- | 2,654,300 | .13 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Aug. 1958 | 3.92 | 2,654,300 | .13 | -- | -- | -- | |
| | do | do | do | -- | -- | July 1970 | 12 | 2,654,300 | .13 | -- | -- | -- | |
| 49-8a | Wallace Lake | Cypress Bayou | Shreveport, La. | 260 | 246 | Dec. 1946 | -- | 96,100 | .557 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Oct. 1951 | 4.8 | 96,100 | .557 | -- | -- | -- | |
| | do | do | do | -- | -- | Apr. 1961 | 9.5 | 96,100 | .557 | -- | -- | -- | |
| | do | do | do | -- | -- | May 1971 | 10.08 | 96,100 | .557 | -- | -- | -- | |
| | do | do | do | -- | -- | Apr. 1972 | .92 | 96,100 | .557 | -- | 1/-- | 1/-- | |
| 49-9 | Century Lake | Sulphur River | Sulphur Spr., Tex. | 52.5 | 51.46 | -- | 1953 | -- | 3,495.2 | .125 | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1962 | 9 | 2,787.9 | .1 | *85 | 1.53 | 2,832 | |
| 49-10 | Lake O' the Pines (Ferrell's Bridge) | Cypress Creek | Jefferson, Tex. | 880 | 790 | Dec. 1959 | -- | 842,100 | 1.74 | -- | -- | -- | CE |
| | do | do | do | -- | -- | Apr. 1966 | 6.4 | 842,100 | 1.74 | -- | -- | -- | |
| | do | do | do | -- | -- | Apr. 1973 | 7 | 842,100 | 1.74 | -- | -- | -- | |
| | do | do | do | -- | -- | Mar. 1974 | .9 | 842,100 | 1.74 | -- | -- | -- | |
| 49-11 | Logan-Slough Wshd. Site 2 | Trib. Slough Creek | Direct, Tex. | .65 | .58 | Oct. 1966 | -- | 342.43 | .99 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1973 | 6.9 | 336.43 | .97 | -- | 1.55 | 2,663 | |
| 49-12 | Wister Lake | Poteau River | Wister, Okla. | 993 | 957 | Oct. 1949* | -- | 429,003 | .54 | -- | -- | -- | CE |
| | do | do | do | -- | -- | July 1972 | 22.75 | 427,888 | .54 | 66.3 | .051 | 74 | |
| | | | | | RED RIVER BASIN (ABOVE DENISON) | | | | | | | | |
| 50-1 | Ardmore Club Lake | Caddo Creek | Ardmore, Okla. | 4.15 | 3.91 | Dec. 1922 | -- | 1,797 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1938 | 15.5 | 1,644 | -- | 40.7 | 2.52 | 2,234 | |
| 50-2 | Byars Club Lake | Unnamed Stream | Byars, Okla. | 2.66 | 2.55 | -- | 1804 | -- | 507 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | -- | 1950 | 46 | 371 | -- | -- | 1.16 | |
| 50-3 | Carter Lake | Big Glasses Creek | Madill, Okla. | 1.81 | 1.7 | -- | 1936 | -- | 865 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. 1949 | 13 | 837 | -- | -- | 1.26 | -- | |
| 50-4 | J. J. Harrison Lake | Trib. of Washita River | Lindsay, Okla. | .88 | .81 | Feb. 1932 | -- | 349 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Mar. 1950 | 18 | 282 | -- | -- | 4.59 | -- | |
| 50-5 | C. W. Lester Farm Pd. #1 | Trib. Broken Leg Creek | Cheyenne, Okla. | 2.04 | 2.03 | -- | 1945 | -- | 42.4 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1949 | 4 | 22.8 | -- | -- | 2.41 | -- | |
| 50-6 | C. W. Lester Farm Pd. #2 | do | do | .64 | .63 | June 1944 | -- | 16.9 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1949 | 5 | 21.1 | -- | -- | 1.62 | -- | |
| 50-7 | Santa Rosa Lake | Beaver Creek | Vernon, Tex. | 336 | 334 | Oct. 1929 | -- | 15,755 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Jan. 1948 | 18.2 | 11,568 | -- | -- | .689 | -- | |
| 50-8 | Lake Duncan | Fitzpatrick Creek | Duncan, Okla. | 11 | 10.4 | Oct. 1937 | -- | 6,291 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1950 | 12.8 | 5,783 | -- | 63.4 | 3.82 | 5,275 | |
| 50-9 | Lake Clinton | Turkey Creek | Canute, Okla. | 23.6 | 23.1 | Dec. 1930 | -- | 4,415 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1938 | 7.4 | 3,981 | -- | 63.36 | 2.54 | 3,505 | |
| | do | do | do | -- | -- | Nov. 1950 | 12.4 | 3,343 | -- | 65.9 | 2.23 | 3,201 | |
| 50-10 | Bellevue | Clay Creek | Bellevue, Tex. | *1.5 | 1.44 | -- | 1888 | -- | 131 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1938 | 50 | 85 | -- | -- | .64 | -- | |
| 50-11c | Altus Reservoir | North Fork Red River | Altus, Okla. | 2,515 | 2,104 | 2/Dec. 1940 | -- | 192,842 | -- | -- | -- | -- | BR |
| | do | do | do | -- | -- | June 1948 | 7.5 | 185,095 | -- | 52.3 | .495 | 564 | |
| | do | do | do | -- | -- | July 1953 | 5.1 | 178,610 | 1.74 | 66.9 | .599 | 1,104 | |
| | do | do | do | -- | -- | Apr. 1967 | 13.8 | 168,117 | 1.61 | 70.2 | .361 | 588 | |
| 50-12b | Lake Texoma (Denison D.) | Red River | Denison, Tex. | 39,719 | 28,925 | July 1942 | -- | 5,859,000 | -- | -- | -- | -- | CE |
| | do | do | do | -- | -- | Oct. 1948 | 6.2 | 5,718,000 | -- | 52.1 | .785 | 891 | |
| | do | do | do | -- | -- | June 1954 | 5.7 | 5,553,000 | -- | 57.9 | 1 | 1,261 | |
| | do | do | do | -- | -- | Mar. 1962 | 7.8 | 5,392,900 | -- | 62.5 | .709 | 965 | |
| 50-13 | Barbour Pond | Trib. Little Washita R. | Chickasha, Okla. | .68 | .67 | Sept 1935 | -- | 59.9 | .512 | --- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1955 | 19.7 | 41.8 | .357 | *75 | 1.37 | 2,238 | |
| 50-14b | Cavalry Creek Site No. 1 | Washita | Cordell, Okla. | 2.19 | 2.11 | July 1948 | -- | 505.4 | 3.05 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Sept 1959 | 11.15 | 476.6 | 2.87 | 74.5 | 1.22 | 1,979 | |
| | do | do | do | -- | -- | Aug. 1964 | 4.89 | 471.8 | 2.84 | 74.5 | .46 | 751 | |
| | do | do | do | -- | -- | June 1969 | 4.85 | 458.8 | 2.77 | -- | 1.27 | 2,023 | |
| | do | do | do | -- | -- | June 1974 | 5.02 | 436.1 | 2.63 | -- | 2.14 | 3,135 | |
| 50-15a | Chigley Sandy Site No. 5 | Chigley Sandy | Wynnewood, Okla. | .81 | .79 | June 1955 | -- | 283.67 | 1.41 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1959 | 4.12 | 258.74 | 1.384 | 60.3 | 1.52 | 1,996 | |
| | do | do | do | -- | -- | Oct. 1963 | 4.15 | 248.2 | 1.327 | 60.3 | 3.22 | 4,229 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50-16 | Coit Pond No. 1--------- | Unnamed---------- | Clinton, Okla.---- | .39 | .38 | Mar. | 1947 | -- | 25.69 | .706 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1957 | 10.28 | 21.53 | .591 | 61.49 | 1.07 | 1,433 | |
| 50-17 | Dean Pond No. 1--------- | Trib. Nine Mile Creek-- | Cheyenne, Okla.--- | .0359 | .0354 | Spr. | 1944 | -- | 1.078 | .469 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. | 1955 | 11 | .807 | .351 | 91 | .69 | 1,368 | |
| 50-18 | Dean Pond No. 2--------- | -----do---------- | -----do---------- | .164 | .161 | Spr. | 1941 | -- | 15.8 | 1.505 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. | 1955 | 14 | 13.4 | 1.276 | 88 | 1.06 | 2,032 | |
| 50-19 | George Pond------------ | Unnamed---------- | Canadian, Tex.---- | .535 | .535 | June | 1952 | -- | 15.197 | .407 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. | 1958 | 5.796 | 13.463 | .361 | 70.95 | .559 | 864 | |
| 50-20 | Hall Pond No. 1--------- | -----do---------- | Leedey, Okla.----- | .2 | .2 | May | 1939 | -- | 17.59 | .239 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. | 1957 | 18.25 | 13.47 | .183 | *70.2 | 1.15 | 1,758 | |
| 50-21 | Harrison No. 1---------- | -----do---------- | Canadian, Tex.---- | .237 | .237 | May | 1952 | -- | 22.163 | .594 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. | 1958 | 5.93 | 21.706 | .581 | 79.68 | .325 | 564 | |
| 50-22 | Harrison No. 2---------- | -----do---------- | -----do---------- | .292 | .292 | Sept | 1951 | -- | 15.655 | .419 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. | 1958 | 6.59 | 14.242 | .382 | 68.53 | .733 | 1,094 | |
| 50-23 | Lake Kemp--------------- | Wichita River---------- | Seymour, Tex.----- | 2,099 | 2,067 | Oct. | 1922 | -- | 560,000 | 2.493 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1958 | 36 | 461,757 | 2.056 | -- | 1.32 | -- | |
| 50-24b | Mill Creek Site #17----- | Mill Creek------------ | Sulphur, Okla.---- | 1.61 | 1.51 | Dec. | 1948 | -- | 498.4 | 1.06 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1959 | 10.63 | 492.1 | 1.04 | 70 | .4 | 610 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. | 1966 | 7.06 | 487.1 | 1.03 | -- | .5 | 487 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May | 1972 | 5.78 | 470.4 | 1 | -- | 1.9 | 3,351 | |
| 50-25 | Muncrief Farm Pond------ | Trib. of Sandy Creek--- | Wynnewood, Okla.-- | .031 | .029 | Aug. | 1935 | -- | 8.71 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. | 1957 | 22.22 | 7.968 | -- | *60 | 1.15 | 1,503 | |
| 50-26a | Cobb Creek No.3--------- | Washita---------- | Weathertora, Okla. | 8.28 | 8.18 | Jan. | 1957 | -- | 2,401.1 | 2.72 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. | 1960 | 3.58 | 2,303.3 | 2.61 | 90 | 3.34 | 6,547 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1964 | 4.14 | 2,277.3 | 2.58 | 90 | .77 | 1,509 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. | 1970 | 5.81 | 2,218.1 | 2.51 | *91 | 1.24 | 2,563 | |
| 50-27b | Sandstone Site No. 1---- | -----do---------- | Hammon, Okla.----- | 5.33 | 5.22 | May | 1951 | -- | 1,591.29 | 4.67 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. | 1956 | 4.96 | 1,453.69 | 4.26 | 61.49 | 5.31 | 7,111 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May | 1960 | 4.06 | 1,380.47 | 4.05 | 83.11 | 3.46 | 6,263 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. | 1965 | 5.02 | 1,344.75 | 3.94 | 83.11 | 1.36 | 2,462 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1970 | 4.92 | 1,338.82 | 3.93 | *83 | .23 | 360 | |
| 50-28c | Sandstone Site No. 3---- | Trib. of Sandstone----- | Elk City, Okla.--- | .62 | .6 | Apr. | 1951 | -- | 157.7 | 4.34 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1956 | 5.47 | 148.4 | 4.08 | 70 | 2.83 | 4,314 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1961 | 5 | .4 | 3.85 | 73 | 2.8 | 4,841 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1966 | 4.8 | 125.6 | 3.5 | -- | 5 | 7,919 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. | 1971 | 5.13 | 123.2 | 3.39 | -- | .78 | 1,710 | |
| 50-29a | Sandstone Site No. 8---- | Washita---------- | -----do---------- | 3.89 | 3.84 | Mar. | 1951 | -- | 1,273.21 | 4.45 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1957 | 6.39 | 1,217.58 | 4.26 | 95.7 | 2.27 | 4,731 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1961 | 4.19 | 1,152.23 | 4.03 | -- | 4.06 | 5,501 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1966 | 4.81 | 1,127.06 | 3.94 | *80 | 1.36 | 1,980 | |
| 50-30c | Sandstone Site No. 6---- | Sandstone-------------- | -----do---------- | 6.46 | 5.08 | Apr. | 1951 | -- | 1,956.1 | 4.11 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1962 | 11.53 | 1,813.2 | 3.81 | 71 | 2.4 | 3,773 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1967 | 4.96 | 1,806.2 | 3.8 | -- | .3 | 703 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June | 1972 | 4.75 | 1,791 | 3.77 | -- | .6 | 998 | |
| 50-31a | Sandstone Site No. 9---- | -----do---------- | -----do---------- | 3.5 | 3.46 | Mar. | 1951 | -- | 1,275.09 | 4.94 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1957 | 6.58 | 1,217.59 | 4.72 | 75.78 | 2.52 | 4,160 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1962 | 5 | 1,178.72 | 4.57 | 79.4 | 2.2 | 4,148 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1967 | 4.93 | 1,175.25 | 4.56 | *80 | .2 | 436 | |
| 50-32c | Sandstone Site No. 10A-- | Washita---------- | -----do---------- | 2.87 | 2.75 | Apr. | 1951 | -- | 1,046 | 6.21 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1956 | 5.5 | 1,018.8 | 6.05 | 79 | 1.8 | 3,097 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1961 | 4.9 | 943.9 | 5.06 | 83 | 5.55 | 10,224 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1966 | 4.8 | 888 | 5.27 | -- | 4.23 | 5,744 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June | 1972 | 5.9 | 877.1 | 5.21 | -- | .67 | 1,795 | |
| 50-33b | Sandstone Site No. 14--- | -----do---------- | -----do---------- | 1.02 | 1 | Sept | 1951 | -- | 315.15 | 4.85 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May | 1960 | 8.68 | 288.09 | 4.43 | 93.08 | 3.12 | 5,320 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. | 1965 | 5.25 | 286.79 | 4.4 | 68.1 | .25 | 371 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1970 | 4.98 | 275.82 | 4.24 | *75 | 2.2 | 3,611 | |
| 50-34c | Sandstone Site No. 16--- | Trib. Sandstone-------- | -----do---------- | 11.47 | 11.28 | Aug. | 1952 | -- | 4,463.4 | 7.29 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1957 | 4.92 | 4,294.5 | 7.02 | 78 | 3.1 | 5,267 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1961 | 4.21 | 4,164.9 | 6.81 | 75 | 2.78 | 4,305 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. | 1966 | 4.86 | 4,038.3 | 6.6 | -- | 2.35 | 2,464 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1971 | 4.93 | 4,011.3 | 6.56 | -- | .49 | 926 | |
| 50-35c | Sandstone Site No. 16A-- | -----do---------- | Cheyenne, Okla.--- | 8.78 | 5.03 | Dec. | 1951 | -- | 2,065.9 | 4.41 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1956 | 4.82 | 2,033.9 | 4.35 | 81 | 1.32 | 2,311 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1961 | 4.88 | 1,987.9 | 4.25 | 80 | 1.87 | 3,260 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. | 1966 | 4.86 | 1,979.5 | 4.23 | -- | .34 | 580 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. | 1971 | 5.06 | 1,939.9 | 4.14 | -- | 1.56 | 3,673 | |
| 50-36b | Sandstone Site No. 17--- | Currant Creek---------- | -----do---------- | 10.13 | 10.04 | Aug. | 1951 | -- | 3,584.9 | 5.53 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1956 | 5.13 | 3,465.8 | 5.35 | 70.4 | 2.31 | 3,540 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1960 | 4.04 | 3,322.4 | 5.13 | 59 | 3.53 | 5,418 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. | 1965 | 4.79 | 3,292.7 | 5.08 | 59 | .62 | 797 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June | 1970 | 4.91 | 3,276 | 5.06 | *60 | .34 | 526 | |
| 50-37a | Sandstone Site No. 22--- | Sandstone-------------- | -----do---------- | 2.25 | 2.2 | Aug. | 1951 | -- | 970.7 | 6.14 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1957 | 6.16 | 942.12 | 5.97 | 81.53 | 2.08 | 3,694 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1962 | 5 | 913.51 | 5.78 | 79.4 | 2.64 | 4,445 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1967 | 4.96 | 873.9 | 5.63 | *83 | 3.63 | 7,036 | |
| 50-38 | Stickley Pond No. 4----- | Canadian River--------- | Canadian, Tex.---- | .171 | .171 | Jan. | 1947 | -- | 15.794 | .329 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. | 1958 | 11.266 | 13.943 | .29 | 77.65 | .959 | 1,622 | |
| 50-39 | Stickley Pond No. 6----- | -----do---------- | -----do---------- | .162 | .162 | Oct. | 1945 | -- | 21.035 | .438 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. | 1958 | 12.564 | 16.627 | .346 | 85.34 | 2.167 | 4,028 | |
| 50-40 | Wheeler Farm Pond------- | -----do---------- | -----do---------- | .205 | .205 | Dec. | 1944 | -- | 7.353 | .197 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. | 1958 | 13.33 | 6.673 | .179 | 82.73 | .249 | 449 | |

1/ No appreciable sedimentation.
2/ Date of original survey for new dam over deposits placed behind old dam.

* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | | | | RED RIVER BASIN (ABOVE DENISON) (Continued) | | | | | | | |
| 50-41c | Whiteshield Cr. Site #4- | Washita---------- | Elk City, Okla.--- | .62 | .58 | Jan. 1949 | -- | 223.4 | 4.33 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | 10.7 | 207.7 | 4.02 | 75.68 | 2.52 | 4,151 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1964 | 4.91 | 199.6 | 3.87 | 75.68 | 2.83 | 4,667 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1969 | 4.85 | 179.9 | 3.49 | -- | 6.97 | 11,564 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1974 | 5.01 | 162.3 | 3.15 | -- | 6.03 | 12,499 | |
| 50-42c | Wildhorse No. 1--------- | Wildhorse---------- | Davis, Okla.------ | .97 | .92 | May 1949 | -- | 242.4 | 1.14 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1959 | 10.25 | 226.2 | 1.11 | 61 | .66 | 877 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1963 | 4.25 | 229.8 | 1.1 | 61 | .62 | 829 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1968 | 4.82 | 229.2 | 1.08 | -- | 1.02 | 1,026 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1973 | 4.93 | 226.7 | 1.07 | -- | .58 | 904 | |
| 50-43b | Wildhorse Creek No. 33-- | Trib. of Wildhorse----- | Duncan, Okla.----- | 1.77 | 1.67 | Mar. 1950 | -- | 586.6 | 1.78 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1960 | 10.5 | 565.6 | 1.71 | 85 | 1.19 | 2,203 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1965 | 4.95 | 548.7 | 1.66 | 74 | 2.04 | 2,690 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1971 | 5.06 | 520.5 | 1.58 | -- | 3.33 | 5,881 | |
| 50-44c | Owl Creek No. 1--------- | Owl Creek---------- | Wayne, Okla.------ | .61 | .56 | Apr. 1949 | -- | 206.2 | 1.49 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1959 | 10.32 | 200 | 1.44 | 85.5 | 1.1 | 1,569 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1963 | 4.12 | 194 | 1.4 | -- | 2.6 | 4,148 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1968 | 4.84 | 190.3 | 1.37 | -- | 1.4 | 1,962 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1973 | 5.01 | 181.5 | 1.31 | -- | 3.12 | 5,160 | |
| 50-45b | Chigley Sandy Site No. 4 | Washita---------- | Wynnewood, Okla.-- | 3.8 | 3.61 | Aug. 1955 | -- | 1,075.3 | 1.24 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1958 | 2.62 | 1,054.8 | 1.21 | 51.61 | 2.17 | 2,439 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1963 | 5.52 | 1,018 | 1.17 | 51.61 | 1.85 | 2,076 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1969 | 5.76 | 966.7 | 1.11 | -- | 2.47 | 3,267 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1974 | 4.87 | 948.4 | 1.09 | -- | 1.04 | 734 | |
| 50-46 | Flood Retarding Structure #2 Rush Cr. Wshd. | Rush Creek---------- | Rush Springs, Okla | 2.13 | 2.05 | Aug. 1959 | -- | 855.39 | 1.929 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1965 | 5.9 | 839.6 | 1.881 | 77.75 | 1.36 | 2,903 | |
| 50-47b | Barnitz No. 14---------- | Barnitz---------- | Clinton, Okla.---- | 4.22 | 4.01 | Nov. 1958 | -- | 1,723.2 | 4.34 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1963 | 4.85 | 1,545.9 | 4.18 | -- | 3.9 | 6,070 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1968 | 4.87 | 1,533.9 | 4.15 | -- | .6 | 883 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1973 | 4.82 | 1,506.7 | 4.08 | -- | 1.4 | 4,020 | |
| 50-48 | Sugar Creek Site No. 13- | Sugar Creek---------- | Hinton, Okla.----- | 1.99 | 1.93 | Feb. 1964 | -- | 582.17 | 2.137 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1965 | 1.7 | 503.79 | 2.023 | 82.27 | 8.65 | 15,499 | |
| 50-49a | Upper Washita Site #25-- | Gageby Creek---------- | Canadian, Tex.---- | 7.14 | 6.96 | Nov. 1961 | -- | 1,315.92 | 4.61 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1966 | 4.6 | 1,312.74 | 4.6 | 91.8 | 1/.1 | 1/200 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1974 | 8.18 | 1,287.45 | 4.51 | 91 | 1/.21 | 1/416 | |
| 50-50a | Kent Creek Wshd. Site #1 | Kent Creek---------- | Quitaque, Tex.---- | 1.52 | 1.46 | Apr. 1964 | -- | 625.8 | 15.44 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1966 | 2.1 | 617.15 | 15.23 | 81 | 1/2.67 | 1/3,547 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1974 | 8.2 | 541.21 | 13.35 | 66 | 1/6 | 1/8,697 | |
| 50-51 | Rush Creek No. 2-------- | Rush Creek---------- | Rush Springs, Okla. | 2.13 | 2.05 | Aug. 1959 | -- | 656 | 2.31 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1965 | 5.9 | 639.6 | 2.25 | 77.75 | 1.36 | 2,903 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1970 | 5.19 | 635.4 | 2.24 | *77 | .39 | 654 | |
| 50-52 | Saddle Mountain No. 2--- | Saddle Mountain Creek-- | Carnegie, Okla.--- | 3.43 | 3.37 | Apr. 1959 | -- | 771.2 | 2.11 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1965 | 6 | 2/-- | -- | 38 | 2/.47 | 2/389 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1970 | 5.26 | 751.4 | 2.05 | *80 | .53 | 734 | |
| 50-53 | Lake Nocona---------- | Farmers Creek---------- | Nocona, Tex.------- | 92.18 | 89.73 | Apr. 1961 | -- | 28,859.83 | 1.57 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1972 | 11.25 | 27,382.19 | 1.49 | 37 | 1.46 | 1,177 | |
| 50-54 | Rock Creek Site 6-------- | Trib. Rock Creek------- | Sulphur, Okla.----- | 4.54 | 4.39 | May 1966 | -- | 1,149.22 | 1.03 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1971 | 5.04 | 1,137.1 | 1.02 | -- | .55 | 631 | |
| 50-55 | Upper Washita Site 21--- | Gageby Creek---------- | Wheeler, Tex.------ | 16.94 | 16.46 | Jan. 1961 | -- | 3,703.4 | 4.1 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1972 | 11.3 | 3,675.17 | 4.07 | *58 | 1/.14 | 1/292 | |
| | | | | | | SABINE, NECHES, AND TRINITY RIVER BASINS | | | | | | | |
| 51-1 | Terrell City Lake-------- | Kings Creek---------- | Terrell, Tex.------ | 9.2 | 8.71 | Oct. 1921 | -- | 2,219 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1949 | 28.25 | 1,605 | -- | 59.2 | 2.49 | 3,211 | |
| 51-2 | Lower Beaton Lake------- | Trib. of Elm Creek----- | Corsicana, Tex.--- | .91 | .82 | -- | 1895* | -- | 319 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1949 | 54 | 205 | -- | -- | 2.57 | -- | |
| 51-3 | Burke Neck Lake--------- | -----do---------- | -----do---------- | .58 | .54 | -- | 1880 | -- | 181 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1949 | 69 | 92 | -- | -- | 2.39 | -- | |
| 51-4 | Lake Dallas------------- | Elm Fk. Trinity River-- | Denton, Tex.------ | 1,174 | 1,157 | Feb. 1928 | -- | 180,759 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1938 | 10.5 | 167,072 | -- | 53 | 1.13 | 1,304 | |
| 51-5 | Lake Halbert------------ | Elm Creek---------- | Corsicana, Tex.--- | 3/9.48 | 8.56 | -- | 1921 | -- | 8,012 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1949 | 28 | 6,657 | -- | 67.4 | 5.66 | 8,308 | |
| 51-6 | Magnolia L. (Red Horse)- | Trib. of Elm Creek----- | -----do---------- | .59 | .43 | -- | 1885 | -- | 756 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1949 | 64 | 659 | -- | -- | 3.53 | -- | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51-7 | Mountain Creek | Mountain Creek | Dallas, Tex. | 280 | 274.4 | Mar. 1937 | -- | 37,520 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1946 | 9.7 | 27,100 | -- | -- | 3.91 | -- | |
| 51-8b | White Rock Lake | White Rock Creek | -----do----- | 99.1 | 97.4 | Apr. 1910 | -- | 18,158 | .8 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1935 | 25 | 14,276 | .63 | 49 | 1.6 | 1,708 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. 1956 | 20.9 | 12,321 | .54 | 35 | .97 | 151 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1970 | 14.6 | 10,742 | .47 | 32 | 1.11 | 505 | |
| 51-9 | Grand Saline | Simmons Branch | Grand Saline, Tex. | 2.12 | 2.02 | Feb. 1925 | -- | 451 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1938 | 13.25 | 309 | -- | 38.7 | .62 | 601 | |
| 51-10 | T & P | Town Creek | Weatherford, Tex. | 6.24 | 6.18 | -- 1930 | -- | 370 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1938 | 8.5 | 328 | -- | 61 | .796 | 1,058 | |
| 51-11 | Lake Clark | Waxahachie Creek | Ennis, Tex. | 3.14 | 2.87 | -- 4/ | -- | 5/2,085 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Dec. 1950 | -- | 5/1,741 | -- | *50 | 5/2.6 | 2,881 | |
| 51-12 | Kemp City | Cedar Creek | Kemp, Tex. | 1.49 | 1.42 | June 1926 | -- | 376 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1939 | 12.8 | 235 | -- | -- | 4.29 | -- | |
| 51-13 | Variety Club Boys' Ranch Lake | Unnamed trib. | Bedford, Tex. | .3 | .29 | June 1942 | -- | 38 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1950 | 7.8 | 32 | -- | -- | 2.21 | -- | |
| 51-14 | Wills Point | Magbee Creek | Wills Point, Tex. | 1.89 | 1.75 | Sept 1914 | -- | 396 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1938 | 23.6 | 275 | -- | 60.1 | 2.93 | 3,835 | |
| 51-15 | Bridgeport | West Fork Trinity River | Bridgeport, Tex. | 1,051 | 1,033 | -- 1932 | -- | 6/292,000 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1943 | 10.8 | 283,240 | -- | -- | .765 | -- | |
| 51-16a | Eagle Mountain | -----do----- | Fort Worth, Tex. | 1,975 | 7/809 | Mar. 1934 | -- | 6/211,000 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. 1939 | 5 | 205,175 | -- | -- | 1.44 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1952 | 13 | 182,000 | -- | -- | 2.2 | -- | |
| 51-17 | Lake Erie | Unnamed trib. | -----do----- | 1.05 | 1.01 | -- 1899 | -- | 270 | -- | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1939 | 40 | 204 | -- | -- | 1.63 | -- | |
| 51-18 | Mabank City Lake | Trib. of Cedar Creek | Athens, Tex. | .36 | .33 | -- 1926 | -- | 295 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1939 | 13 | 271 | -- | -- | 5.51 | -- | |
| 51-19 | Wolf Creek | Wolf Creek | Palestine, Tex. | 2.5 | 2.5 | -- 1919 | -- | 222 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1939 | 20 | 199 | -- | -- | .46 | -- | |
| 51-20 | Elkins Lake | East Sandy Creek | Huntsville, Tex. | 3.18 | 3.05 | -- 1930 | -- | 856 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1950 | 20 | 812 | -- | -- | .72 | -- | |
| 51-21 | Murphy Lake | East Fork Trinity River | Crandall, Tex. | 4.09 | 3.98 | Oct. 1922 | -- | 197 | -- | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1939 | 16.5 | 138 | -- | *60 | 3.94 | 1,150 | |
| 51-22 | Loring Lake | Trib. Herrican Creek | Zwolle, La. | 1.05 | .95 | Sept 1929 | -- | 689 | .789 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1954 | 26 | 623 | .742 | 85.09 | 1.62 | [illegible] | |
| 51-23 | Kerens City Lake | Cow Creek | Kerens, Tex. | 6.42 | 6.28 | Sept [illegible] | -- | 630 | .237 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1954 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| 51-24 | Variety Club Lake | Trib. of Trinity River | Bedford, Tex. | .29 | .29 | July 1942 | -- | 38 | *.491 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | May 1950 | 7.8 | 33 | *.426 | -- | 2.21 | -- | |
| 51-25b | Clear Fk. Wshd. Site 10 | Trinity River | Weatherford, Tex. | 4.3 | 4.12 | Oct. 1955 | -- | 1,473.49 | 1.9 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1963 | 7.5 | 1,430.91 | 1.84 | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May 1968 | 5.1 | 1,411.04 | 1.82 | 86 | .92 | 1,682 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1973 | 5.1 | 1,403.27 | 1.81 | -- | .37 | 482 | |
| 51-26c | Honey Creek Site No. 11 | Honey Creek | McKinney, Tex. | 1.99 | 1.85 | Feb. 1952 | -- | 1,291 | 1.89 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1962 | 10.2 | 1,201.8 | 1.76 | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1967 | 5.3 | 1,186.7 | 1.74 | 51.9 | 1.48 | 2,056 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1972 | 4.7 | 1,156.1 | 1.7 | *52 | 3.51 | 3,975 | |
| 51-27c | Honey Creek Site No. 12 | Trib. E. Fork Trinity | -----do----- | 1.28 | 1.2 | Jan. 1952 | -- | 553.33 | 1.26 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1969 | 17.5 | 475.52 | 1.09 | 40.72 | 3.53 | 1,130 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1975 | 5.95 | 457.24 | 1.04 | -- | 2.56 | 2,219 | |
| 51-28a | Dawson City Lake | Trib. Richland Creek | Dawson, Tex. | 1.16 | 1.07 | Apr. 1937 | -- | 610 | 1.479 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1956 | 18.8 | 466 | 1.126 | -- | 7.16 | 5,130 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1963 | 7.5 | 390.1 | .942 | -- | 9.46 | 6,387 | |
| 51-29 | Lake Cherokee | Sabine River | Longview, Tex. | 170 | 163.77 | Oct. 1948 | -- | 49,295 | .426 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1960 | 11.5 | 46,705 | .412 | 83.12 | 1.37 | 2,480 | |
| 51-30a | Lavon Reservoir | East Fork Trinity River | Lavon, Tex. | 770 | 738.1 | 8/-- 1945 | -- | 423,400 | 1.34 | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | 9/Oct. 1953 | -- | 434,450 | 1.38 | -- | -- | --- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1959 | 6 | 425,380 | 1.35 | 53.1 | 1.9 | 2,107 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1965 | 6 | 416,494 | 1.32 | 50.9 | 2.14 | 2,472 | |
| 51-31b | Site #11B Elm Fk. Wshd. | Trinity River | Gainesville, Tex. | 2 | 1.87 | Nov. 1958 | -- | 678.2 | 1.33 | -- | -- | -- | SCS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1963 | 4.67 | 670 | 1.31 | 78.3 | 1/.96 | 1/1,637 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1968 | 5.25 | 654.6 | 1.28 | 81 | 1/.62 | 1/1,358 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1973 | 4.88 | 648.8 | 1.27 | 57.02 | 1/.18 | 1/601 | |
| 51-32a | Garza-Little Elm Res. (Lewisville Dam). | Elm Fork Trinity River | Lewisville, Tex. | 1,660 | 1,599 | -- 1946 | -- | 1,016,200 | 2.31 | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | 10/-- 1952 | -- | 1,012,900 | 2.28 | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | 11/Nov. 1954 | -- | 1,003,400 | 2.28 | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1960 | 5.88 | 989,728 | 2.25 | 50.6 | 1.46 | 1,609 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1965 | 5.04 | 981,763 | 2.23 | 50.6 | .99 | 1,089 | |
| 51-33 | Dam B Reservoir | Neches | Jasper, Tex. | 12/7,573 | 7,546.6 | -- 1947 | -- | 124,700 | .032 | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | -- 1951 | -- | 13/131,142 | .034 | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1960 | 8.83 | 131,681 | .034 | 60.9 | 14/.025 | 14/33 | |

1/ Sediment pool only.
2/ Area above sediment pool riser was not surveyed in 1965.
3/ Excludes area above two lakes in watershed which contributes occasional flow to Lake Halbert.
4/ Lake Clark was built in 1940 downstream from "Ennis New Lake" or "Club Lake" which was built in 1895. Club Lake and a small pond now submerged by Lake Clark.
5/ Data based upon combined capacities, drainage area, and sediment volumes of all lakes in system.
6/ Water supply pool capacity. Does not include surcharge or flood storage.
7/ Excludes area above Bridgeport Reservoir which lies upstream from Eagle Mt. Reservoir.
8/ Original capacity from map by stereo photogrammetric methods.
9/ "Original" or 1945 capacity adjusted in 1961 by range line controls established in 1953 give "Oct. 53" area and capacity.
10/ Adjusted for 1952 survey of Lake Dallas.
11/ Adjusted in Apr. 1963 for detailed range survey in 1952-53-54.
12/ Determined by USGS Nov. 1961.
13/ 1951 adjusted data.
14/ Deposits above Highway 190 bridge only. Not corrected for degradation between highway and dam.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | | SABINE, NECHES, AND TRINITY RIVER BASINS (Continued) | | | | | | | | | |
| 51-34a | Clear Creek Site 21----- | Trinity River---------- | Muenster, Tex.---- | 1.54 | 1.48 | May 1962 | -- | 479.4 | 1.37 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1967 | 5.19 | 468.6 | 1.34 | -- | 1.4 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1973 | 5.99 | 466.8 | 1.34 | | .25 | 428 | |
| 51-35 | Upper Lake Fk. Wshd. Site 23 | Sabine River---------- | Sulphur Spr., Tex. | 9.39 | 8.8 | Aug. 1962 | -- | 3,263.5 | .69 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1967 | 5.2 | 3,262.9 | .69 | -- | .45 | 652 | |
| 51-36 | Lake Amon G. Carter----- | Big Sandy Creek-------- | Bowie, Tex.-------- | 103 | 101 | May 1956 | -- | 15,295.75 | 1.07 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1967 | 11 | 15,238.06 | 1.03 | 55.19 | .51 | 613 | |
| 51-37a | Chambers Creek Site 37-- | Trib. Chambers Creek--- | Keene, Tex.-------- | 2.05 | 1.95 | Dec. 1960 | -- | 624.84 | 1.34 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1964 | 3.8 | 619.37 | 1.33 | -- | -- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1969 | 4.7 | 617.89 | 1.33 | 49 | .16 | 448 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1974 | 5 | 609.92 | 1.51 | -- | .82 | 744 | |
| 51-38a | Chambers Cr. Site 101-A- | Trinity River---------- | Frost, Tex.-------- | 2.58 | 2.34 | Apr. 1960 | -- | 1,152.11 | 1.2 | -- | -- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1964 | 4.5 | 1,137.61 | 1.18 | -- | -- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1968 | 3.9 | 1,114.89 | 1.16 | 54.9 | 2.49 | 2,806 | |
| 51-39a | Clear Fork Trinity Site #7 | Trib. Trinity River---- | Poolville, Tex.--- | 2.55 | 2.44 | Oct. 1955 | -- | 746.9 | 1.57 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1969 | 13.5 | 626.29 | 1.32 | 47.2 | 3.66 | 3,760 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1974 | 5 | 600.09 | 1.26 | -- | 2.14 | 3,388 | |
| 51-40a | Denton Cr. Wshd. Site 17 | Trinity River---------- | Decatur, Tex.------ | 4.1 | 3.96 | Oct. 1963 | -- | 1,621.36 | 2.7 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1968 | 5 | 1,557.16 | 2.6 | -- | 3.26 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1973 | 4.7 | 1,524.37 | 2.54 | -- | 1.76 | 3,219 | |
| 51-41a | E. Keechi Cr. Site No. 1 | Trib. Brazos River----- | Perrin, Tex.------- | 6.63 | 6.37 | Jan. 1964 | -- | 1,845.56 | 1.65 | -- | -- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1968 | 4.4 | 1,827.15 | 1.64 | *72 | .66 | 1,085 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1975 | 6.95 | 1,811.56 | 1.63 | -- | .35 | 446 | |
| 51-42 | Lake Weatherford-------- | Clear Fork Trinity----- | Weatherford, Tex.- | 109 | 1/63.06 | Mar. 1957 | -- | 21,233.61 | 2/1.57 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1973 | 16.08 | 19,665.72 | 2/1.47 | 58.15 | 1.35 | 1,122 | |
| 51-43 | Warren Ranch Lake------- | Rock Hollow------------ | Hockley, Tex.------ | 3.42 | 3.09 | -- 1952 | -- | 1,132 | .58 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1971 | 19 | 987 | .5 | 38 | 2.47 | 2,844 | |
| | | | | LOWER BRAZOS, LOWER COLORADO, GUADALUPE, SAN ANTONIO, AND NUECES RIVER BASINS | | | | | | | | | |
| 52-1 | Lake Corpus Christi----- | Nueces River----------- | Mathis, Tex.------- | 16,900 | 16,791 | July 1934 | -- | 54,426 | .08 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1942 | 7.6 | 43,801 | .064 | 34.9 | .083 | 63 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1948 | 6 | 39,587 | .058 | 35.6 | .044 | 36 | |
| 52-2 | Medina Lake------------- | Medina River----------- | San Antonio, Tex.- | 587 | 578 | Mar. 1913 | -- | 274,065 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1937 | 23.9 | 267,630 | -- | 61.1 | .465 | 619 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1948 | 11.3 | 265,075 | -- | 75 | .391 | -- | |
| 52-3 | Buchanan---------------- | Colorado River--------- | Burnet, Tex.------ | 3/19,350 | 19,313 | June 1937 | -- | 970,010 | *.649 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1941 | 3.7 | 954,859 | *.639 | -- | .21 | -- | |
| 52-4 | Moss Ranch Stock Pond--- | S. Bull Creek---------- | Llano, Tex.-------- | .07 | .07 | -- 1909 | -- | 4.7 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1941 | 32 | 4.5 | -- | -- | .07 | -- | |
| 52-5 | Moss Ranch Stock Pond--- | W. Bull Creek---------- | -----do---------- | .2 | .19 | -- 1909 | -- | 8.3 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1941 | 38 | 9.1 | -- | -- | .021 | -- | |
| 52-6 | Helms Tank-------------- | Trib. of Sandy Creek--- | -----do---------- | .15 | .14 | -- 1916 | -- | 12 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1941 | 25 | 11.6 | -- | -- | .12 | -- | |
| 52-7 | Baker Lake-------------- | Trib. San Antonio River | Somerset, Tex.----- | 3.17 | 3.1 | Sept 1950 | -- | 251 | .595 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1955 | 4.95 | 228 | .54 | 34.65 | 1.5 | 1,132 | |
| 52-8a | Calaveras Creek Site #6- | Calaveras Creek-------- | San Antonio, Tex.- | 7.01 | 6.7 | Dec. 1956 | -- | 1,697.62 | 1.65 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1968 | 11.25 | 1,661.12 | 1.62 | 56.17 | .49 | 706 | |
| 52-9a | Escondido Cr. Wshd. Site #11 | San Antonio River------ | Kenedy, Tex.------- | 8.43 | 7.96 | July 1960 | -- | 2,685.4 | 1.99 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1965 | 5.2 | 2,634.4 | 1.95 | -- | -- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1971 | 8.7 | 2,622.4 | 1.94 | 4/55.04 | .17 | 236 | |
| 52-10 | Rudder Pond------------- | Trib. of Llano River--- | Hext, Tex.--------- | 1.35 | 1.34 | Aug. 1951 | -- | 11.96 | .081 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1955 | 4 | 11.45 | .078 | -- | .09 | -- | |
| 52-11 | Sirianni Lake----------- | Trib. of Hondo Creek--- | Moore, Tex.-------- | .769 | .747 | Feb. 1951 | -- | 80.3 | 1.959 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1955 | 4.54 | 76.5 | 1.866 | 45.6 | 1.12 | 1,112 | |
| 52-12 | Smith Pond-------------- | Trib. of Bonito Creek-- | Jourdanton, Tex.--- | .191 | .188 | Apr. 1953 | -- | 5.41 | .361 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1955 | 2.4 | 5.6 | .315 | 27.8 | 1.8 | 1,090 | |
| 52-13 | Thornton Lake----------- | Cibalo Creek----------- | Boerne, Tex.------- | 1.54 | 1.52 | Sept 1952 | -- | 142.4 | .578 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1955 | 2.91 | 135.2 | .549 | -- | 1.64 | -- | |
| 52-14 | Iley Lake--------------- | Guadalupe River-------- | Gonzales, Tex.----- | 2.34 | 2.32 | Jan. 1949 | -- | 5/48.97 | .078 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1964 | 15.42 | 46.75 | .07 | 28.8 | .15 | 92 | |
| 52-15 | Blackwell Lake---------- | Trib. of Deer Creek---- | Cuero, Tex.-------- | 2.76 | 2.75 | Sept 1949 | -- | 5/45.12 | .061 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1964 | 14.75 | 41.51 | .056 | 59.6 | .09 | 97 | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52-16b | Site #1 Escondido Creek- | San Antonio River------ | Kenedy, Tex.------ | 3.01 | 2.84 | Sept 1954 | -- | 924.7 | 2.30 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1964 | 9.8 | 906.2 | 2.26 | -- | .67 | 6/763 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1969 | 5.1 | 890.1 | 2.22 | -- | 1.12 | 1,710 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1975 | 6.1 | 877.8 | 2.19 | -- | .71 | 1,433 | |
| 52-17 | Cummings Cr. Wshd Site 6 | Trib. Cummings Creek--- | Giddings, Tex.---- | 2.99 | 2.76 | Aug. 1958 | -- | 858.3 | .77 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1963 | 5.1 | 855.2 | .77 | -- | .22 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1969 | 5.9 | 854.1 | .76 | -- | .07 | -- | |
| 52-18 | Lower Plum Cr. Site 31-- | Trib. Plum Creek------- | Lockhart, Tex.---- | 3.51 | 3.26 | May 1966 | -- | 1,047.67 | 1.14 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1975 | 8.8 | 1,032.22 | 1.13 | -- | .54 | 881 | |
| 52-19 | Vahlsing Lake----------- | Bayou Creek------------ | Mathis, Tex.------ | 13.86 | 13.72 | -- | 1953 | -- | 519.63 | .47 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- | 1971 | 18 | 459.95 | .41 | 51 | .24 | 267 | |

BRAZOS RIVER BASIN (SOUTH BEND TO WASHINGTON) MIDDLE, AND COLORADO RIVER BASINS

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53-1 | Lake Scarborough-------- | Trib. Jim Ned Creek---- | Coleman, Tex.------ | 10.8 | 10.6 | May | 1923 | -- | 2,153 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May | 1940 | 17 | 2,007 | -- | 51.41 | .81 | 907 | |
| 53-2 | Santa Anna Lake--------- | Mud Creek-------------- | Santa Anna, Tex.-- | 1.17 | 1.05 | May | 1923 | -- | 766 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. | 1940 | 17 | 745 | -- | 45.2 | 1.18 | 1,162 | |
| 53-3 | Lake Eanes-------------- | Mercer Creek----------- | Comanche, Tex.---- | 13.76 | 13.57 | May | 1926 | -- | 1,313 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1946 | 20.3 | 1,221 | -- | -- | .334 | -- | |
| 53-4 | Lake Merritt------------ | Browne Creek----------- | Goldthwaite, Tex-- | 11.65 | 11.5 | May | 1917 | -- | 962 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May | 1940 | 23 | 855 | -- | 43 | .4 | 375 | |
| 53-5 | Hubbard City Lake No. 3- | Trib. E. Cottonwood Cr. | Hubbard, Tex.----- | .16 | .14 | -- | 1913 | -- | 7/104.5 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May | 1949 | 36 | 90.2 | -- | -- | 2.88 | -- | |
| 53-6 | Hubbard City Lake No. 4- | E. Cottonwood Creek---- | -----do---------- | 1.4 | 1.35 | -- | 1917 | -- | 7/318.2 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May | 1949 | 32 | 255.4 | -- | -- | 1.45 | -- | |
| 53-7a | Rogers Lake------------ | Trib. of Little River-- | Rogers, Tex.------ | .55 | .51 | Fall | 1922 | -- | 164 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1934 | 12 | 126.5 | -- | -- | 6.12 | -- | |
| 53-8 | Hubbard City Lake No. 1- | Trib. E. Cottonwood Cr. | Hubbard, Tex.----- | .5 | .5 | -- | 1898 | -- | 8/110 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May | 1949 | 51 | 84 | -- | -- | 1 | -- | |
| 53-9 | Hubbard City Lake No. 2- | -----do---------- | -----do---------- | .03 | .03 | -- | 1912 | -- | 8/36.3 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May | 1949 | 37 | 33 | -- | -- | 3 | -- | |
| 53-10 | Hubbard City Lake No. 5- | East Cottonwood Creek-- | -----do---------- | .11 | .1 | -- | 1925 | -- | 44.8 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May | 1949 | 24 | 37.8 | -- | -- | 3 | -- | |
| 53-11 | Lake Lawn--------------- | Redbank Creek---------- | Lawn, Tex.-------- | 13 | 12.8 | -- | 1911 | -- | 530 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. | 1941 | 30 | 354 | -- | -- | .46 | -- | |
| 53-12 | Lometa----------------- | Salt & Emory Creeks---- | Lometa, Tex.------ | 4.74 | 4.6 | -- | 1912 | -- | 759 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. | 1941 | 29 | 702 | -- | -- | .2 | -- | |
| 53-13 | Meridian Lake----------- | See Creek-------------- | Meridian, Tex.---- | 3.5 | 3.2 | -- | 1904 | -- | 728 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. | 1948 | 14 | 692 | -- | -- | .02 | -- | |
| 53-14 | Miller Lake------------- | Trib. of Horse Creek--- | San Saba, Tex.---- | .41 | .38 | Sept | 1913 | -- | 88 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. | 1941 | 27.5 | 75 | -- | -- | .71 | -- | |
| 53-15 | Odell Lake-------------- | Unnamed trib.---------- | Hubbard, Tex.----- | .56 | .55 | July | 1925 | -- | 75.1 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1949 | 24 | 52.6 | -- | -- | 1.71 | -- | |
| 53-16 | Possum Kingdom Lake----- | Brazos River----------- | Graford, Tex.-----9/14,098 | 12,955 | | May | 1941 | -- | 729,985 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. | 1949 | 7.75 | 672,420 | -- | -- | .57 | -- | |
| 53-17 | Rock Crusher------------ | Bachelor Creek--------- | Coleman, Tex.----- | 16.5 | 16.48 | -- | 1910 | -- | 153 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. | 1941 | 31 | 80 | -- | -- | .14 | -- | |
| 53-18 | Old Santa Anna City Lake | Mukewater Creek-------- | Santa Anna, Tex.-- | .9 | .87 | Jan. | 1910 | -- | 153 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June | 1940 | 30.5 | 118 | -- | -- | 1.31 | -- | |
| 53-19 | Old Coleman City Lake--- | Home Creek------------ | Coleman, Tex.----- | .73 | .69 | Nov. | 1905 | -- | 289 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May | 1940 | 33.6 | 273 | -- | -- | .67 | -- | |
| 53-20 | Hamilton City Lake------ | Two Mile Creek--------- | Hamilton, Tex.---- | 12 | 11.9 | June | 1923 | -- | 610 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. | 1941 | 17.75 | 560 | -- | -- | .24 | -- | |
| 53-21 | Lake Leon--------------- | Leon River------------- | Eastland, Tex.---- | 225 | 224.7 | June | 1520 | -- | 10/1,637 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. | 1941 | 20.75 | 1,275 | -- | -- | .08 | -- | |
| 53-22 | Lake Mineral Wells------ | Rock Creek------------- | Mineral Wells, Tex. | 74.4 | 73.4 | -- | 1922 | -- | 10,741 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. | 1941 | 19.5 | 9,032 | -- | -- | 1.19 | -- | |
| 53-23 | Buffalo Tank (Knox Tank) | Trib. of Pecan Bayou--- | Coleman, Tex.----- | 1.73 | 1.71 | -- | 1900 | -- | 33 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. | 1941 | 41 | 29 | -- | -- | .058 | -- | |
| 53-24 | R. G. Hollingsworth Stock Pond | -----do---------- | -----do---------- | 2.6 | 2.58 | June | 1937 | -- | 20 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. | 1941 | 3.7 | 14 | -- | -- | .66 | -- | |
| 53-25 | J. S. Wall Stock Pond--- | Trib. of Brady Creek--- | Brady, Tex.-------- | .35 | .35 | -- | 1927 | -- | 13 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. | 1941 | 14 | 12.2 | -- | -- | .16 | -- | |
| 53-26 | White Tank-------------- | Trib. of Pecan Bayou--- | Brownwood, Tex.--- | .8 | .8 | May | 1936 | -- | 4.5 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. | 1941 | 4.8 | 3.6 | -- | -- | .24 | -- | |
| 53-27 | Zimmerlee Stock Pd. (N.) | Trib. of Jim Ned Creek- | Lawn, Tex.-------- | .13 | .13 | -- | 1916 | -- | 1.12 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. | 1941 | 25 | .8 | -- | -- | .1 | -- | |
| 53-28 | Stith Lake-------------- | Redbank Creek---------- | -----do---------- | 1.04 | 1.01 | Aug. | 1926 | -- | 102 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. | 1941 | 14.6 | 93 | -- | -- | .63 | -- | |
| 53-29 | Philpsco Lake----------- | Paint Creek------------ | Pioneer, Tex.----- | 9.04 | 9 | Apr. | 1925 | -- | 183 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. | 1941 | 15.9 | 173 | -- | -- | .07 | -- | |
| 53-30b | Lake Brownwood---------- | Pecan Bayou (Colo. R.)- | Brownwood, Tex.--- | 1,544 | 1,533 | July | 1932 | -- | 149,925 | 1.011 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. | 1940 | 7.6 | 145,720 | .983 | 41.9 | .361 | 329 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1959 | 19.6 | 135,968 | .916 | 42.2 | .325 | 299 | |

1/ Does not include 44.15 sq. mi. drainage area controlled by 22 SCS floodwater retarding structures, and 1.79 sq. mi. lake area.
2/ Adjusted because of upstream control of 22 SCS floodwater retarding structures.
3/ Drainage area is 31,250 sq. mi., of which 11,900 sq. mi. are noncontributing.
4/ Weighted average.
5/ Original capacity determined by spudding on 1964 survey.
6/ Sediment pool only.
7/ Dam was raised in 1925 and 1949. Capacities based on 1949 level.
8/ Dam was raised in 1925. Capacity based on 1925 level.
9/ Includes 1,111 sq. mi. of partially contributing drainage above lakes in watershed; excludes 8,900 sq. mi. of noncontributing drainage at head of watershed.
10/ Dam was raised 1 ft. in 1928. Capacity at 1928 spillway level.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BRAZOS RIVER BASIN (SOUTH BEND TO WASHINGTON) MIDDLE, AND COLORADO RIVER BASINS (Continued) | | | | | | | | | | | | | |
| 53-31a | Lake Waco (Old) | Bosque | Waco, Tex. | 1/1,649 | 1/1,645 | Apr. 1930 | -- | 39,378 | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Feb. 1935 | 4.9 | 33,717 | -- | *58.5 | .695 | 886 | |
| | -do- | -do- | -do- | -- | -- | Feb. 1936 | 1 | 31,588 | -- | *58.5 | 1.28 | 1,631 | |
| | -do- | -do- | -do- | -- | -- | Dec. 1947 | 11.8 | 22,026 | -- | *58.5 | .487 | 621 | |
| | -do- | -do- | -do- | -- | -- | Dec. 1964 | 17 | 15,427 | -- | -- | .236 | -- | |
| 53-32 | Lake Eddleman | Flint Creek | Graham, Tex. | 42 | 41.4 | Feb. 1929 | -- | 6,583 | 1.144 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | May 1954 | 25.25 | 5,917 | 1.028 | 49.2 | .64 | 687 | |
| 53-33c | Site No. 3 Cow Bayou | Trib. Brazos | Moody, Tex. | 1.4 | 1.32 | Nov. 1955 | -- | 458.5 | 1.23 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1960 | 4.75 | 393.3 | 1.05 | -- | 10.4 | -- | |
| | -do- | -do- | -do- | -- | -- | Aug. 1965 | 5.04 | 375.4 | 1.01 | -- | 2.69 | -- | |
| | -do- | -do- | -do- | -- | -- | Apr. 1970 | 4.69 | 366.7 | .98 | -- | 1.41 | 1,572 | |
| | -do- | -do- | -do- | -- | -- | Aug. 1975 | 5.25 | 358.5 | .96 | -- | 1.18 | 1,897 | |
| 53-34b | Cow Bayou No. 4 | Foster Branch | Bruceville, Tex. | 5.25 | 5.04 | July 1956 | -- | 1,915 | 1.24 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1969 | 13.2 | 1,833.53 | 1.19 | -- | 1.19 | 1,419 | |
| | -do- | -do- | -do- | -- | -- | July 1975 | 5.8 | 1,812.1 | 1.18 | -- | .73 | 1,241 | |
| 53-35a | Deep Creek No. 3 | Deep Cr.-Mid. Colo. R. | Brady, Tex. | 3.42 | 3.19 | Nov. 1953 | -- | 925.18 | 2.8 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1960 | 6.8 | 881.8 | 2.6 | -- | -- | 3,335 | |
| | -do- | -do- | -do- | -- | -- | June 1965 | 4.8 | 874.62 | 2.66 | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1971 | 6.3 | 871.32 | 2.65 | 2/79 | .16 | 277 | |
| 53-36b | Green Creek No. 1 | Green Creek | Dublin, Tex. | 3.57 | 3.38 | Apr. 1955 | -- | 1,095 | 1.98 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Jan. 1957 | 1.8 | 1,080 | 1.96 | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | Apr. 1962 | 5.2 | 1,065 | 1.93 | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | June 1967 | 5.2 | 1,063 | 1.93 | 73.6 | .11 | 3/88 | |
| | -do- | -do- | -do- | -- | -- | May 1972 | 4.9 | 1,054 | 1.91 | -- | .53 | -- | |
| 53-37 | Silver Lake | N. E. Trib. Leon River | -do- | .37 | .334 | -- | 1910 | -- | 153.8 | 2.435 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1960 | 50 | 145 | 2.296 | -- | .527 | -- | SCS |
| 53-38 | Main Res. Deep Cr. Site #5 | Colorado | Brady, Tex. | 2.91 | 2.72 | Aug. 1953 | -- | 1,326.7 | 4.755 | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | July 1961 | 7.9 | 1,295.7 | 4.644 | -- | 1.44 | -- | SCS |
| 53-39 | Upper Res. Deep Creek Site 5 | -do- | -do- | 2.19 | 2.18 | Aug. 1953 | -- | 15.2 | .072 | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | July 1961 | 7.9 | 11.2 | .053 | 49.9 | .23 | 250 | SCS |
| 53-40a | Mukewater Cr. Site No. 9 | Mid. Colorado River | Bangs, Tex. | 4.75 | 4.55 | Jan. 1961 | -- | 732.94 | 1.38 | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | June 1965 | 4.42 | 708.42 | 1.33 | -- | 1.22 | -- | |
| | -do- | -do- | -do- | -- | -- | July 1970 | 5.1 | 703.41 | 1.32 | -- | .22 | -- | |
| 53-41a | Sulphur Creek Site 3 | Lampasas River | Lampasas, Tex. | 10.81 | 10.58 | Dec. 1959 | -- | 3,229.2 | 1.6 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Nov. 1962 | 2.8 | 3,224.7 | 1.6 | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | Aug. 1968 | 5.8 | 3,223.3 | 1.6 | 55 | 3/.02 | 3/24 | |
| 53-42 | Whitney Reservoir | Brazos River | Whitney, Tex. | 4/17,656 | 5/3,480 | Dec. 1941 | -- | 6/2,013,600 | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Apr. 1959 | 7.4 | 1,999,500 | -- | 62.6 | .55 | 750 | |
| 53-43a | Site No. 8 Deep Creek | Dry Prong | Brady, Tex. | 7/5.41 | 7/5.17 | Dec. 1951 | -- | 1,400.81 | 2.12 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1966 | 14.8 | 1,367.81 | 2.06 | -- | .71 | -- | |
| | -do- | -do- | -do- | -- | -- | Aug. 1972 | 5.9 | 1,359.54 | 2.05 | -- | .27 | 3/174 | |
| 53-44a | Site #10-A Mukewater Cr. | Mukewater Creek | Bangs, Tex. | 15.26 | 14.59 | Mar. 1965 | -- | 3,164.89 | 1.85 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1966 | 1.4 | 3,157.99 | 1.85 | -- | .34 | -- | |
| | -do- | -do- | -do- | -- | -- | Aug. 1972 | 6.06 | 3,138.38 | 1.84 | -- | .22 | -- | |
| 53-45 | Lake Daniel | Gonzales Creek | Breckenridge, Tex. | 115 | 113 | June 1949 | -- | 10,731 | .81 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Nov. 1970 | 21.4 | 9,515 | .72 | 48 | .49 | 512 | |
| 53-46 | Site 9 Lower San Saba R. | Colorado River | San Saba, Tex. | 3.03 | 2.88 | Jan. 1960 | -- | 645.79 | 1.6 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1967 | 7.67 | 635.49 | 1.57 | -- | .46 | 723 | |
| 53-47 | Belton Lake | Leon River | Belton, Tex. | 2,258.8 | 2,221.8 | Mar. 1954 | -- | 1,101,051 | 2.26 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Oct. 1961 | 7.67 | 1,091,318 | 2.24 | 51.4 | .39 | 437 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1966 | 5 | 1,086,196 | 2.23 | 51.4 | .39 | 439 | |
| 53-48 | Diversion Pond Above Site 8 Deep Cr. Wshd. | Trib. Deep Creek | Brady, Tex. | 1.38 | 1.37 | Dec. 1951 | -- | 22.83 | .135 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1966 | 14.8 | 19.15 | .113 | -- | .18 | -- | |
| | -do- | -do- | -do- | -- | -- | Aug. 1972 | 5.9 | 18.45 | .109 | *42 | .09 | 79 | |
| 53-49 | Hords Creek Reservoir | Hords Creek | Coleman, Tex. | 48 | 46.02 | Apr. 1948 | -- | 25,314 | 5.63 | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Oct. 1962 | 14.58 | 24,867 | 5.53 | 50.3 | .67 | 734 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1968 | 6 | 24,734 | 5.5 | *50.3 | .48 | 528 | |
| 53-50 | Site No. 12 Tehuacana Cr. | Trib. Tehuacana Creek | Waco, Tex. | 5.93 | 5.59 | July 1963 | -- | -- | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1965 | 2 | 3/252.75 | -- | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | Aug. 1971 | 6.1 | 246.25 | -- | -- | 3/.18 | -- | |

## UPPER BRAZOS AND UPPER COLORADO RIVER BASINS

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54-1 | Lake Abilene | Elm Creek | Abilene, Tex. | 98.5 | 97.5 | Aug. 1921 | -- | 10,325 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1948 | 27 | 9,786 | -- | *60 | .21 | 274 | |
| 54-2b | Lake Nasworthy | South Concho | San Angelo, Tex. | 3,294 | 3,119 | Oct. 1930 | -- | 11,485 | *.046 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Dec. 1938 | 8.2 | 10,294 | *.041 | 67.5 | .046 | 68 | |
| | -do- | -do- | -do- | -- | -- | May 1953 | 14.5 | 8/12,628 | *.051 | 67.5 | .023 | 34 | |
| 54-3 | Lake Sweetwater | Bitter Creek | Sweetwater, Tex. | 110 | 108.8 | Feb. 1930 | -- | 13,810 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Dec. 1941 | 11.8 | 13,287 | -- | -- | .41 | -- | |
| 54-4 | Lake Kirby | Cedar Creek | Abilene, Tex. | 44 | 42.8 | Sept 1928 | -- | 8,133 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Nov. 1941 | 13.2 | 7,618 | -- | -- | .91 | -- | |
| 54-5 | Lake Throckmorton | South Elm River | Throckmorton, Tex. | 11.54 | 11.32 | Sept 1918 | -- | 9/1,947 | 1.534 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June 1954 | 35.7 | 1,829 | 1.441 | 31.55 | .29 | 199 | |
| 54-6a | Lake Fort Phantom Hill | Elm Fork, Brazos River | Abilene, Tex. | 478 | 268 | 10/Oct. 1938 | -- | 76,966 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1953 | 14.8 | 74,312 | -- | 35.99 | .67 | 525 | |
| 54-7 | Mountain Creek | Mountain Creek | Robert Lee, Tex. | 32 | 31.88 | May 1950 | -- | 945.3 | .369 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Apr. 1961 | 10.9 | 804.9 | .314 | 53.06 | .4 | 462 | |
| 54-8 | XQZ Ranch Pond | Trib. S. Concho River | San Angelo, Tex. | 1.6 | 1.53 | May 1937 | -- | 276 | 2.24 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1955 | 18.2 | 250 | 2.029 | 63.6 | .93 | 1,288 | |
| 54-9 | Lake Stamford | Paint Creek | Stamford, Tex. | 360 | 352.34 | June 1953 | -- | 57,632.35 | 1.71 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | May 1966 | 12.9 | 53,927.57 | 1.6 | 42.56 | .82 | 760 | |
| 54-10 | Site 18 Valley Cr. Wshd. | Trib. Valley Creek | Winters, Tex. | 4.21 | 4.11 | Aug. 1964 | -- | 719.89 | 2.38 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | June 1969 | 4.8 | 717.05 | 2.36 | 69 | .14 | 210 | |
| 54-11 | Lake Ballinger | Valley Creek | Ballinger, Tex. | 210 | 209 | Nov. 1947 | -- | 3,872.09 | .28 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1970 | 22.8 | 3,070.42 | .22 | 37 | .17 | 137 | |
| 54-12 | Lake Winters | Elm Creek | Winters, Tex. | 63.62 | 63.14 | Oct. 1945 | -- | 2,518.2 | .59 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1970 | 24.75 | 1,886.2 | .44 | 39 | .4 | 340 | |

## RIO GRANDE BASIN (BELOW EAGLE PASS)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55-1 | Site 6 Olmitos & Garcias Creeks | El Gato Creek | Rio Grande City, Tex. | 13.19 | 12.94 | June 1962 | -- | 2,258.11 | 21.5 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1966 | 4.25 | 2,252.03 | 21.4 | *75 | .11 | 180 | |

## RIO GRANDE BASIN (FORT QUITMAN TO EAGLE PASS) AND LOWER PECOS RIVER BASIN

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56-1a | Cottonwood Detention | San Felipe Arroyo River | Fabens, Tex. | 2.34 | 2.19 | July 1937 | -- | 500 | 16.129 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1954 | 17 | 378 | 12.154 | -- | 3.28 | -- | |
| 56-2 | Rattlesnake Detention | -do- | -do- | 5.15 | 11/2.81 | July 1937 | -- | 224.4 | -- | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1954 | 17 | 175.7 | -- | -- | 1.02 | -- | |
| 56-3 | Roberts Detention | -do- | -do- | 2.34 | 2.31 | July 1937 | -- | 145.3 | 4.687 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | July 1954 | 17 | 104.8 | 3.381 | -- | 1.03 | -- | |
| 56-4a | Fress Pond | Trib. of Devils River | Sonora, Tex. | .435 | .43 | Dec. 1944 | -- | 7.31 | .222 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1955 | 10.75 | 6.97 | .211 | 69.6 | .074 | 112 | |
| 56-5 | Lowrey Draw, Site No. 9 | Lowrey Draw | -do- | 2.77 | 2.64 | June 1961 | -- | 3/31.1 | .49 | -- | -- | -- | ARS |
| | -do- | -do- | -do- | -- | -- | Feb. 1969 | 7.65 | 30.84 | .48 | 64 | .01 | 18 | |
| 56-6 | Lowrey Draw, Site No. 10 | Trib. Lowrey Draw | -do- | 8.43 | 8.2 | June 1961 | -- | 3/95 | .68 | -- | -- | -- | ARS |
| | -do- | -do- | -do- | -- | -- | Mar. 1969 | 7.83 | 94.38 | .68 | 64 | .01 | 14 | |
| 56-7 | Lowrey Draw, Site No. 12 | -do- | -do- | 4.38 | 4.19 | June 1961 | -- | 3/85.46 | .68 | -- | -- | -- | ARS |
| | -do- | -do- | -do- | -- | -- | Feb. 1969 | 7.65 | 84.03 | .67 | 64 | .04 | 62 | |
| 56-8 | Lowrey Draw, Site No. 13 | -do- | -do- | 1.07 | 1.02 | June 1961 | -- | 3/56.26 | 3.28 | -- | -- | -- | ARS |
| | -do- | -do- | -do- | -- | -- | Mar. 1969 | 7.74 | 56.1 | 3.26 | 64 | .02 | 28 | |
| 56-9 | Site No. 1 Diablo Arroyo | Rio Grande | McNary, Tex. | 29.89 | 29.51 | Apr. 1960 | -- | 4,489.7 | 11.3 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Apr. 1965 | 5 | 4,343.1 | 10.9 | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | Apr. 1970 | 5 | 4,235.1 | 10.6 | -- | .86 | 1,130 | |

## RIO GRANDE BASIN (ESPANOLA TO FORT QUITMAN)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57-1b | Elephant Butte | Rio Grande River | Elephant Butte, N. Mex. | 25,923 | 25,866 | Jan. 1915 | -- | 2,634,800 | -- | -- | -- | -- | BR |
| | -do- | -do- | -do- | -- | -- | Dec. 1916 | 1.9 | 2,584,865 | -- | -- | 1.02 | -- | |
| | -do- | -do- | -do- | -- | -- | Aug. 1920 | 3.7 | 2,498,850 | -- | -- | .899 | -- | |
| | -do- | -do- | -do- | -- | -- | Aug. 1925 | 5 | 2,389,380 | -- | -- | .846 | -- | |
| | -do- | -do- | -do- | -- | -- | Apr. 1935 | 9.7 | 2,270,300 | -- | *60 | .475 | 621 | |
| | -do- | -do- | -do- | -- | -- | Oct. 1940 | 5.5 | 2,219,000 | -- | -- | .361 | -- | |
| | -do- | -do- | -do- | -- | -- | Apr. 1947 | 6.5 | 2,197,600 | -- | *65.9 | .127 | 182 | |
| | -do- | -do- | -do- | -- | -- | Feb. 1957 | 9.75 | 2,206,780 12/ | 2.2 | 60. | -- | -- | |
| | -do- | -do- | -do- | -- | -- | Apr. 1969 | 12.2 | 2,137,219 | 2.31 | 62 | .22 | 357 | |
| 57-2 | Caballo | -do- | Truth or Consequences, N. Mex. | 13/30,700 | 14/1,237 | Jan. 1938 | -- | 345,872 | -- | -- | -- | -- | BR |
| | -do- | -do- | -do- | -- | -- | Nov. 1957 | 19.9 | 343,990 | -- | -- | .0761 | -- | |
| 57-3a | Santa Cruz | Santa Cruz River | Espanola, N. Mex. | 93.1 | 93.1 | Feb. 1929 | -- | 4,464 | .19 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. 1956 | 27.4 | 3,758 | .16 | 80 | .27 | 470 | |
| 57-4 | Cornfield Wash (1) | Trib. Rio Puerco River | Cuba, N. Mex. | .29 | .28 | Apr. 1951 | -- | 24 | 1.446 | -- | -- | -- | GS |
| | -do- | -do- | -do- | -- | -- | Oct. 1960 | 15/10 | 10.3 | .62 | -- | 4.89 | -- | |

1/ Latest drainage area by USGS in 1964.
2/ Weighted average.
3/ Sediment pool only.
4/ Does not include 8,900 sq. mi. which is considered to be noncontributing to the total 26,606 sq. mi. drainage area.
5/ For the 3,558 sq. mi. area between Possum Kingdom and Whitney Dams, excluding 77.8 sq. mi. which is reservoir surface area at elevation 571.
6/ Original storage capacity 2,017,500 ac.-ft. Adjusted in 1963 for detailed range survey in 1951.
7/ Includes 1.38 sq. mi. drainage area of diversion pond above site.
8/ Spillway raised 2.3 ft. in Sept. 1948.
9/ Dam was raised 13 ft. in 1940; capacity at 1940 spillway elevation.
10/ Date storage began has not been verified.
11/ Includes Hucco Watershed but does not include Roberts Watershed.
12/ Total storage shows a gain of 9,180 ac.-ft. since 1947 survey, attributable primarily to compaction.
13/ Includes 2,940 sq. mi. in closed basin in San Luis Valley, Colo.
14/ Drainage area between gaging station below Elephant Butte Dam and gaging station below Caballo Dam less original water surface area of Caballo Reservoir at elevation 4,225.3.
15/ Runoff seasons.
* Estimated or assumed.

# SUMMARY OF RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RIO GRANDE BASIN (ESPANOLA TO FORT QUITMAN) (Continued) | | | | | | | | | |
| 57-5 | Cornfield Wash (2)------ | Trib. Rio Puerco River- | Cuba, N. Mex.------ | .87 | .85 | Apr. 1951 | -- | 54.1 | 3.127 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1960 | 1/10 | 45.1 | 2.607 | -- | 1.06 | -- | |
| 57-6 | Cornfield Wash (3)------ | -----do---------- | -----do---------- | .25 | .25 | Apr. 1951 | -- | 5.9 | .711 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1960 | 1/10 | 2.6 | .313 | -- | 1.32 | -- | |
| 57-7 | Cornfield Wash (4)------ | -----do---------- | -----do---------- | 1.18 | 1.17 | Apr. 1951 | -- | 22.1 | 1.277 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1960 | 1/10 | 17.4 | 1.006 | -- | .4 | -- | |
| 57-8 | Cornfield Wash (5)------ | -----do---------- | -----do---------- | 1.04 | 1.04 | Apr. 1951 | -- | 9.2 | .474 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1960 | 1/10 | 3 | .155 | -- | .6 | -- | |
| 57-9 | Cornfield Wash (9)------ | -----do---------- | -----do---------- | .09 | .09 | Apr. 1951 | -- | 4.6 | .948 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1960 | 1/10 | 3.1 | .639 | -- | 1.67 | -- | |
| 57-10 | Cornfield Wash (13)----- | -----do---------- | -----do---------- | .33 | .33 | Apr. 1951 | -- | 7.4 | .561 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1960 | 1/10 | .3 | .023 | -- | 2.15 | -- | |
| 57-11 | Cornfield Wash (15)----- | -----do---------- | -----do---------- | 1.04 | 1.03 | Dec. 1953 | -- | 17.9 | 6.63 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1960 | 1/7 | 17.8 | 6.593 | -- | .01 | -- | |
| 57-12 | San Luis (1)---------- | -----do---------- | -----do---------- | 1.06 | 1.05 | Aug. 1952 | -- | 16.3 | .676 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1960 | 1/8 | 12 | .498 | -- | .51 | -- | |
| 57-13 | San Luis (3)---------- | -----do---------- | -----do---------- | .67 | .66 | Aug. 1952 | -- | 22.6 | .958 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1960 | 1/8 | 19.6 | .831 | -- | .58 | -- | |
| 57-14 | Zia Reservoir---------- | Trib. of Jemez River--- | San Ysidro, N. Mex. | 2.4 | 2.4 | June 1954 | -- | 59.9 | 2.155 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1960 | 1/7 | 19 | .683 | -- | 2.43 | -- | |
| 57-15b | Jemez Canyon Reservoir-- | Jemez River---------- | Bernalillo, N. Mex. | 1,034 | 1,029 | Oct. 1953 | -- | 117,213 | 3.01 | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1959 | 5.92 | 113,874 | 2.93 | *75.7 | .548 | 1,868 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1965 | 6.33 | 112,809 | 2.9 | *75.7 | .0163 | 270 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1975 | 9.08 | 106,100 | 2.73 | *75.7 | .718 | 1,180 | |
| 57-16 | San Luis #2---------- | Rio Puerco River------- | Cuba, N. Mex.------ | .74 | .74 | July 1952 | -- | *3 | .12 | -- | -- | -- | FS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1962 | -- | -- | -- | -- | .62 | -- | |
| 57-17 | Caballo Arroyos Site 1-- | Underwood Arroyo------ | Derry, N. Mex.----- | .87 | .87 | Nov. 1959 | -- | 73.21 | 15.9 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1967 | 7.8 | 68.79 | 14.9 | 111 | .64 | 1,547 | |
| 57-18a | Site #6 (Alamo Arroyo)-- | Alamo Arroyo---------- | Chimayo, N. Mex.-- | 3.15 | 3.12 | Apr. 1962 | -- | 232 | 13.81 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1968 | 6.7 | 160 | 9.52 | *100 | 3.45 | 7,509 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1975 | 6.3 | 81.66 | 4.86 | 81 | 3.99 | 5,521 | |
| 57-19 | Site #3 (Ramones Arroyo) | Ramones Arroyo--------- | -----do---------- | 1.17 | 1.15 | Sept 1962 | -- | 111 | 8.9 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1969 | 6.3 | 69 | 5.5 | *110 | 6.03 | 14,446 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1969 | .7 | 37.5 | 3 | *110 | 27.16 | 102,597 | |
| 57-20 | North Salem Site #2----- | North Salem Arroyo----- | Salem, N. Mex.----- | 3.8 | 3.8 | Apr. 1957 | -- | 204.71 | *10.1 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1967 | 10.25 | 190.82 | *9.4 | 98.5 | .35 | 751 | |
| 57-21 | Rodey (Hatch Valley Arroyo #5) | Rodey Arroyo---------- | Hatch, N. Mex.----- | 2.1 | 2.1 | July 1958 | -- | 170.91 | 15.4 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1967 | 9.1 | 141.25 | 12.7 | 85 | 1.55 | 2,869 | |
| 57-22 | Bernalillo Retarding Dam #1 | Piedra Lisa---------- | Bernalillo, N. Mex. | 4.1 | 4.07 | Aug. 1955 | -- | 310.6 | 3.55 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1967 | 11.75 | 298.1 | 3.41 | 94.6 | .26 | 537 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1976 | 9.25 | 293.99 | 3.36 | 90 | .109 | 181 | |
| 57-23 | Pecos Arroyo (Sanquiljuela) Site #1 | Pecos Arroyo---------- | Las Vegas, N. Mex. | 19.34 | 19.04 | June 1965 | -- | 1,732.7 | 8.4 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1972 | 6.7 | 1,678.8 | 8.14 | -- | .42 | -- | |
| 57-24 | Santa Cruz R. Wshd. Site #2 | Encino Arroyo---------- | Chimayo, N. Mex.-- | 1.56 | 1.54 | Sept 1962 | -- | 156 | 9.38 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1971 | 1/8 | 46.1 | 2.77 | -- | 8.94 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1974 | 3 | 32.46 | 1.95 | -- | 2.96 | -- | |
| 57-25 | Santa Cruz R. Wshd. Site #4 | Martinez Arroyo-------- | -----do---------- | 2.45 | 2.39 | July 1962 | -- | 241 | 18.45 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1975 | 1/13 | 123.87 | 9.45 | 87 | 3.77 | 7,150 | |
| 57-26 | Santa Cruz R. Wshd. Site #5 | Morada Arroyo---------- | -----do---------- | 1.31 | 1.30 | July 1962 | -- | 138 | 29.7 | -- | --- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1974 | 1/12 | 90.02 | 12.89 | 91 | 3.09 | 6,134 | |
| | | | | UPPER PECOS RIVER BASIN | | | | | | | | | |
| 58-1 | Bonito---------- | Bonito Cr., Kraut Gulch | Capitan, N. Mex.-- | 40 | 39.9 | June 1931 | -- | 1,180 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1940 | 9 | 1,150 | -- | -- | .083 | -- | |
| 58-2a | Alamogordo---------- | Pecos River---------- | Ft. Sumner, N. Mex. | 4,393 | 3,749 | -- 1936 | -- | 156,750 | .946 | -- | -- | -- | BR |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1940 | 3.25 | 146,071 | .881 | *73.5 | .876 | 1,410 | |
| | -----do---------- | -----do---------- | -----do---------- | --- | -- | Oct. 1943 | 3.08 | 130,280 | .786 | -- | -- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1944 | .5 | 132,171 | .797 | *73.5 | 1.03 | 1,649 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1964 | 20.42 | 110,655 | .668 | *73.5 | .281 | 450 | |
| 58-3a | Avalon (Lake Avalon)---- | -----do---------- | Carlsbad, N. Mex.- | 16,030 | 1,080 | Apr. 1907 | -- | 7,600 | -- | -- | -- | -- | BR |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1941 | 34 | 6,633 | -- | -- | 2/.0263 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1956 | 15.25 | 5,647 | -- | 76.7 | .0599 | -- | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58-4a | McMillan (L. McMillan)-- | -----do---------- | -----do---------- | 14,950 | 14,950 | Jan. 1894 | -- | 91,000 | .344 | -- | -- | -- | BR |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1904 | 10.42 | 73,000 | .276 | -- | .116 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1910 | 6.42 | 61,500 | .232 | -- | .12 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1915 | 4.5 | 45,500 | .172 | -- | .238 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1925 | 10.08 | 42,000 | .159 | -- | .023 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1932 | 7.5 | 40,500 | .153 | -- | .013 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1940 | 7.08 | 38,655 | .146 | *70 | .017 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1956 | 16.5 | 3/39,400 | .149 | 4/62.4 | .004 | -- | |
| 58-5a | Upper-Hondo Site #1----- | Rio Salado Creek------- | Capitan, N. Mex.-- | 122 | 121.61 | May 1959 | -- | 4,972.14 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1959 | .42 | 4,946.54 | -- | *75 | .65 | 1,060 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1961 | 1.58 | 4,896.6 | -- | 75 | .34 | 555 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1962 | .83 | 4,818 | -- | 75 | 1.01 | 1,649 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1963 | .92 | 4,796.41 | -- | 75 | .25 | 408 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1965 | 1.92 | 4,749.54 | .97 | 75 | .26 | 424 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1972 | 7 | 4,322.3 | .89 | -- | .5 | -- | |
| 58-6 | Bancroft #7------------ | -----do---------- | -----do---------- | 12 | 12 | Feb. 1955 | -- | 4.77 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1965 | 10.67 | 3.52 | -- | *75 | .01 | 16 | |
| 58-7 | Bancroft #9------------ | -----do---------- | -----do---------- | .57 | .57 | Feb. 1955 | -- | 7.2 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1965 | 10.67 | 1.59 | -- | *75 | .92 | 1,500 | |
| 58-8 | Bancroft #11----------- | -----do---------- | -----do---------- | .69 | .69 | Feb. 1955 | -- | 4.09 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1965 | 10.67 | 1.59 | -- | *75 | .34 | 554 | |
| 58-9 | Pearson #6------------- | -----do---------- | -----do---------- | .19 | .19 | Mar. 1955 | -- | 2.21 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1957 | 2.17 | 1.6 | -- | *75 | 1.46 | 2,380 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1959 | 1.91 | 1.52 | -- | *75 | .24 | 391 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1965 | 6.5 | .49 | -- | *75 | .83 | 1,352 | |
| 58-10 | Pearson #8------------- | -----do---------- | -----do---------- | .24 | .24 | Mar. 1955 | -- | 5.45 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1956 | 1.75 | 4.3 | -- | *75 | 2.75 | 4,555 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1958 | 1.08 | 3.62 | -- | *75 | 2.63 | 4,280 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1959 | 1 | 3.02 | -- | *75 | 2.49 | 4,130 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1965 | 6.75 | .55 | -- | *75 | 1.53 | 2,519 | |
| 58-11 | Pearson #9------------- | -----do---------- | -----do---------- | 1.56 | 1.56 | Nov. 1954 | -- | 23.78 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1965 | 10.92 | 16.05 | -- | *75 | .45 | 734 | |
| 58-12 | Pearson #10------------ | -----do---------- | -----do---------- | .71 | .71 | Mar. 1955 | -- | 20.19 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1957 | 2.17 | 18.04 | -- | *75 | 1.39 | 2,262 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1958 | .67 | 17.99 | -- | *75 | .14 | 228 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1958 | .75 | 17.58 | -- | *75 | .76 | 1,241 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1965 | 7 | 16.05 | -- | *75 | .31 | 505 | |
| 58-13 | Pearson #18------------ | -----do---------- | -----do---------- | 1.8 | 1.8 | Mar. 1955 | -- | 15.6 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1965 | 10.67 | 2.2 | -- | *75 | .7 | 1,142 | |
| 58-14 | Pearson #20------------ | -----do---------- | -----do---------- | 5/.16 | 5/.16 | Mar. 1955 | -- | 6.55 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1965 | 10.58 | 5.77 | -- | *75 | .46 | 752 | |

COLORADO RIVER BASIN (BELOW HOOVER DAM)
Williams and Lower Gila River Basins

59-

GILA RIVER BASIN

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60-1 | Lake Pleasant----------- | Agua Fria River-------- | Phoenix, Ariz.----- | 1,450 | 1,444 | Apr. 1928 | -- | 184,500 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1941 | 12.9 | 176,456 | -- | -- | .432 | -- | |
| 60-2a | San Carlos (Coolidge D.) | Gila River------------- | Globe, Ariz.------- | 12,900 | *11,900 | Nov. 1928 | -- | 1,266,837 | 6.054 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1935 | 6.3 | 1,232,725 | 5.891 | -- | .455 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1937 | 1.9 | 1,230,695 | 5.882 | -- | .09 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1947 | 10 | 1,209,343 | 5.78 | -- | .179 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1966 | 19.6 | 1,170,118 | 5.592 | -- | .168 | -- | |
| 60-3 | Stock Tank #16 (Bryce D) | Butler Wash------------ | Eden, Ariz.-------- | .69 | .69 | Mar. 1936 | -- | 11.43 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- 1941 | 5.2 | 5.13 | -- | -- | 1.75 | -- | |
| 60-4 | Roosevelt-Salt R. Proj.- | Salt R. & Tonto Creek-- | Globe, Ariz.------- | 5,760 | 5,760 | May 1909 | -- | 1,522,200 | 1.886 | -- | -- | -- | BR |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1914 | 5.7 | 1,495,460 | 1.853 | *70 | .819 | 1,248 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1916 | 1.8 | 1,460,150 | 1.809 | *70 | 3.35 | 5,107 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1925 | 8.9 | 1,425,813 | 1.767 | *70 | .67 | 1,021 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1935 | 9.3 | 1,418,013 | 1.757 | *70 | .145 | 221 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1939 | 4 | 1,398,430 | 1.733 | *70 | .85 | 1,296 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1946 | 7 | 1,361,580 | 1.712 | *70 | .418 | 637 | |
| 60-5 | Allen------------------- | Trib. of Gila River---- | Thatcher, Ariz.---- | 6/4.17 | 4.13 | -- 1936 | -- | 279 | 2.847 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1958 | 22 | 253 | 2.582 | -- | .27 | -- | |
| 60-6 | "D" Mt. Tank No. 1------ | Whitewater Draw-------- | Douglas, Ariz.----- | .21 | .21 | -- 1917 | -- | 2.94 | .516 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1958 | 41 | 2.54 | .446 | *75 | .05 | 82 | |
| 60-7 | "D" Mt. No. 2----------- | -----do---------- | -----do---------- | 10.92 | 10.92 | -- 1938 | -- | 2.55 | .009 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1958 | 20 | .7 | .002 | *75 | .008 | 13 | |
| 60-8 | "D" Mt. No. 3----------- | -----do---------- | -----do---------- | 2.48 | 2.48 | Sept 1947 | -- | 14.7 | .218 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1958 | 7/7 | 0 | 0 | *85 | .85 | 1,573 | |
| 60-9 | "D" Mt. No. 4----------- | -----do---------- | -----do---------- | .36 | .36 | Mar. 1942 | -- | .43 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1958 | 7/12 | 0 | -- | *90 | .1 | 196 | |
| 60-10 | "D" Mt. No. 5----------- | -----do---------- | -----do---------- | 12.3 | 12.3 | -- 1943 | -- | 3 | .009 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1958 | 8/5 | 2.7 | .008 | *75 | .006 | 10 | |

1/ Runoff seasons.
2/ Compacted sediment for 1,080 sq. mi.; values for 16,030 sq. mi. are given in appendix summaries.
3/ Increase in capacity due mainly to compaction.
4/ Only surface samples (1.0-3.1 ft.) in approximately 1/3 of reservoir area below spillway crest.
5/ Drainage area is 100 ac. plus pipe flow from Pearson #11, which has a drainage area of 10 ac., plus pipe and emergency spillway flow from Pearson #18, which has a drainage area of 1.80 sq. mi.
6/ Drainage area includes 1.87 sq. mi. diverted from Hawk Hollow.
7/ Reservoir was full of sediment in 1954.
8/ Constructed 1943, cleaned 1953.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | | GILA RIVER BASIN (Continued) | | | | | | | | | |
| 60-11 | "D" Mt. Pond No. 6 | Whitewater Draw | Douglass, Ariz. | 5.68 | 5.68 | -- 1941 | -- | .8 | .005 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. 1958 | 1/6 | .6 | .004 | *75 | .006 | 10 | |
| 60-12 | Dos Cabezas No. 4 SW | Trib. Wilcox Dry Lake | Dos Cabezas, Ariz. | .6 | .6 | -- 1949 | -- | 6 | .312 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. 1960 | 11 | 4.1 | .214 | *90 | .29 | 559 | |
| 60-13a | Dos Cabezas No. 15 | do | do | .38 | .38 | -- 1940 | -- | 4.7 | .385 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1960 | 20 | 2.8 | .23 | *90 | .26 | 510 | |
| 60-14 | Halfmoon | Trib. of Gila River | Florence, Ariz. | .2 | .2 | -- 1941 | -- | 6.8 | 1.889 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1960 | 19 | 3.9 | 1.083 | *85 | .75 | 1,388 | |
| 60-15 | Homestead | do | do | .9 | .9 | -- 1954 | -- | 6 | .368 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1960 | 6 | 1.83 | .112 | *90 | .78 | 1,530 | |
| 60-16 | Lower Foote Wash | Foote Wash | Safford, Ariz. | 4.8 | 2/.63 | -- 1936 | -- | 14.8 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1958 | 22 | 13 | -- | -- | .13 | -- | |
| 60-17 | Magma No. 1 | Magma Wash | Florence, Ariz. | 1.78 | 1.78 | -- 1948 | -- | 5.7 | .176 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1959 | 11 | 2.7 | .084 | *80 | .15 | 261 | |
| 60-18 | Magma No. 2 | do | do | .38 | .38 | Feb. 1954 | -- | 1.6 | .232 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1959 | 5.4 | 1.3 | .188 | *85 | .15 | 278 | |
| 60-19a | Magma No. 3 | do | do | 21.9 | *7 | -- 1949 | -- | 6 | -- | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1959 | 10 | 3.8 | -- | *75 | .03 | 49 | |
| 60-20 | Riggs | Trib. Wilcox Dry Lake | Dos Cabezas, Ariz. | .6 | .6 | -- 1946 | -- | 1.9 | .099 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1960 | 14 | 1.4 | .073 | *80 | .06 | 105 | |
| 60-21 | Upper Foote Wash | Foote Wash | Safford, Ariz. | 4.95 | 4.95 | -- 1936 | -- | 24.2 | .209 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1958 | 22 | 19.5 | .168 | -- | .04 | -- | |
| 60-22 | Whitlow Old Tank | Trib. of Gila River | Florence, Ariz. | .74 | .74 | -- 1950 | -- | 3.4 | .254 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | June 1960 | 10 | 1.8 | .134 | *85 | .23 | 426 | |
| 60-23a | Bartlett | Verde | Sunflower, Ariz. | 5,812 | 190 | Feb. 1939 | -- | 182,608 | -- | -- | -- | -- | BR |
| | do | do | do | -- | -- | Aug. 1942 | 3.5 | 179,480 | -- | -- | 3/.154 | -- | |
| | do | do | do | -- | -- | Nov. 1950 | 8.33 | 4/179,548 | -- | -- | -- | -- | |
| | do | do | do | -- | -- | Jan. 1964 | 13.17 | 178,488 | -- | -- | .424 | -- | |
| 60-24a | Horseshoe | do | do | 5,618 | 5,614 | Nov. 1945 | -- | 67,900 | .241 | -- | -- | -- | BR |
| | do | do | do | -- | -- | Oct. 1950 | 4.9 | 5/142,830 | .507 | -- | .044 | -- | |
| | do | do | do | -- | -- | Nov. 1963 | 13.1 | 139,238 | .494 | -- | .049 | -- | |
| 60-25 | Foote Wash Pond #3 | Trib. of Foote Wash | Safford, Ariz. | .6 | .58 | -- 1936* | -- | 19.1 | *1.705 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Jan. 1964 | *28 | 17.1 | *1.527 | 76.2 | .12 | 199 | |
| 60-26 | Foote Wash Pond #4 | Trib. of Gila River | do | .33 | .33 | -- 1936* | -- | 6.462 | *1.049 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Jan. 1964 | *28 | 5.325 | *.864 | 72.6 | .12 | 190 | |
| 60-27 | Williams-Chandler Pd. #1 | Trib. of Queen Creek | Florence Junction, Ariz. | 1.09 | 1.09 | -- 1931 | -- | 2.1 | .197 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1961 | 30 | 1 | .094 | 60 | .033 | 43 | |
| 60-28a | Williams-Chandler Pd. #2 | do | do | .65 | .65 | -- 1944 | -- | 10.82 | 1.56 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1961 | 17 | 9.35 | 1.35 | 60 | .13 | 174 | |
| | do | do | do | -- | -- | Jan. 1974 | 12.5 | 8.87 | 1.28 | -- | .06 | -- | |
| 60-29 | Big Horn Mt. Tank #1 | Trib. Centennial Wash | Tonopah, Ariz. | .51 | .51 | June 1960 | -- | 21.3 | *7.83 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1964 | 4.3 | 21.06 | *7.74 | 47.6 | .11 | 114 | |
| 60-30 | Big Horn Mt. Tank #2 | do | do | .44 | .44 | July 1960 | -- | 11.46 | *4.88 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1964 | 4.3 | 11.26 | *4.79 | *50 | .11 | 120 | |
| 60-31 | Centennial Wash Tank | do | do | 6/.6 | 6/.6 | -- 1954* | -- | 1.27 | .397 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1965 | *11 | .67 | .209 | 91.97 | .09 | 180 | |
| 60-32 | New Tank | do | do | 6/1.88 | 6/1.88 | -- 1945 | -- | 7.61 | .759 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | May 1965 | 20 | 4.08 | .407 | 77.12 | .094 | 158 | |
| 60-33 | West Tank | do | Salome, Ariz. | .29 | .29 | June 1960 | -- | 10.09 | *6.51 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1964 | 4.3 | 9.93 | *6.41 | 52.5 | .13 | 149 | |
| 60-34 | Upper Twin Tank | Tiger Wash | Aguila, Ariz. | 1.83 | 1.83 | Oct. 1944* | -- | 2.21 | *.228 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1964 | 20 | 7/1.68 | *.173 | 46 | .015 | 15 | |
| 60-35 | Harquahala Mt. Tank #1 | Trib. Brown's Canyon Wash | do | .11 | .11 | June 1958 | -- | 6.64 | *11.25 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1964 | 6.3 | 6.5 | *11.02 | *50 | .18 | 196 | |
| 60-36 | Judia Wash Retarding Dam | Judia Wash | Solomon, Ariz. | 4.6 | 4.57 | Jan. 1957 | -- | 158.79 | *1.849 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Jan. 1964 | 7 | 154.24 | *1.796 | 76.9 | .14 | 234 | |
| | do | do | do | -- | -- | July 1964 | .6 | 153.16 | *1.784 | *76.9 | .39 | 653 | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60-37a | Three Bar B Debris Basin | Trib. of Rock Creek---- | Roosevelt, Ariz.-- | .073 | .073 | Aug. 1959 | -- | 8/.23 | .05 | -- | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1960 | 1.17 | -- | -- | *110 | 9/18.77 | 9/44,969 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1961 | 1 | -- | -- | *110 | 9/4.66 | 9/11,159 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1962 | 1 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1964 | 2 | -- | -- | *110 | 9/.55 | 9/1,313 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1965 | 1 | -- | -- | *110 | 9/.14 | 9/328 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1966 | 1 | -- | -- | *110 | 9/.27 | 9/656 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1967 | 1 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1968 | 1 | -- | -- | *110 | 9/.14 | 9/328 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1969 | 1 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1970 | 1 | -- | -- | *110 | 0 | 0 | | |
| 60-38a | Three Bar C Debris Basin | -----do----------- | -----do----------- | .149 | .149 | Aug. 1959 | -- | 8/.08 | .002 | -- | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1960 | 1.17 | -- | -- | *110 | 9/5.57 | 9/13,345 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1961 | 1 | -- | -- | *110 | 9/.67 | 9/1,608 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1962 | 1 | -- | -- | *110 | 9/.67 | 9/1,608 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1964 | 2 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1965 | 1 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1966 | 1 | -- | -- | *110 | 9/.34 | 9/804 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1967 | 1 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1968 | 1 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1969 | 1 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1970 | 1 | -- | -- | *110 | 0 | 0 | | |
| 60-39a | Three Bar D Debris Basin | -----do----------- | -----do----------- | .126 | .126 | Aug. 1959 | -- | 8/.21 | .01 | -- | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1960 | 1.17 | -- | -- | *110 | 9/12.7 | 9/30,427 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1961 | 1 | -- | -- | *110 | 9/3.73 | 9/8,937 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1962 | 1 | -- | -- | *110 | 9/.63 | 9/1,521 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1964 | 2 | -- | -- | *110 | 9/.04 | 9/95 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1965 | 1 | -- | -- | *110 | 9/.08 | 9/190 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1966 | 1 | -- | -- | *110 | 9/.08 | 9/190 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1967 | 1 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1968 | 1 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1969 | 1 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1970 | 1 | -- | -- | *110 | 0 | 0 | | |
| 60-40a | Three Bar F Debris Basin | -----do----------- | -----do----------- | .107 | .107 | Mar. 1963 | -- | 8/.04 | .004 | -- | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1963 | .51 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1964 | 1 | -- | -- | *110 | 9/.37 | 9/886 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1965 | 1 | -- | -- | *110 | 9/.09 | 9/224 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1966 | 1 | -- | -- | *110 | 9/.19 | 9/448 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1967 | 1 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1968 | 1 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1969 | 1 | -- | -- | *110 | 0 | 0 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. 1970 | 1 | -- | -- | *110 | 10/.08 | 10/2,016 | | |
| 60-41a | Bennett 14---------- | Walnut Gulch---------- | Tombstone, Ariz.-- | .6 | .6 | June 1961 | -- | 18 | .75 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | June 1967 | 6 | 17 | .71 | 75 | .33 | 539 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | July 1973 | 6 | 16 | .67 | 75 | .20 | 327 | | |
| 60-42a | Cowan 7------------- | -----do----------- | -----do----------- | .4 | .4 | June 1963 | -- | 14 | 1.9 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | June 1967 | 4 | 13.8 | 1.8 | 75 | .12 | 196 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Jan. 1973 | 6 | 13.1 | 1.7 | 75 | .25 | 408 | | |
| 60-43 | Horsethief Basin-------- | Horsethief Canyon------ | Crown King, Ariz.- | .85 | .85 | -- | 1934 | -- | 42.4 | .44 | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Nov. 1969 | 36 | 35.6 | .37 | -- | .22 | -- | | |
| 60-44 | Lynx Lake----------- | Lynx Creek------------ | Prescott, Ariz.---- | 18.14 | *10 | Nov. 1962 | -- | 1,472 | 1.07 | -- | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Nov. 1968 | 6 | 1,460 | 1.06 | -- | .197 | -- | | |
| 60-45 | Granite Basin----------- | Mint Wash------------- | -----do----------- | 4.69 | *4.69 | -- | 1939 | -- | 89 | *.32 | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. 1967 | 28 | 58 | *.21 | -- | .236 | -- | | |
| 60-46 | Keller Tank------------ | Trib. Verde River------ | Scottsdale, Ariz.- | .06 | .06 | Apr. 1941 | -- | -- | -- | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. 1970 | 29.2 | 1.529 | *1.91 | -- | .09 | -- | | |
| 60-47 | Galleta Tank------------ | Trib. Cent. Wash------- | Tonopah, Ariz.----- | .66 | .645 | June 1939 | -- | -- | -- | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Apr. 1967 | 27.9 | 21 | 6.63 | 74.8 | .21 | 342 | | |
| 60-48 | Wellick Tank------------ | Trib. Flying "E" Wash-- | Wickenburg, Ariz.- | .79 | .77 | May 1956 | -- | 79.1 | 20.87 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept 1970 | 14.3 | 77.3 | 20.39 | 94.1 | .16 | 328 | | |
| 60-49 | Pouquette Tank---------- | Trib. Cemetery Wash---- | -----do----------- | .13 | .129 | May 1965 | -- | .99 | 1.59 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Dec. 1970 | 5.6 | .91 | 1.46 | 88.2 | .1 | 192 | | |
| 60-50 | Frye Creek (No. 3)------ | Frye Creek------------ | Thatcher, Ariz.---- | 26 | 21.4 | Apr. 1963 | -- | 2,194 | 3.8 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | May 1968 | 5 | 2,109.5 | 3.7 | 78.7 | .79 | 1,354 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | May 1974 | 6 | 2,107.7 | 3.7 | 89.2 | .014 | 178 | | |

LITTLE COLORADO AND SAN JUAN RIVER BASINS

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61-1 | Oak Creek Reservoir----- | Trib. of Zuni River---- | Zuni, N. Mex.------ | 9.41 | 9.41 | Oct. 1954 | -- | 334.8 | 1.425 | -- | -- | -- | -- | GS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | May 1960 | 11/6 | 148 | .63 | -- | 3.32 | -- | | |
| 61-2b | Millet Swale Reservoir-- | Trib. of Silver Creek-- | Taylor, Ariz.------ | 40 | 39.7 | June 1959 | -- | 1,342 | 2.1 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | June 1962 | 3 | 1,259.4 | 1.97 | 67 | .69 | 1,012 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | June 1966 | 4 | 1,118.5 | 1.75 | 80 | .89 | 1,693 | | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | July 1972 | 6 | 969.2 | 1.51 | 83.6 | .63 | 1,215 | | |
| 61-3 | Stockyard Tank---------- | Trib. Cottonwood Wash-- | Snowflake, Ariz.--- | .48 | .476 | -- | 1943 | -- | 6.04 | *.79 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | May 1968 | 25 | 4.02 | *.52 | 101.6 | .17 | 376 | | |
| 61-4 | Thomas Tank I----------- | -----do----------- | -----do----------- | .55 | .549 | -- | 1947 | -- | 3.09 | *.35 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | June 1968 | 21 | 1.38 | *.16 | 77.9 | .15 | 250 | | |

1/ Constructed 1941, cleaned 1952.
2/ This reservoir is downstream from Upper Foote Wash Reservoir. Little or no sediment is contributed from the 4.17 sq. mi. above this dam.
3/ Based on total drainage area of 5,812 sq. mi. before construction of Horseshoe Dam upstream.
4/ Increase in capacity probably due to compaction.
5/ Capacity increased 76,130 ac.-ft. by installation of spillway gates in June 1950.
6/ Drainage area is smallest area that could be positively delineated.
7/ Storage capacity at original spillway crest elevation - storage capacity at eroded spillway elevation 0.53 ac.-ft.
8/ Basin cleaned as needed to maintain capacity.
9/ Includes sediment trapped above spillway level.
10/ Basin filled during storm of 9-5-70 and undetermined amount of sediment escaped from pond.
11/ Runoff seasons.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | LITTLE COLORADO AND SAN JUAN RIVER BASINS (Continued) | | | | | | | |
| 61-5 | Ellsworth Tank---------- | Trib. Show Low Creek--- | Taylor, Ariz.-------- | .25 | .249 | -- 1948 | -- | 1.5 | *.23 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1968 | 20 | 1.27 | *.19 | 80 | .044 | 79 | |
| 61-6 | New Tank---------- | Trib. Cottonwood Wash-- | Snowflake, Ariz.-- | 2.45 | 2.45 | --- 1938 | -- | 10.13 | *.15 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1968 | 30 | 9.1 | *.14 | 87.7 | .014 | 27 | |
| 61-7 | West Hall Tank---------- | -----do---------- | Clay Springs, Ariz | .32 | .32 | -- 1944 | -- | .76 | *.09 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1968 | 24 | .61 | *.07 | 93.4 | .02 | 41 | |
| 61-8 | Thomas Tank II---------- | Trib. Perkins Spr. Draw | -----do---------- | .1 | .1 | June 1964 | -- | 1.39 | *.52 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1968 | 4 | 1.35 | *.5 | 89.3 | .1 | 194 | |
| | | | | | | COLORADO RIVER BASIN (HALLS CROSSING TO HOOVER DAM) | | | | | | | |
| 62-1a | Lake Mead (Hoover Dam)-- | Colorado River--------- | Boulder City, Nev. | 167,800 1/ | 167,600 | Feb. 1935 | -- | 32,471,000 | 2.8 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1948 | 13.7 | 31,047,000 | 2.67 | 2/65 | .621 | 879 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1964 | 16 | 29,755,000 | 2.56 | 60 | .482 | 572 | |
| 62-2 | Brooksby Tank---------- | Trib. of Johnson Wash-- | Fredonia, Ariz.--- | .4 | .4 | -- 1951 | -- | .697 | .327 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1965 | 3/14 | .14 | .066 | 97 | 3/.10 | 211 | |
| 62-3 | Riggs Flat Charco-------- | Sandy Canyon Wash------ | -----do---------- | 57.86 | 57.83 | Oct. 1956 | -- | 54.93 | .178 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1965 | 8.9 | 36.58 | .119 | 72 | .035 | 55 | |
| 62-4 | Leroy Judd Tank---------- | Trib. of Kanab Creek--- | -----do---------- | .38 | .38 | -- 1962 | -- | .95 | .468 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1965 | 3 | .22 | .108 | 105.7 | .63 | 1,450 | |
| 62-5 | Kaibab Indian Reservation Erosion Control Structure. | -----do---------- | Indian Moccasin, Ariz. | 1.27 | 1.27 | -- 1935 | -- | 6.008 | .887 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1965 | 30 | 2.247 | .332 | 87.2 | .098 | 186 | |
| 62-6 | Jesse Judd Tank---------- | -----do---------- | Fredonia, Ariz.--- | 4/3.49 | 4/3.49 | -- 1955 | -- | 7.1 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1965 | 5/10 | 2.77 | -- | *80 | 5/.12 | 209 | |
| 62-7 | Frog Hollow Detention Res. | Frog Hollow Wash------- | Hurricane, Utah--- | 9.2 | 9.2 | Jan. 1957 | -- | 223 | *1.517 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1958 | *1 | 216.4 | *1.472 | *80 | .72 | 1,255 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1965 | 7.8 | 140.8 | *.958 | *80 | 1.05 | 1,830 | |
| 62-8 | CCC Pond (West)---------- | Trib. Santa Clara River | St. George, Utah-- | .03 | .03 | -- 1941 | -- | -- | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1966 | 25 | *.2 | *.63 | 92 | 6/.23 | 461 | |
| 62-9 | CCC Pond (East)---------- | -----do---------- | -----do---------- | .32 | .32 | -- 1941 | -- | -- | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1966 | 25 | *.2 | *.06 | 90 | 6/.017 | 33 | |
| 62-10 | Rondo Ruesch Debris Basin #2 | Trib. Virgin River----- | -----do---------- | .026 | .026 | -- 1944 | -- | -- | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1966 | 22 | *1.5 | *5.3 | *90 | 6/3.35 | 6,566 | |
| 62-11 | Rondo Ruesch Debris Basin #1 | -----do---------- | -----do---------- | .09 | .09 | -- 1944 | -- | -- | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1966 | 22 | *1 | *1 | *90 | 6/.61 | 1,196 | |
| 62-12 | Iliff Andrus------------ | Trib. Warner Draw------ | -----do---------- | 1.09 | 1.08 | -- 1949 | -- | -- | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1966 | 17 | *20 | *2.2 | 78 | 6/.76 | 1,290 | |
| 62-13 | Winfred Spendlove-------- | Trib. Fort Pearce Wash- | -----do---------- | .85 | .84 | -- 1946 | -- | -- | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1966 | 20 | *7 | *1.1 | 87.5 | 6/.42 | 800 | |
| 62-14 | Black Knolls------------ | Trib. City Creek------- | -----do---------- | .59 | .58 | -- 1922 | -- | -- | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1965 | 43 | *20 | *3.2 | *75 | .34 | 555 | |
| 62-15 | Little Grassy Pond------ | Unknown---------- | -----do---------- | 2.3 | 2.3 | -- 1943 | -- | -- | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1966 | 23 | *2 | -- | 94 | 6/.043 | 88 | |
| 62-16 | Bill Snow Pond---------- | Trib. Santa Clara River | -----do---------- | .057 | .057 | -- 1956 | -- | -- | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | --- | -- | June 1966 | 10 | *2 | *3.3 | 72 | 6/1.79 | 2,820 | |
| 62-17 | Manganese Wash---------- | Manganese Wash---------- | -----do---------- | .17 | .17 | -- 1956 | -- | -- | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1966 | 10 | *1 | *.2 | 80 | 6/.38 | 662 | |
| 62-18 | Hollinger Debris Basin-- | Meadow Valley Wash----- | Pioche, Nev.------- | 200 | 200 | -- 1962 | -- | 7/437.1 | *.2 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1962 | 10 | 383.7 | *.18 | *80 | .03 | 52 | |
| | | | | | | COLORADO RIVER BASIN (ABOVE HALLS CROSSING) Gunnison, Dolores and Fremont River Basins | | | | | | | |
| 63-1 | Badger Detention (14)--- | Badger Wash------------ | Mack, Colo.-------- | 1.53 | * 1.49 | May 1957 | -- | 201.52 | 3.336 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1958 | 1.6 | 199.35 | 3.3 | -- | .91 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1959 | 1 | 196.27 | 3.25 | -- | 2.07 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1961 | 2 | 190.38 | 3.152 | -- | 1.97 | -- | |
| 63-2 | Badger Wash West Twin (2A) | -----do---------- | -----do---------- | .167 | .165 | Dec. 1953 | -- | 6.3 | .957 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1955 | 1.6 | 4.47 | .679 | -- | 6.91 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1956 | 1.4 | 4.47 | .679 | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1957 | 1 | 3.98 | .605 | -- | 2.97 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1958 | 1 | 3.98 | .605 | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1959 | 1 | 3.65 | .555 | -- | 2 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1961 | 2 | 2.43 | .369 | -- | 3.7 | -- | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63-3 | Badger Wash Lower Oil Well (3A) | -----do----- | -----do----- | .059 | .055 | Dec. 1953 | -- | 12.9 | 4.813 | -- | -- | -- | GS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1955 | 1.6 | 12.65 | 4.72 | -- | 2.91 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1956 | 1.4 | 12.65 | 4.72 | -- | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1957 | 1 | 12.55 | 4.683 | -- | 1.82 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1958 | 1 | 12.55 | 4.683 | -- | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1959 | 1 | 12.33 | 4.601 | -- | 4 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1961 | 2 | 12.12 | 4.522 | -- | 1.82 | -- | |
| 63-4 | East Basin (11)----- | -----do----- | -----do----- | .089 | .087 | Apr. 1954 | -- | 5.45 | 1.135 | -- | -- | -- | GS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1956 | 2.6 | 4.92 | 1.025 | -- | 2.3 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1957 | 1 | 4.76 | .992 | -- | 1.84 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1959 | 2 | 4.65 | .969 | -- | .69 | -- | |
| 63-5 | Middle Basin (12)----- | -----do----- | -----do----- | .092 | .088 | Apr. 1954 | -- | 16.93 | 2.996 | -- | -- | -- | GS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1956 | 2.6 | 15.87 | 2.809 | -- | 4.66 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1957 | 1 | 15.38 | 2.722 | -- | 5.57 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1959 | 2 | 15.32 | 2.712 | -- | .34 | -- | |
| 63-6b | Prairie Dog (4A)----- | Trib. Badger Wash----- | -----do----- | .022 | .022 | Dec. 1953 | -- | 3.05 | 4.36 | -- | -- | -- | GS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1955 | 1.6 | 2.64 | 3.77 | *90 | 11.8 | 23,130 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1956 | 1.3 | 2.64 | 3.77 | *90 | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1957 | 1 | 2.49 | 3.56 | *90 | 6.82 | 13,365 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1958 | 1.1 | 2.49 | 3.56 | *90 | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1959 | 1 | 2.43 | 3.47 | *90 | 2.73 | 5,346 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1961 | 2 | 2.28 | 3.26 | *90 | 3.18 | 6,682 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1963 | 2 | 2.17 | 3.1 | *90 | 2.27 | 4,900 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1964 | 1 | 2.03 | 2.9 | *90 | 6.36 | 12,474 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1965 | 1 | 1.82 | 2.6 | *90 | 9.55 | 18,711 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1966 | 1 | 1.91 | 2.73 | *90 | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1967 | 1 | 1.8 | 2.57 | *90 | 5.5 | 9,801 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1968 | 1 | 1.66 | 2.37 | *90 | 6.36 | 10,494 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1970 | 1.6 | 8/2.52 | 3.6 | *90 | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1970 | .4 | 2.5 | 3.57 | *90 | 2.27 | 4,455 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1971 | 1 | 2.44 | 3.48 | *90 | 2.73 | 5,351 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1972 | 1 | 2.41 | 3.44 | *90 | 1.36 | 2,666 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1973 | 1 | 2.42 | 3.46 | *90 | 0 | 0 | |
| 63-7 | Southeast (13)----- | Badger Wash----- | -----do----- | .484 | .477 | Apr. 1954 | -- | 27.25 | 1.854 | -- | -- | -- | GS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1956 | 2.6 | 24.85 | 1.69 | -- | 1.93 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1957 | 1 | 23.44 | 1.595 | -- | 2.96 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1959 | 2 | 22.26 | 1.514 | -- | 1.24 | -- | |
| 63-8b | Upper Hanks (1A)----- | Trib. Badger Wash----- | -----do----- | .066 | .066 | Dec. 1953 | -- | 8.3 | 3.81 | -- | -- | -- | GS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1955 | 1.6 | 7.59 | 3.48 | *90 | 6.68 | 13,094 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1956 | 1.3 | 7.59 | 2.56 | *90 | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1957 | 1 | 7.34 | 3.37 | *90 | 3.78 | 7,425 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1958 | 1.1 | 7.34 | 3.37 | *90 | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1959 | 1 | 7.04 | 3.23 | *90 | 4.55 | 9,061 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1961 | 2 | 6.7 | 3.07 | *90 | 2.73 | 5,198 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1963 | 2 | 6.59 | 3.02 | *90 | .83 | 1,634 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1964 | 1 | 6.55 | 3 | *90 | .6 | 1,188 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1965 | 1 | 6.1 | 2.84 | *90 | 6.82 | 13,365 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1966 | 1 | 6.16 | 2.82 | *90 | 9/-- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1967 | 1 | 6 | 2.75 | *90 | 2.41 | 4,752 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1968 | 1 | 5.48 | 2.51 | *90 | 7.84 | 15,444 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1969 | 1 | 5.54 | 2.54 | *90 | 9/-- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1970 | 1 | 5.54 | 2.54 | *90 | 0 | 0 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1971 | 1 | 5.28 | 2.42 | *90 | 3.94 | 7,722 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1972 | 1 | 5.33 | 2.44 | *90 | 9/-- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1973 | 1 | 5.22 | 2.39 | *90 | 1.66 | 3,254 | |
| 63-9a | West Twin (2-A)----- | -----do----- | -----do----- | .148 | .148 | Dec. 1953 | -- | 6.3 | 1.31 | -- | -- | -- | GS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1955 | 1.6 | 4.38 | .91 | *90 | 8.1 | 15,878 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1956 | 1.3 | 4.38 | .91 | *90 | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1957 | 1 | 3.9 | .81 | *90 | 3.24 | 6,357 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1958 | 1.1 | 3.9 | .81 | *90 | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1959 | 1 | 10/15.08 | 3.13 | *90 | 1.49 | 2,914 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1961 | 2 | 13.86 | 2.88 | *90 | 4.12 | 8,079 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1963 | 2 | 13.52 | 2.8 | *90 | 1.15 | 2,252 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1964 | 1 | 12.39 | 2.57 | *90 | 7.64 | 14,966 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1965 | 1 | 12.06 | 2.5 | *90 | 2.23 | 4,371 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1966 | 1 | 12.1 | 2.51 | *90 | 9/-- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1967 | 1 | 11.53 | 2.39 | *90 | 3.85 | 7,549 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1968 | 1 | 10.56 | 2.09 | *90 | 6.55 | 12,847 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1969 | 1 | 10.64 | 2.1 | *90 | 9/-- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1970 | 1 | 10.64 | 2.21 | *90 | 0 | 0 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1971 | 1 | 10.74 | 2.23 | *90 | 9/-- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1972 | 1 | 10.59 | 2.2 | *90 | 1.01 | 1,980 | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1973 | 1 | 10.69 | 2.22 | *90 | 9/-- | -- | |

1/ Not adjusted for numerous small reservoirs.
2/ Based on measured and estimated sediment inflow of 2,000,000,000 tons in 13.7 yr. period.
3/ Estimated effective life of pond is 5 yr. 1951 - 1956.
4/ Reservoir is off main channel. Estimate reservoir intercepts 1/3 of flow and sediment from total drainage area.
5/ Effective life of reservoir is estimated at 8 yr. Storm in 1963 filled reservoir and changed channel course.
6/ Includes deposition above spillway crest level.
7/ Sediment pool only.
8/ Reservoir cleaned in June 1970.
9/ Capacity increase.
10/ Dam and spillway raised in 1959.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | COLORADO RIVER BASIN (ABOVE HALLS CROSSING) Gunnison, Dolores, and Fremont River Basins (Continued) | | | | | | | | | |
| 63-10a | Oil Well (3-A)---------- | Trib. of Badger Wash--- | Mack, Colo.-------- | .059 | .059 | Dec. 1953 | -- | 12.92 | 5.71 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1955 | 1.6 | 12.18 | 5.39 | *90 | 7.8 | 15,289 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1956 | 1.3 | 12.18 | 5.39 | *90 | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1957 | 1 | 11.9 | 5.26 | *90 | 4.75 | 9,302 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1958 | 1.1 | 11.9 | 5.26 | *90 | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1959 | 1 | 11.64 | 5.15 | *90 | 4.4 | 8,638 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1961 | 2 | 11.31 | 5 | *90 | 2.71 | 5,482 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1963 | 2 | 11.25 | 4.98 | *90 | .51 | 997 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1964 | 1 | 11.21 | 4.96 | *90 | .68 | 1,329 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1965 | 1 | 10.73 | 4.75 | *90 | 8.14 | 15,947 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1966 | 1 | 10.82 | 4.79 | *90 | 1/-- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1967 | 1 | 10.62 | 4.7 | *90 | 3.39 | 6,645 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1968 | 1 | 10.15 | 4.49 | *90 | 7.96 | 15,615 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1969 | 1 | 10.13 | 4.48 | *90 | .34 | 664 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1970 | 1 | 9.99 | 4.42 | *90 | 2.38 | 4,651 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1971 | 1 | 9.95 | 4.4 | *90 | .68 | 1,329 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1972 | 1 | 9.91 | 4.38 | *90 | .68 | 1,329 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1973 | 1 | 9.84 | 4.35 | *90 | 1.19 | 2,333 | |
| 63-11a | Windy Point (4-B)------- | -----do---------- | -----do---------- | .019 | .019 | Dec. 1953 | -- | 4.52 | 9.62 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1955 | 1.6 | 4.31 | 9.17 | *90 | 6.85 | 13,427 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1956 | 1.3 | 4.31 | 9.17 | *90 | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1957 | 1 | 4.19 | 8.91 | *90 | 6.32 | 12,380 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1958 | 1.1 | 4.19 | 8.91 | *90 | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1959 | 1 | 4.16 | 8.85 | *90 | 1.58 | 3,095 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1961 | 2 | 4.14 | 8.8 | *90 | .53 | 1,032 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1963 | 2 | 4.12 | 8.76 | *90 | .53 | 1,032 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1964 | 1 | 4.03 | 8.57 | *90 | 4.74 | 9,285 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1965 | 1 | 3.89 | 8.28 | *90 | 7.37 | 14,443 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1966 | 1 | 3.89 | 8.28 | *90 | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1967 | 1 | 3.81 | 8.11 | *90 | 4.21 | 8,253 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1968 | 1 | 3.74 | 7.96 | *90 | 3.68 | 7,222 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1969 | 1 | 3.83 | 8.15 | *90 | 1/-- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1970 | 1 | 3.83 | 8.15 | *90 | 0 | 0 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1971 | 1 | 3.83 | 8.15 | *90 | 0 | 0 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1972 | 1 | 3.82 | 8.13 | *90 | .53 | 1,039 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1973 | 1 | 3.81 | 8.11 | *90 | .53 | 1,039 | |
| 63-12a | Yucca (2-B)------------- | -----do---------- | -----do---------- | .158 | .158 | Dec. 1953 | -- | 8.45 | 2.14 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1955 | 1.6 | 6.05 | 1.53 | *90 | 9.5 | 18,622 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1956 | 1.3 | 6.05 | 1.53 | *90 | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1957 | 1 | 5.94 | 1.5 | *90 | .7 | 1,365 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1958 | 1.1 | 5.94 | 1.5 | *90 | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1959 | 1 | 2/24.8 | 6.28 | *90 | 2.15 | 2,840 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1961 | 2 | 24.18 | 6.12 | *90 | 1.96 | 3,846 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1963 | 2 | 23.89 | 6.05 | *90 | .95 | 1,110 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1964 | 1 | 23.45 | 5.94 | *90 | 2.78 | 5,459 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1965 | 1 | 23.15 | 5.86 | *90 | 1.9 | 3,722 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1966 | 1 | 23.23 | 5.88 | *90 | 1/-- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1967 | 1 | 22.86 | 5.79 | *90 | 2.34 | 4,590 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1968 | 1 | 21.88 | 5.54 | *90 | 6.2 | 12,158 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1969 | 1 | 22.12 | 5.6 | *90 | 1/-- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1970 | 1 | 22.12 | 5.6 | *90 | 0 | 0 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1971 | 1 | 22.16 | 5.61 | *90 | 1/-- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1972 | 1 | 22.13 | 5.6 | *90 | .19 | 372 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1973 | 1 | 22.01 | 5.57 | *90 | .76 | 1,490 | |
| 63-13a | North Basin (3-B)------- | -----do---------- | -----do---------- | .048 | .048 | Dec. 1953 | -- | 8.1 | 4.6 | -- | -- | -- | GS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1955 | 1.6 | 7.69 | 4.37 | *90 | 5.42 | 10,624 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1956 | 1.3 | 7.69 | 4.37 | *90 | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1957 | 1 | 7.58 | 4.31 | *90 | 2.29 | 4,492 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1958 | 1.1 | 7.58 | 4.31 | *90 | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1959 | 1 | 7.51 | 4.27 | *90 | 1.46 | 2,859 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1961 | 2 | 7.38 | 4.19 | *90 | 1.46 | 2,654 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1963 | 2 | 7.1 | 4.03 | *90 | 2.92 | 5,717 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1964 | 1 | 7.05 | 4 | *90 | 1.04 | 2,042 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1965 | 1 | 6.81 | 3.87 | *90 | 5 | 9,801 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1966 | 1 | 6.81 | 3.87 | *90 | 0 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1967 | 1 | 6.54 | 3.72 | *90 | 5.63 | 11,026 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1968 | 1 | 6.07 | 3.45 | *90 | 9.8 | 19,194 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1969 | 1 | 6.18 | 3.51 | *90 | 1/-- | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1970 | 1 | 6.13 | 3.48 | *90 | 1.04 | 2,042 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1971 | 1 | 6.03 | 3.43 | *90 | 2.08 | 4,077 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1972 | 1 | 5.99 | 3.4 | *90 | .83 | 1,627 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1973 | 1 | 5.94 | 3.38 | *90 | 1.04 | 2,039 | | |
| 63-14a | Lower Hanks (1-B)----- | -----do----- | -----do----- | .084 | .084 | Dec. 1953 | -- | 19.8 | 8.69 | -- | -- | -- | | GS |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1955 | 1.6 | 19.17 | 8.41 | *90 | 4.65 | 9,095 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1956 | 1.3 | 19.17 | 8.41 | *90 | 0 | 0 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1957 | 1 | 19.17 | 8.41 | *90 | 0 | 0 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1958 | 1.1 | 19.17 | 8.41 | *90 | 0 | 0 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1959 | 1 | 19.17 | 8.41 | *90 | 0 | 0 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1961 | 2 | 18.85 | 8.27 | *90 | 1.9 | 3,734 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1963 | 2 | 18.74 | 8.22 | *90 | .59 | 1,283 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1964 | 1 | 18.72 | 8.21 | *90 | .24 | 467 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1965 | 1 | 18.38 | 8.06 | *90 | 4.05 | 7,934 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1966 | 1 | 18.42 | 8.08 | *90 | 1/-- | -- | | |
| | -----do----- | -----dc----- | -----do----- | -- | -- | Oct. 1967 | 1 | 18.25 | 8 | *90 | 2.02 | 3,967 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1968 | 1 | 17.63 | 7.73 | *90 | 7.38 | 14,468 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1969 | 1 | 17.6 | 7.72 | *90 | .36 | 700 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1970 | 1 | 17.6 | 7.72 | *90 | 0 | 0 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1971 | 1 | 17.59 | 7.71 | *90 | .12 | 235 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1972 | 1 | 17.62 | 7.73 | *90 | 1/-- | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1973 | 1 | 17.59 | 7.71 | *90 | .36 | 706 | | |
| 63-15a | Boco Mountain No. 1----- | Trib. Alkali Creek----- | Wolcott, Colo.----- | .0116 | .011 | July 1965 | -- | 1.877 | -- | -- | -- | -- | | GS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1965 | .3 | 1.851 | 2.64 | *90 | 7.91 | 15,500 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1966 | 1 | 1.86 | 2.66 | *90 | 1/-- | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1967 | 1 | 1.852 | 2.65 | *90 | .73 | 1,420 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1968 | 1 | 1.842 | 2.63 | *90 | .91 | 1,780 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1969 | 1 | 1.841 | 2.63 | *90 | .09 | 178 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1970 | 1 | 1.837 | 2.62 | *90 | .36 | 710 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1971 | 1 | 1.831 | 2.62 | *90 | .52 | 1,019 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1972 | 1 | 1.826 | 2.61 | *90 | .43 | 843 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1973 | 1 | 1.831 | 2.62 | *90 | 1/-- | -- | | |
| 63-16a | Boco Mountain No. 3----- | -----do----- | -----do----- | .008 | .008 | July 1965 | -- | 1.686 | 3.24 | -- | -- | -- | | GS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1965 | .28 | 1.644 | 3.16 | *90 | 18.8 | 36,850 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1966 | 1 | 1.651 | 3.18 | *90 | 1/-- | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1967 | 1 | 1.634 | 3.14 | *90 | 2.13 | 4,165 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1968 | 1 | 1.637 | 3.15 | *90 | 1/-- | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1969 | 1 | 1.619 | 3.11 | *90 | 2.25 | 4,410 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1970 | 1 | 1.613 | 3.1 | *90 | .75 | 1,470 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1971 | 1 | 1.594 | 3.07 | *90 | 2.38 | 4,665 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1972 | 1 | 1.594 | 3.07 | *90 | 0 | 0 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1973 | 1 | 1.601 | 3.08 | *90 | 1/-- | -- | | |
| 63-17 | Fool Creek Debris Basin- | Fool Creek----- | Fraser, Colo.----- | 1.11 | 1.11 | Oct. 1951 | -- | -- | -- | -- | -- | -- | | FS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1952 | 1 | -- | -- | -- | .032 | 65 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1953 | 1 | -- | -- | -- | .016 | 33 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1954 | 1 | -- | -- | -- | -- | 0 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1955 | 1 | -- | -- | -- | -- | 0 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1956 | 1 | -- | -- | -- | .026 | 53 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1957 | 1 | -- | -- | -- | .051 | 102 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1958 | 1 | -- | -- | -- | .031 | 62 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1959 | 1 | -- | -- | -- | .006 | 12 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1960 | 1 | -- | -- | -- | .01 | 20 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1961 | 1 | -- | -- | -- | .004 | 9 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1962 | 1 | -- | -- | -- | .012 | 24 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1963 | 1 | -- | -- | -- | -- | 0 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1964 | 1 | -- | -- | -- | -- | 0 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1965 | 1 | -- | -- | -- | .018 | 36 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1966 | 1 | -- | -- | -- | .004 | 8 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1967 | 1 | -- | -- | -- | .005 | 10 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1968 | 1 | -- | -- | -- | .008 | 18 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1969 | 1 | -- | -- | -- | .01 | 22 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1970 | 1 | -- | -- | -- | .011 | 25 | | |
| 63-18 | Deadhorse Weir----- | Deadhorse Creek----- | -----do----- | 1.04 | 1.04 | Oct. 1954 | -- | -- | -- | -- | -- | -- | | FS |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1955 | 1 | -- | -- | -- | .003 | 6 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1956 | 1 | -- | -- | -- | .012 | 27 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1957 | 1 | -- | -- | -- | .016 | 36 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1958 | 1 | -- | -- | -- | .006 | 3 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1959 | 1 | -- | -- | -- | .004 | 8 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1960 | 1 | -- | -- | -- | .004 | 8 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1961 | 1 | -- | -- | -- | .001 | 2 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1962 | 1 | -- | -- | -- | .009 | 20 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1963 | 1 | -- | -- | -- | .001 | 1 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1964 | 1 | -- | -- | -- | .001 | 2 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1965 | 1 | -- | -- | -- | .005 | 11 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1966 | 1 | -- | -- | -- | .001 | 1 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1967 | 1 | -- | -- | -- | .0004 | 1 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1968 | 1 | -- | -- | -- | .001 | 2 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1969 | 1 | -- | -- | -- | .002 | 3 | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1970 | 1 | -- | -- | -- | .005 | 11 | | |

1/ Capacity increase.
2/ Dam and spillway raised in 1959.

* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | COLORADO RIVER BASIN (ABOVE HALLS CROSSING) Gunnison, Dolores and Fremont River Basins (Continued) | | | | | | | | | |
| 63-19 | Lexen Creek Weir-------- | Lexen Creek------------ | Fraser, Colo.------ | .48 | .48 | Oct. 1955 | -- | -- | -- | -- | -- | -- | FS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1956 | 1 | -- | -- | -- | .005 | 10 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1957 | 1 | -- | -- | -- | .009 | 18 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1958 | 1 | -- | -- | -- | .011 | 21 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1959 | 1 | -- | -- | -- | .002 | 4 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1960 | 1 | -- | -- | -- | .002 | 4 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1961 | 1 | -- | -- | -- | .0003 | 1 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1962 | 1 | -- | -- | -- | .005 | 9 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1963 | 1 | -- | -- | -- | .0002 | 0 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1964 | 1 | -- | -- | -- | .002 | 3 | |
| | -----do---------------- | -----do---------------- | -----do------------ | --- | -- | Oct. 1965 | 1 | -- | -- | -- | .003 | 6 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1966 | 1 | -- | -- | -- | .002 | 2 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1967 | 1 | -- | -- | -- | .001 | 2 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1968 | 1 | -- | -- | -- | .001 | 2 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1969 | 1 | -- | -- | -- | .001 | 2 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1970 | 1 | -- | -- | -- | .002 | 4 | |
| 63-20 | East St. Louis Cr. Weir- | East St. Louis Creek--- | -----do------------ | 3.1 | 3.1 | Oct. 1964 | 1 | -- | -- | -- | -- | -- | FS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1965 | 1 | -- | -- | *100 | .002 | 5 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1966 | 1 | -- | -- | *100 | .001 | 1 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1967 | 1 | -- | -- | *100 | .002 | 3 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1968 | 1 | -- | -- | *100 | .002 | 4 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1969 | 1 | -- | -- | *100 | .001 | 3 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1970 | 1 | -- | -- | *100 | .002 | 4 | |
| 63-21 | RW-1 Roatcap Wash Wshd.- | Roatcap Wash----------- | Olathe, Colo.------ | 11.6 | 11.5 | Dec. 1964 | -- | 829.6 | *7 | -- | -- | -- | SCS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Nov. 1970 | 6 | 810 | *6.9 | -- | .28 | -- | |
| 63-22 | Cheyenne Retention Res.- | Indian Wash------------ | Grand Junction,Colo | .22 | .22 | -- | 1965 | 15.5 | 2.2 | -- | -- | -- | SCS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1975 | 10 | 14.3 | 2 | -- | .55 | -- | |
| 63-23 | Cherokee Retention Res.- | -----do---------------- | -----do------------ | .31 | .31 | -- | 1965 | 20 | 2.4 | -- | -- | -- | SCS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1975 | 10 | 19.1 | 2.3 | -- | .29 | -- | |
| 63-24 | Chippewa Retention Res.- | -----do---------------- | -----do------------ | .24 | .24 | -- | 1965 | 6.8 | .9 | -- | -- | -- | SCS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1975 | 10 | 5.45 | .7 | -- | .57 | -- | |
| 63-25 | Choctaw Retention Res.-- | -----do---------------- | -----do------------ | 1.12 | 1.11 | -- | 1965 | 32.5 | .78 | -- | -- | -- | SCS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1975 | 10 | 21 | .5 | -- | 1.03 | -- | |
| 63-26 | Creek Retention Res.---- | -----do---------------- | -----do------------ | .4 | .4 | -- | 1965 | 14.1 | 1.1 | -- | -- | -- | SCS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1975 | 10 | 11.7 | .9 | 90 | .61 | 1,190 | |
| 63-27 | Paonia Reservoir-------- | Muddy Creek------------ | Somerset, Colo.---- | 246 | 236 | Dec. 1961 | -- | 20,950 | .21 | -- | -- | -- | BR |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Feb. 1969 | 7 | 20,214 | .2 | -- | .427 | -- | |
| | | | | GREEN RIVER BASIN | | | | | | | | | |
| 64-1 | Duck Fork--------------- | Ferron Creek----------- | Ferron, Utah------- | 3.56 | 3.56 | -- | 1942 | -- | 718 | *.236 | -- | -- | SCS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1962 | 20 | 1/870 | *.286 | *60 | .14 | 183 | |
| 64-2 | South Soda Creek Weir--- | South Soda Creek------- | Steamboat Springs, Colo. | 3.4 | 3.4 | Oct. 1967 | -- | -- | -- | -- | -- | -- | FS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1968 | 1 | -- | -- | *135 | .005 | 13 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1969 | 1 | -- | -- | *135 | .0003 | 1 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1970 | 1 | -- | -- | *135 | .005 | 15 | |
| 64-3 | North Fish Creek Weir--- | North Fish Creek------- | -----do------------ | 2.24 | -- | Oct. 1968 | -- | -- | -- | -- | -- | -- | FS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1969 | 1 | -- | -- | *135 | .001 | 2 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1970 | 1 | -- | -- | *135 | .004 | 12 | |
| 64-4 | West Walton Creek Weir-- | Trib. Walton Creek----- | -----do------------ | 1.33 | 1.33 | Oct. 1967 | -- | -- | -- | -- | -- | -- | FS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1968 | 1 | -- | -- | *110 | .016 | 38 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1969 | 1 | -- | -- | *110 | .006 | 15 | |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1970 | 1 | -- | -- | *110 | .02 | 48 | |
| 64-5 | Bullwinkle-------------- | Trib. Brush Creek------ | Vernal, Utah------- | .11 | .11 | -- | 1938 | -- | -- | -- | -- | -- | SCS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1968 | 30 | *5 | -- | *70 | 2/.79 | 1,204 | |
| 64-6 | Rock Canyon------------- | Rock Canyon------------ | -----do------------ | 1.41 | 1.41 | -- | 1936 | -- | -- | -- | -- | -- | SCS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Oct. 1968 | 22 | *5 | -- | *60 | .011 | 14 | |
| 64-7 | Niles Haslem Pond------- | Trib. Steinaker Draw--- | -----do------------ | .095 | .095 | -- | 1952 | -- | -- | -- | -- | -- | SCS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | Sept | 1967 | 15 | *2 | -- | *70 | 2/.67 | 1,021 |
| 64-8 | Maeser Reservoir-------- | Trib. Twelve Mile Wash- | -----do------------ | .65 | .65 | -- | 1942 | -- | -- | -- | -- | -- | SCS |
| | -----do---------------- | -----do---------------- | -----do------------ | -- | -- | May | 1968 | 26 | *8 | -- | *90 | 2/.23 | 450 |

## GREAT SALT LAKE BASIN

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65-1 | East Canyon | East Canyon Creek | Morgan, Utah | 144 | 144 | -- 1896 | -- | 3/3,850 | .098 | -- | -- | -- | | BR |
| -do- | -do- | -do- | -do- | -- | -- | Oct. 1954 | 58 | 28,730 | .733 | 4/77.1 | .124 | 208 | | |
| 65-2 | Echo | Weber River | Echo, Utah | 732 | 752 | Oct. 1930 | -- | 75,718 | .373 | -- | -- | -- | | BR |
| -do- | -do- | -do- | -do- | -- | -- | Oct. 1954 | 24 | 73,900 | .364 | 4/71 | .104 | 161 | | |
| 65-3a | Santaquin Debris Basin | Summit Creek | Santaquin, Utah | 17.65 | 13.5 | Fall 1954 | -- | *84 | .008 | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Dec. 1957 | 3 | *65 | .006 | *90 | .47 | 921 | | |

## SEVIER RIVER BASIN

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66-1 | Booby Hole | Booby Hole Creek | Koosharem, Utah | 5 | 4.9 | -- 1895 | -- | 607 | -- | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Oct. 1940 | 75 | 598 | -- | -- | .024 | -- | | |
| 66-2 | Indian Creek No. 1 | Indian Creek | Beaver, Utah | 12 | 11.95 | -- 1898 | -- | 318 | -- | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Nov. 1940 | 42 | 299 | -- | -- | .038 | -- | | |
| 66-3 | Rocky Ford | Beaver River | -do- | 510 | 508 | Feb. 1915 | -- | 23,260 | -- | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Nov. 1940 | 25.8 | 21,509 | -- | -- | .134 | -- | | |
| 66-4 | Rocky Ford | Sevier River | Sigurd, Utah | 900 | 900 | -- 1890 | -- | 2,115 | -- | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Nov. 1940 | 50 | 780 | -- | -- | .029 | -- | | |
| 66-5 | Skutumpah | Skutumpah Creek | Salina, Utah | 10 | 9.92 | -- 1893 | -- | 667 | -- | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Nov. 1940 | 47 | 430 | -- | -- | .508 | -- | | |
| 66-6 | Enterprise | Pine Creek | Enterprise, Utah | 25 | 23.4 | -- 1909 | -- | 9,000 | -- | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Nov. 1940 | 31 | 8,550 | -- | -- | .62 | -- | | |
| 66-7 | Yankee Meadows | Pole Creek | Parowan, Utah | 7 | 6.9 | Dec. 1926 | -- | 2,500 | -- | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Nov. 1940 | 14 | 2,200 | -- | -- | 3.1 | -- | | |
| 66-8 | Piute | Sevier River | Marysville, Utah | 2,440 | 2,436 | 5/-- 1910 | -- | 81,200 | -- | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | -- 1938 | 28 | 74,610 | -- | -- | .106 | -- | | |
| 66-9 | Sevier Bridge | -do- | Nephi, Utah | 5,120 | 1,089 | -- 1908 | -- | 250,000 | -- | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | -- 1932 | 24 | 234,462 | -- | -- | .594 | -- | | |
| 66-10 | Chalk Cr. Debris Basin | Chalk Creek | Fillmore, Utah | 60.8 | *60 | July 1936 | .5 | 44.12 | .002 | *70 | 6/.73 | 1,113 | | |
| -do- | -do- | -do- | -do- | -- | -- | -- 1946 | 10 | 0 | 0 | *75 | 7/.14 | 229 | | |
| -do- | -do- | -do- | -do- | -- | -- | Mar. 1955 | 8.5 | 0 | 0 | 75 | -- | -- | | |
| 66-11a | Fiddlers Canyon Debris Basin | Fiddlers Canyon | Cedar City, Utah | 12.6 | 12.6 | -- 1947 | -- | -- | -- | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Nov. 1956 | 9 | *15 | *.089 | *70 | 8/.145 | 221 | | |
| 66-12b | Mill Canyon Retarding Structure | Mill Canyon | Glenwood, Utah | 18.92 | 13.72 | Dec. 1959 | -- | 223.99 | 2.22 | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Dec. 1960 | 1.5 | 202.29 | 2.2 | 84.9 | 1.05 | 1,960 | | |
| -do- | -do- | -do- | -do- | -- | -- | May 1963 | 2.42 | 202.03 | 2 | 84.9 | .01 | 18 | | |
| -do- | -do- | -do- | -do- | -- | -- | May 1968 | 5 | 199.64 | 1.98 | 84.9 | .03 | 74 | | |
| -do- | -do- | -do- | -do- | -- | -- | Sept 1974 | 6.33 | 191.11 | 1.89 | 84.9 | 10 | 185 | | |
| 66-13 | Sand "H" Canyon Debris Basin | Sand Canyon | Monroe, Utah | 3 | 2.98 | June 1971 | -- | 136 | 8.5 | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Oct. 1971 | .33 | 117.1 | 7.3 | *80 | 19.24 | 33,522 | | |

## GREAT BASIN (NORTHWESTERN PART IN CALIFORNIA, NEVADA AND OREGON)

67-

## GREAT BASIN
### Humboldt, Carson, and Truckee River Basins

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68-1 | Willow Creek | Willow Creek | Elko, Nev. | 112 | 111 | -- 1924 | -- | 15,300 | -- | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Sept 1939 | 15 | 15,050 | -- | -- | .15 | -- | | |
| 68-2 | Elko Summit Res. No. 1 | (ephemeral) | -do- | 1.25 | 1.25 | Mar. 1941 | -- | 7.44 | .223 | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Aug. 1963 | 22.4 | 6.38 | .192 | 66 | .04 | 58 | | |
| 68-3 | Elko Summit Res. No. 2 | -do- | -do- | .63 | .63 | Aug. 1945 | -- | 5.45 | .324 | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Aug. 1963 | 18 | 4.96 | .295 | 66.9 | .05 | 73 | | |
| 68-4 | Dorsey Creek Reservoir | Dorsey Creek | -do- | 9.16 | 9.14 | Oct. 1952 | -- | 131 | .358 | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Sept 1963 | 10.9 | 128 | .35 | 56.9 | 8/.12 | 8/149 | | |

## GREAT BASIN
### Owens, Walker, and Mono Lake Drainages

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69-1 | Weber | Walker River | Shurz, Nev. | 2,800 | 2,440 | Sept 1935 | -- | 13,200 | -- | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | Sept 1939 | 4 | 12,980 | -- | -- | .02 | -- | | |

## SALTON SEA AND SOUTHERN CALIFORNIA COASTAL AND GREAT BASIN DRAINAGE

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70-1b | Fullerton Flood-Control Basin | Fullerton Creek | Brea, Calif. | 9/5.05 | 9/4.95 | Oct. 1941 | -- | 753.5 | 3.39 | -- | -- | -- | | CE |
| -do- | -do- | -do- | -do- | -- | -- | Nov. 1944 | 3.1 | 743 | 3.35 | -- | 1.11 | -- | | |
| -do- | -do- | -do- | -do- | -- | -- | Mar. 1962 | 17.3 | 706.3 | 3.18 | -- | .42 | -- | | |
| -do- | -do- | -do- | -do- | -- | -- | June 1970 | 8.25 | 10/763.8 | 3.44 | -- | -- | -- | | |
| 70-2 | Lake Hodges | San Dieguito River | Escondido, Calif. | 303 | 301 | Jan. 1919 | -- | 36,601 | -- | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | July 1935 | 16.5 | 34,779 | -- | *65 | .365 | 517 | | |
| -do- | -do- | -do- | -do- | -- | *-- | July 1948 | 13 | 33,482 | -- | -- | .332 | 470 | | |
| 70-3 | Railroad Canyon | San Jacinto River | Elsinore, Calif. | 718 | 651 | May 1928 | -- | 12,218 | -- | -- | -- | -- | | SCS |
| -do- | -do- | -do- | -do- | -- | -- | June 1939 | 11 | 12,034 | -- | *60 | .03 | 39 | | |

1/ Dam was raised about 6 ft. in 1952.
2/ Includes above crest deposits.
3/ Formed by original rock-filled dam 58 feet high, which was subsequently raised in 1900, 1902, and 1916.
4/ Computed from Size analysis.
5/ Original survey made in 1908.
6/ Basin filled with sediment by one summer flash flood.
7/ Has no meaning as a large portion of the sediment passed through the basin.
8/ Includes some deposition above crest of spillway.
9/ Drainage area and sediment contributing area were increased when Loftus diversion channel was completed on Dec. 21, 1954.
10/ Capacity increased by excavation.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | | SALTON SEA AND SOUTHERN CALIFORNIA COASTAL AND GREAT BASIN DRAINAGE (Continued) | | | | | | | | | |
| 70-4 | Lake Sherwood---------- | Triunfo Creek--------- | Hollywood, Calif.- | 16 | 15.7 | -- 1905 | -- | 2,870 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1936 | 31 | 2,792 | -- | *50 | .16 | 174 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1938 | 2 | 2,772 | -- | -- | .64 | 697 | |
| 70-5 | Stone Canyon---------- | Stone Canyon Creek----- | Sawtelle, Calif.-- | 1.36 | 1.16 | May 1921 | -- | 7,998 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1939 | 18.1 | 7,949 | -- | *60 | 2.34 | 3,058 | |
| 70-6 | Bonita Canyon---------- | Bonita Creek---------- | Orange, Calif.----- | 4 | 4 | Jan. 1938 | -- | 326 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1939 | 1/2 | 305 | -- | *60 | 2.63 | 3,437 | |
| 70-7 | Bouquet Canyon---------- | Bouquet Creek---------- | San Fernando, CA-- | 12.6 | 11.6 | Mar. 1934 | -- | 36,500 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1939 | 1/5 | 36,436 | -- | *40 | 1.1 | 958 | |
| 70-8a | Chatsworth---------- | Trib. Los Angeles River | -----do---------- | 5.4 | 4.45 | Apr. 1918 | -- | 10,125 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1939 | 21 | 10,077 | -- | *40 | .51 | 444 | |
| 70-9 | Lake Hemet---------- | Trib. San Jacinto River | Hemet, Calif.----- | 66 | 65.3 | -- 1892 | -- | 14,000 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1940 | 48 | 11,702 | -- | *75 | .73 | 1,190 | |
| 70-10 | Laguna---------- | Trib. of Newport Bay--- | Orange, Calif.----- | .75 | .72 | Feb. 1938 | -- | 274 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1939 | 1/2 | 266 | -- | *40 | 5.56 | 4,840 | |
| 70-11 | Encino---------- | Encino Creek---------- | Los Angeles, Calif. | 1.42 | 1.3 | May 1921 | -- | 3,229 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1939 | 18 | 3,210 | -- | *40 | .815 | 710 | |
| 70-12 | Fairmont---------- | Antelope Valley River-- | Lancaster, Calif.- | 2.64 | 2.37 | Oct. 1913 | -- | 7,487 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1939 | 1/26 | 7,393 | -- | -- | 1.53 | -- | |
| 70-13b | Little Rock Irrigation Dist. | Little Rock Creek------ | Palmdale, Calif.-- | 68 | 67.84 | Apr. 1924 | -- | 4,217 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1936 | 1/11 | 4,139 | -- | *85 | .1 | 185 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1938 | 3 | 3,648 | -- | -- | 2.41 | 4,460 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1943 | 5 | 3,404 | -- | -- | .72 | 1,330 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1946 | 3 | 3,352 | -- | -- | .25 | 460 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1951 | 5 | 3,297 | -- | *85 | .15 | 278 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1953 | 2.2 | 3,313 | -- | *85 | 2/-- | 2/-- | |
| 70-14c | Live Oak Dam---------- | Live Oak Creek--------- | LaVerne, Calif.---- | 2.3 | 2.3 | 3/-- 1919 | -- | 247 | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1929 | 6.3 | 247 | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1936 | 7 | 242 | -- | -- | .31 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1938 | 2.1 | 228 | -- | -- | 2.9 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1952 | 14.5 | 221 | -- | -- | .21 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1961 | 9 | 170 | -- | -- | 2.46 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1962 | 1 | 166 | -- | -- | 1.74 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1967 | 4.3 | 4/221.8 | 1.33 | -- | 2.83 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1969 | 1.75 | 197.1 | 1.11 | -- | 6.13 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1970 | 1.75 | 251.1 | 1.13 | -- | 5.7 | -- | |
| 70-15 | Morena---------- | Cottonwood Creek------- | San Diego, Calif.- | 112 | 109.4 | Mar. 1910 | -- | 66,767 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1935 | 25.7 | 60,699 | -- | *60 | 2.16 | 2,823 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1948 | 12.6 | 58,933 | -- | -- | 1.28 | 1,673 | |
| 70-16b | Prado Flood-Control Res. | Santa Ana River-------- | Corona, Calif.----- | 2,233 | 1,131 | Sept 1941 | -- | 222,840 | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1960 | 18.9 | 216,960 | -- | -- | .275 | -- | |
| 70-17 | Mockingbird Canyon 5/--- | Mockingbird Canyon----- | Arlington, Calif.- | 11.6 | 11.5 | -- 1914 | -- | *1,000 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1940 | 26 | 961 | -- | *60 | .13 | 170 | |
| 70-18c | Hansen Flood-Control Basin | Tujunga Creek---------- | San Fernando, Calif. | 147 | 146 | Sept 1940 | -- | 35,800 | 2.06 | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1941 | .8 | 35,200 | 2.02 | -- | 4.1 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1943 | 2.3 | 34,100 | 1.96 | -- | 3.78 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1945 | 2.1 | 33,500 | 1.92 | -- | 2.06 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1962 | 16.2 | 33,265 | 1.91 | -- | .1 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1969 | 7.58 | 29,700 | 1.71 | -- | 3.22 | -- | |
| 70-19 | Brea F. C. Basin--------- | Brea Creek------------ | Fullerton, Calif.- | 23.4 | 23.1 | Mar. 1942 | -- | 4,168 | 3.97 | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1949 | 7.5 | 4,097 | 3.9 | -- | .41 | -- | |
| 70-20c | Cogswell (San Gabriel Dam #2) | San Gabriel River------ | Azusa, Calif.----- | 39.2 | 39 | Apr. 1935 | -- | 12,881 | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1936 | .8 | 12,298 | -- | -- | -- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1938 | 2.2 | 10,786 | -- | -- | 17.6 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1939 | 1.6 | 11,029 | -- | -- | 6/-- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1940 | 1 | 11,102 | -- | -- | 6/-- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1941 | 1 | 10,915 | -- | -- | 4.79 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1943 | 1.9 | 10,501 | -- | -- | 5.59 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1945 | 1.2 | 10,536 | -- | -- | 6/-- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1946 | 1.7 | 10,597 | -- | -- | 6/-- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1947 | 1 | 10,634 | -- | -- | 6/-- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1957 | 10.2 | 10,585 | -- | -- | .12 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1958 | .7 | 10,446 | .612 | -- | 2.48 | -- | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1962 | 4.1 | 10,228 | .643 | -- | 1.4 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1966 | 3.7 | 9,999 | .642 | -- | 1.62 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. | 1969 | 2.75 | 9,339 | .512 | -- | 6.15 | -- | | | |
| 70-21e | San Gabriel Dam No. 1--- | -----do----- | -----do----- | 203 | 7/203 | -- | 1937 | -- | 8/53,344 | -- | -- | -- | -- | CE | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1938 | .9 | 47,191 | -- | -- | 28.3 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1940 | 2.1 | 46,335 | -- | -- | 1.68 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1941 | .8 | 45,862 | -- | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1942 | 1 | 45,759 | -- | -- | .43 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1943 | 1 | 44,032 | -- | -- | 7.13 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1944 | 1.1 | 44,388 | -- | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1945 | 1 | 44,342 | -- | -- | .19 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1948 | 3 | 43,825 | -- | -- | .97 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1951 | 3 | 43,928 | -- | -- | .23 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. | 1953 | 1.2 | 43,853 | -- | -- | .94 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1954 | 1.3 | 44,013 | -- | -- | .127 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1958 | 4.3 | 44,614 | -- | -- | .193 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1961 | 3.1 | 44,366 | -- | -- | .329 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1962 | 1.2 | 43,642 | .51 | -- | 2.49 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Dec. | 1965 | 3.1 | 42,371 | .49 | -- | 2.02 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. | 1966 | .3 | 42,075 | .51 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1967 | 1.3 | 40,697 | .46 | -- | 5.22 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. | 1969 | 1.5 | 38,778 | .45 | -- | 8.86 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1969 | .25 | 36,748 | .42 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1969 | .42 | 37,822 | .43 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1970 | 1 | 41,549 | .48 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1972 | 1.92 | 41,526 | .48 | -- | .06 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1973 | 1.08 | 46,554 | .54 | -- | -- | -- | | | |
| 70-22b | Morris Reservoir------- | -----do----- | -----do----- | 211.3 | 9/210.7 | Jan. | 1934 | -- | 39,316 | -- | -- | -- | -- | CE | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. | 1936 | 2.1 | 38,692 | .45 | -- | 1.41 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. | 1938 | 2.1 | 37,175 | .43 | -- | 3.43 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1938 | .7 | 36,655 | .43 | -- | 3.53 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Dec. | 1949 | 11.2 | 35,174 | .41 | -- | .63 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1956 | 6.8 | 34,861 | .41 | -- | .22 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1960 | 4.2 | 33,827 | .4 | -- | 1.17 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. | 1967 | 6.2 | 32,961 | .39 | -- | .66 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1970 | 3.8 | 30,085 | .35 | -- | 3.59 | -- | | | |
| 70-23b | San Dimas F. C. Basin--- | San Dimas Wash--------- | San Dimas, Calif.- | 16.2 | 16.1 | Sept | 1922 | -- | 4/1,496 | -- | -- | -- | -- | CE | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Dec. | 1935 | 13.2 | 1,373 | -- | -- | .58 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1938 | 2.9 | 1,155 | -- | -- | 4.67 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1939 | 1 | 1,189 | -- | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Dec. | 1941 | 2.1 | 1,145 | -- | -- | 1.3 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1943 | 1.9 | 1,071 | -- | -- | 2.42 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1944 | 1 | 1,042 | -- | -- | 1.8 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1954 | 9.8 | 1,025 | -- | -- | .11 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1961 | 7.1 | 705 | .25 | -- | 2.8 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. | 1962 | .4 | 729 | .28 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1966 | 4.3 | 1,234 | .49 | -- | 16 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. | 1967 | .7 | 1,129 | .25 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. | 1969 | 1.75 | 847 | .32 | -- | 10 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. | 1969 | .08 | 756 | .29 | -- | -- | -- | | | |
| 70-24c | Puddingstone Diversion D | -----do----- | -----do----- | -- | -- | Nov. | 1970 | 1.75 | 1,515 | .47 | -- | 1.12 | -- | | | |
| | -----do----- | -----do----- | -----do----- | 19.9 | 10/19.7 | Oct. | 1929 | -- | 4/148 | .06 | -- | -- | -- | CE | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. | 1936 | 6.25 | 121 | .05 | -- | 1.66 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. | 1938 | 2.17 | 50 | .02 | -- | 12.58 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1939 | 1.66 | 76 | .03 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1942 | 2.92 | 101 | .04 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1944 | 1.92 | 112 | .05 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. | 1952 | 7.33 | 119 | .05 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1953 | 1.67 | 138 | .06 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1962 | 9 | 203 | .09 | -- | .28 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1966 | 3.67 | 125 | .05 | -- | 1.07 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1967 | 1.41 | 200 | .08 | -- | 2.03 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. | 1969 | 1.25 | 74 | .03 | -- | 5.13 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. | 1969 | .17 | 42 | .02 | -- | -- | -- | | | |
| 70-25a | Puddingstone Dam F. C. Basin | Puddingstone Creek----- | -----do----- | 32.2 | 11/11 | Nov. | 1970 | 1.66 | 156.3 | .07 | -- | 1.69 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | -- | 1915 | -- | 17,398 | -- | -- | -- | -- | CE | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | -- | 1927 | 0 | 17,398 | -- | -- | -- | -- | | | |
| 70-26c | Big Dalton F. C. Basin-- | Big Dalton Creek------- | Glendora, Calif.-- | 4.5 | 4.5 | Jan. | 1941 | 13 | 17,190 | -- | -- | 1.45 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. | 1930 | -- | 4/1,194 | -- | -- | -- | -- | CE | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1931 | 1.7 | 1,039 | -- | -- | 20.26 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. | 1935 | 3.3 | 1,053 | -- | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. | 1938 | 3.1 | 969 | -- | -- | 6.02 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1943 | 5.5 | 953 | -- | -- | .65 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1944 | 1 | 952 | -- | -- | .22 | -- | | | |

1/ Based on runoff seasons.
2/ Not computed because of scour during period.
3/ Normal operation began 1922.
4/ Sediment removed at various times.
5/ Equalizing reservoir on Gage Canal System obtaining water from the Santa Ana River.
6/ No record of quantities sluiced.
7/ Includes San Gabriel Dams drainage area 39.2 sq. mi. as sediment is sluiced into San Gabriel Dam 1 drainage area.
8/ Storage capacity is regained by sluicing at various times.
9/ Includes Cogswell and San Gabriel Dam #1. (Drainage area 203 sq. mi.) Sediment sluiced into this area.
10/ Includes San Dimas drainage area (16.2 sq. mi.). Sediment sluiced into this area.
11/ 21.1 sq. mi. controlled by San Dimas, Live Oak Dam, and Puddingstone Diverson Dams.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | | | | SALTON SEA AND SOUTHERN CALIFORNIA COASTAL AND GREAT BASIN DRAINAGE (Continued) | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1958 | 14 | 951 | -- | -- | .02 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1961 | 3.1 | 880 | 1.25 | -- | 5.09 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. 1962 | .2 | 869 | 1.24 | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. 1966 | 4.7 | 752 | 1.14 | -- | 5.53 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1967 | .7 | 692 | 1.05 | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. 1969 | 1.75 | 515 | .78 | -- | .225 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. 1969 | .17 | 452 | .68 | -- | -- | -- | |
| 70-27c | Big Santa Anita F. C. Basin | Santa Anita Creek------ | Arcadia, Calif.--- | 10.8 | 10.8 | -- 1923 | -- | 1/1,376 | -- | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | 2/Feb. 1935 | 9.9 | 1,068 | -- | -- | 3.61 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1936 | 1 | 1,014 | -- | -- | 5 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1938 | 2.4 | 686 | -- | -- | 12.6 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1940 | 1.6 | 710 | -- | -- | 7.18 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1942 | 2 | 701 | -- | -- | 1.43 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. 1943 | 1.1 | 568 | -- | -- | 11.2 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1943 | .5 | 604 | -- | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May 1944 | .7 | 697 | -- | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. 1947 | 2.7 | 728 | -- | -- | .44 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Dec. 1952 | 5.9 | 728 | -- | -- | .22 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1954 | 1.6 | 584 | -- | -- | 9.15 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1956 | 1.5 | 613 | -- | -- | 1.3 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1958 | 2.6 | 587 | -- | -- | .94 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1962 | 3.6 | 630 | .16 | -- | 3.31 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1966 | 4.4 | 552 | .14 | -- | 1.9 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1968 | 2.1 | 600 | .14 | -- | 3.09 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. 1969 | .42 | 258 | .06 | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1970 | 1.67 | 836 | .16 | -- | .94 | -- | |
| 70-28c | Big Tujunga F. C. Basin- | Big Tujunga Creek------ | Sunland, Calif.--- | 82.3 | 82.2 | -- 1931 | -- | 1/6,240 | -- | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | May 1938 | 6.9 | 4,734 | -- | -- | 2.65 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1939 | 1.5 | 4,488 | -- | -- | 2 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1940 | .3 | 4,568 | -- | -- | 2.64 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1941 | 1.5 | 4,425 | -- | -- | 7.33 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1943 | 1.5 | 4,043 | -- | -- | 3.1 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. 1943 | .2 | 4,236 | .28 | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1944 | 1.1 | 4,235 | .28 | -- | 2.19 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1953 | 9.3 | 4,099 | .27 | -- | .18 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1958 | 4.8 | 4,123 | .27 | -- | .28 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1962 | 4.1 | 4,065 | .26 | -- | .4 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1966 | 4.25 | 3,819 | .25 | -- | .71 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1969 | 2.33 | 2,758 | .18 | -- | 6.03 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1970 | 1.67 | 6,027 | .39 | -- | -- | -- | |
| 70-29c | Devil's Gate F. C. Basin | Arroyo Seco River------ | Pasadena, Calif.--- | 31.9 | 31.7 | -- 1916 | -- | 1/4,601 | -- | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1933 | 13 | 4,554 | -- | -- | .11 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1934 | 1.2 | 4,127 | -- | -- | 11.15 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. 1935 | .3 | 3,996 | -- | -- | 13.69 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1936 | 3.5 | 2,967 | -- | -- | 9.22 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. 1942 | 3.6 | 2,728 | -- | -- | 2.08 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. 1943 | 1 | 2,504 | .38 | -- | 5.02 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Fall 1948 | 5.7 | 2,561 | .39 | -- | 1.25 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1952 | 3.8 | 2,630 | .4 | -- | 1.86 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1955 | 3.3 | 2,709 | .41 | -- | .58 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Dec. 1959 | 4.2 | 2,839 | .43 | -- | .63 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May 1961 | 1.4 | 2,886 | .44 | -- | 4.87 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May 1962 | 1 | 2,749 | .42 | -- | 9.59 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1966 | 4.3 | 2,598 | .5 | -- | 4.2 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1969 | 3.2 | 2,002 | .3 | -- | 7.32 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Dec. 1971 | 2.08 | 1,928 | .29 | -- | 1.12 | -- | |
| 70-30e | Eaton Wash (Eaton Wash Dam) | Eaton Creek------------ | -----do----- | 9.5 | 9.4 | -- 1936 | -- | 1/956 | -- | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1937 | 1 | 945 | -- | -- | 1.17 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May 1938 | 1.3 | 698 | -- | -- | 20.2 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Dec. 1938 | .6 | 699 | -- | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1940 | 1.8 | 711 | -- | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. 1941 | .8 | 681 | -- | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1942 | 1.1 | 722 | -- | -- | -- | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1943 | 1.1 | 632 | .29 | -- | 12.7 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1944 | 1 | 607 | .27 | -- | 2.7 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1946 | 2 | 674 | .31 | -- | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1947 | .7 | 661 | .3 | -- | 2 | -- | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1950 | 3 | 665 | .8 | -- | 0 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. | 1952 | 1.6 | 703 | .32 | -- | .1 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1957 | 5.3 | 655 | .3 | -- | 1 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1958 | 1.5 | 725 | .33 | -- | .5 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1961 | 2.9 | 807 | .37 | -- | 2.48 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1963 | 2 | 828 | .37 | -- | .53 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. | 1964 | .2 | 872.8 | .4 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. | 1966 | 2.2 | 769.7 | .35 | -- | 4.98 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1967 | 1.3 | 758.4 | .34 | -- | 6.49 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Dec. | 1969 | 2.4 | 879 | .4 | -- | 11.3 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1973 | 3.75 | 784 | .35 | -- | 2.69 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1975 | 1.83 | 832 | .38 | -- | 8.31 | -- | | | |
| 70-31d | Pacoima F. C. Basin----- | Pacoima Canyon--------- | San Fernando, CA-- | 28.2 | 28.2 | Oct. | 1929 | -- | 1/6,060 | -- | -- | -- | -- | CE | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. | 1936 | 6.3 | 5,592 | -- | -- | 2.63 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. | 1938 | 2.2 | 5,004 | -- | -- | 9.47 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1942 | 4.6 | 4,837 | -- | -- | 1.29 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Dec. | 1944 | 2.1 | 4,714 | -- | -- | 2.84 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1954 | 9.8 | 4,787 | -- | -- | .15 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1958 | 3.8 | 4,651 | -- | -- | 2.97 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1962 | 3.9 | 4,581 | .73 | -- | .64 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1966 | 4.25 | 4,453 | .71 | -- | 1.08 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. | 1969 | 2.58 | 3,841 | .61 | -- | 9.4 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1971 | 2.58 | 3,929 | .62 | -- | -- | -- | | | |
| 70-32 | Santiago--------------- | Santiago Creek--------- | Villa Park, Calif. | 63 | 62.1 | Dec. | 1931 | -- | 25,000 | 1.619 | -- | -- | -- | CE | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1948 | 16.8 | 24,840 | 1.609 | -- | .15 | -- | | | |
| 70-33b | Sawpit F. C. Basin------ | Sawpit Creek----------- | Monrovia, Calif.-- | 3.3 | 3.3 | 3/-- | 1923 | -- | 1/476 | -- | -- | -- | -- | CE | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1935 | 8.3 | 369 | -- | -- | 3.18 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1938 | 2.6 | 320 | -- | -- | 8.03 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1941 | 3 | 342 | -- | -- | 2.94 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Dec. | 1943 | 2.6 | 322 | -- | -- | 3.03 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. | 1954 | 10.2 | 305 | -- | -- | .51 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1959 | 5.5 | 269 | -- | -- | 3.03 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1962 | 2.7 | 271.8 | .52 | -- | 1.91 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1964 | 2.2 | 308.5 | .61 | -- | 5.09 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1966 | 1.9 | 284.3 | .55 | -- | 3.82 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1967 | .7 | 269.2 | .48 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1969 | 2.7 | 391 | .47 | -- | 16.39 | -- | | | |
| 70-34c | Sierra Madre Debris Dam- | Little Santa Anita Cr.- | Sierra Madre, CA-- | 2.39 | 2.39 | Feb. | 1928 | -- | 1/-- | -- | -- | -- | -- | CE | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1939 | 11.83 | -- | -- | -- | .92 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. | 1944 | 4.17 | -- | -- | -- | 1.42 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. | 1954 | 10.17 | -- | -- | -- | 2.24 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1965 | 15.5 | -- | -- | -- | 2.15 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1974 | 5 | -- | -- | -- | 1.52 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1975 | 1 | -- | -- | -- | 5.32 | -- | | | |
| 70-35c | Thompson Cr. F. C. Basin | Thompson Creek--------- | Claremont, Calif.- | 3.5 | 3.5 | -- | 1916 | -- | 1/692 | 3.51 | -- | -- | -- | CE | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1932 | 5/4.6 | 643 | 3.26 | -- | 3.04 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. | 1945 | 10.3 | 612 | 3.11 | -- | .86 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1954 | 11.7 | 571 | 2.9 | -- | 1 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Jan. | 1957 | 5.3 | 566 | 2.87 | -- | .86 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1957 | .4 | 570 | 2.89 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Dec. | 1959 | 1.5 | 578 | 2.93 | -- | -- | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | July | 1962 | 2.6 | 554 | 2.81 | -- | 2.64 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. | 1967 | 4.6 | 510 | 2.59 | -- | 2.73 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. | 1969 | 2 | 448 | 2.27 | -- | 8.38 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1972 | 3.75 | 503 | 2.55 | -- | -- | -- | | | |
| 70-36c | Wilbur Ave. Debris Basin | Aliso Creek------------ | Northridge, Calif. | 8.63 | 8.63 | June | 1942 | -- | 1/-- | -- | -- | 4/-- | -- | CE | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1943 | 1.33 | -- | -- | -- | 2.37 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1944 | 1 | -- | -- | -- | 2.72 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1947 | 3 | -- | -- | -- | .85 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1950 | 3 | -- | -- | -- | .25 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1952 | 2 | -- | -- | -- | 2.09 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1957 | 5 | -- | -- | -- | .47 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1960 | 3 | -- | -- | -- | .9 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1962 | 2 | -- | -- | -- | 1.29 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1965 | 3 | -- | -- | -- | .41 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1966 | 1 | -- | -- | -- | 3.99 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1967 | 1 | -- | -- | -- | 2.35 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1968 | 1 | -- | -- | -- | 2.17 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1969 | 1 | -- | -- | -- | 2.72 | -- | | | |
| 70-37b | Altadena Debris Basin--- | Rubio Wash------------- | Altadena, Calif.-- | .65 | .65 | Sept | 1947 | 1 | 1/-- | -- | -- | 4/1.34 | -- | CE | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1948 | 1 | -- | -- | -- | 1.92 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1949 | 1 | -- | -- | -- | 1.35 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1950 | 1 | -- | -- | -- | 1.58 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Mar. | 1952 | 1.5 | -- | -- | -- | 1.75 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. | 1956 | 3.9 | -- | -- | -- | 1.11 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1957 | 1.6 | -- | -- | -- | 1.23 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. | 1958 | .6 | -- | -- | -- | 8.97 | -- | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1959 | 1.4 | -- | -- | -- | 2.57 | -- | | | |

1/ Sediment is removed at various times by sluicing and/or excavation.
2/ Date normal operation began - Mar. 1927.
3/ Date normal operation began - June 1927.
4/ Sedimentation values as computed by Los Angeles County FCD are based on complete water year.
5/ Storage and surface area assumed same at time of initial normal operations, Mar. 1928, as in 1916 survey.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | | SALTON SEA AND SOUTHERN CALIFORNIA COASTAL AND GREAT BASIN DRAINAGE (Continued) | | | | | | | | | |
| 70-38d | Bailey Debris Dam | Bailey Channel | Sierra Madre, CA-- | .6 | .6 | Dec. 1954 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1959 | 4.83 | -- | -- | -- | 2/7.88 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1962 | 3 | -- | -- | -- | 8.82 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1968 | 6. | -- | -- | -- | .86 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1971 | 3 | -- | -- | -- | 1.72 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1972 | 1 | -- | -- | -- | 33.88 | -- | |
| 70-39c | Brand Debris Basin | Brand Canyon Channel | La Canada, Calif.- | 1.03 | 1.03 | Sept 1940 | 5 | 1/-- | -- | -- | 2/.58 | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1941 | 1 | -- | -- | -- | .63 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1942 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1943 | 1 | -- | -- | -- | 1.86 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1944 | 1 | -- | -- | -- | .19 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1945 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1946 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1947 | 1 | -- | -- | -- | .09 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1948 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1949 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1950 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1952 | 2 | -- | -- | -- | 1.59 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1964 | 12 | -- | -- | -- | 1.17 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1965 | 1 | -- | -- | -- | 27.86 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1970 | 5 | -- | -- | -- | 2.87 | -- | |
| 70-40d | Dunsmuir Debris Basin | Dunsmuir Canyon Channel | Tujunga, Calif.--- | .84 | .84 | Sept 1936 | 1 | 1/-- | -- | -- | 2/.69 | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1938 | 2 | -- | -- | -- | 29 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1940 | 2 | -- | -- | -- | 8.14 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1941 | 1 | -- | -- | -- | 8.74 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1942 | 1 | -- | -- | -- | .27 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1943 | 1 | -- | -- | -- | 10.3 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1944 | 1 | -- | -- | -- | 2.67 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1945 | 1 | -- | -- | -- | .56 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1946 | 1 | -- | -- | -- | 3.13 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1947 | 1 | -- | -- | -- | 1.15 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1948 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1949 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1950 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1952 | 2 | -- | -- | -- | 4.07 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1954 | 2 | -- | -- | -- | .36 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1959 | 5 | -- | -- | -- | 3.17 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1970 | 11 | -- | -- | -- | 1.58 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1975 | 5 | -- | -- | -- | .51 | -- | |
| 70-41c | Eagle Debris Basin | Eagle Canyon | La Crescenta, CA-- | .61 | .61 | Sept 1938 | 2 | 1/-- | -- | -- | 2/21.2 | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1939 | 1 | -- | -- | -- | 11.7 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1941 | 2 | -- | -- | -- | 7.03 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1942 | 1 | -- | -- | -- | .34 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1943 | 1 | -- | -- | -- | 15.7 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1944 | 1 | -- | -- | -- | 4.59 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1945 | 1 | -- | -- | -- | 1.11 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1946 | 1 | -- | -- | -- | .59 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1947 | 1 | -- | -- | -- | .41 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1948 | 1 | -- | -- | -- | .07 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1949 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1950 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1952 | 2 | -- | -- | -- | 2.66 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. 1956 | 3.9 | -- | -- | -- | .02 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1960 | 4.1 | -- | -- | -- | 1.67 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1961 | 1 | -- | -- | -- | 2.05 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1965 | 5 | -- | -- | -- | 5.28 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1970 | 4 | -- | -- | -- | 5.87 | -- | |
| 70-42d | Fair Oaks Debris Basin | Fair Oaks Canyon | Altadena, Calif.-- | .21 | .21 | Sept 1936 | 1 | 1/-- | -- | -- | 2/46.4 | -- | CE |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1938 | 2 | -- | -- | -- | 47.6 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1941 | 3 | -- | -- | -- | 3.9 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1943 | 2 | -- | -- | -- | 4.8 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1944 | 1 | -- | -- | -- | .24 | -- | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1945 | 1 | -- | -- | -- | 1.71 | -- | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1946 | 1 | -- | -- | -- | 2.86 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1947 | 1 | -- | -- | -- | 1.95 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1948 | 1 | -- | -- | -- | .019 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1949 | 1 | -- | -- | -- | 0 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1950 | 1 | -- | -- | -- | 0 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1952 | 2 | -- | -- | -- | 4.57 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1956 | 4.1 | -- | -- | -- | .14 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1958 | 1.7 | -- | -- | -- | 19.05 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1963 | 5.2 | -- | -- | -- | 4.76 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1966 | 3 | -- | -- | -- | 10.14 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1968 | 2 | -- | -- | -- | 3.1 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1969 | 1 | -- | -- | -- | 46.9 | -- | | |
| 70-43c | Fern Debris Basin------- | Fern Canyon----------- | -----do----- | .3 | .3 | Dec. 1935 | -- | 1/-- | -- | -- | 2/-- | -- | CE | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1936 | .83 | -- | -- | -- | 30.84 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1938 | 2 | -- | -- | -- | 44.02 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1941 | 3 | -- | -- | -- | 3.3 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1943 | 2 | -- | -- | -- | 10.03 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1952 | 9 | -- | -- | -- | 2.53 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1964 | 12 | -- | -- | -- | 1.23 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1966 | 2 | -- | -- | -- | 16.7 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1968 | 2 | -- | -- | -- | 10.5 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1969 | 1 | -- | -- | -- | 47.53 | -- | | |
| 70-44d | Gould Debris Basin------ | Gould Canyon Channel--- | La Canada, Calif.- | .47 | .47 | Sept 1948 | 1 | 1/-- | -- | -- | 2/0 | -- | CE | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1950 | 2 | -- | -- | -- | 0 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1952 | 2 | -- | -- | -- | 5.32 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1958 | 5.8 | -- | -- | -- | 3.29 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1962 | 4.2 | -- | -- | -- | 5.83 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1966 | 4 | -- | -- | -- | 9.04 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1968 | 2 | -- | -- | -- | 1.98 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1969 | 1 | -- | -- | -- | 28.7 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1975 | 6 | -- | -- | -- | .49 | -- | | |
| 70-45a | Haines Debris Basin----- | Haines Canyon---------- | Tujunga, Calif.---- | 1.53 | 1.53 | Sept 1938 | 3 | 1/-- | -- | -- | 2/6.93 | -- | CE | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1940 | 2 | -- | -- | -- | 2.31 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1941 | 1 | -- | -- | -- | 5.09 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1943 | 2 | -- | -- | -- | 4.22 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1944 | 1 | -- | -- | -- | 3.58 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1945 | 1 | -- | -- | -- | 2.59 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1946 | 1 | -- | -- | -- | 0 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1947 | 1 | -- | -- | -- | .37 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1948 | 1 | -- | -- | -- | 0 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1949 | 1 | -- | -- | -- | 0 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1950 | 1 | -- | -- | -- | 0 | -- | | |
| 70-46d | Hall's Debris Basin----- | Hall - Beckley Canyon-- | La Canada, Calif.- | 3/.84 | .84 | May 1952 | 1.6 | -- | -- | -- | 1.57 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1935 | -- | -- | -- | -- | -- | -- | CE | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1937 | 1.9 | -- | -- | -- | 2/12.82 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1938 | 1 | -- | -- | -- | 77.21 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1940 | 2 | -- | -- | -- | 9.45 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1943 | 3 | -- | -- | -- | 20.61 | -- | | |
| | -----do----- | -----do----- | -----do----- | 3/1.06 | 1.06 | Sept 1948 | 5 | -- | -- | -- | 2.43 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Feb. 1957 | 8.4 | -- | -- | -- | .23 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1959 | 2.6 | -- | -- | -- | 11.54 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1962 | 3 | -- | -- | -- | .06 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1964 | 2 | -- | -- | -- | 4.5 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1968 | 4 | -- | -- | -- | 3.48 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1969 | 1 | -- | -- | -- | 34.46 | -- | | |
| 70-47c | Hay Debris Basin-------- | Hay Canyon Channel----- | -----do----- | .2 | .2 | Sept 1938 | 2 | 1/-- | -- | -- | 2/28.3 | -- | CE | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1939 | 1 | -- | -- | -- | 6.3 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1940 | 1 | -- | -- | -- | .55 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1941 | 1 | -- | -- | -- | 1.9 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1943 | 2 | -- | -- | -- | 4.75 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1944 | 1 | -- | -- | -- | .65 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1945 | 1 | -- | -- | -- | 1.55 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1946 | 1 | -- | -- | -- | 0 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1947 | 1 | -- | -- | -- | 0 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1948 | 1 | -- | -- | -- | 0 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1949 | 1 | -- | -- | -- | 0 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1950 | 1 | -- | -- | -- | 0 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1952 | 2 | -- | -- | -- | 2.3 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1961 | 9 | -- | -- | -- | 3.58 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1964 | 3 | -- | -- | -- | 5.95 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1966 | 4 | -- | -- | -- | 3.25 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1970 | 2 | -- | -- | -- | 11.5 | -- | | |
| 70-48d | Las Flores Debris Basin- | Las Flores Channel----- | Altadena, Calif.-- | .45 | .45 | Apr. 1935 | -- | 1/-- | -- | -- | 2/-- | -- | CE | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1936 | .5 | -- | -- | -- | 28.88 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1938 | 2 | -- | -- | -- | 38.31 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1944 | 6 | -- | -- | -- | 3.26 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1963 | 19 | -- | -- | -- | 2.31 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1966 | 3 | -- | -- | -- | 8.79 | -- | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1969 | 3 | -- | -- | -- | 12.16 | -- | | |

1/ Capacity of debris basin varies. Debris excavated at various times.
2/ Sedimentation values as computed by LACFCD are based on complete water year.

3/ Drainage area 0.84 sq. mi. to 1945; 1.0659 sq. mi. beginning 1945.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | | | | SALTON SEA AND SOUTHERN CALIFORNIA COASTAL AND GREAT BASIN DRAINAGE (Continued) | | | | | | | |
| 70-49e | Lincoln Debris Basin---- | Lincoln Canyon--------- | Altadena, Calif.-- | .5 | .5 | Jan. 1936 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1936 | .75 | -- | -- | -- | 2/6.53 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1938 | 2 | -- | -- | -- | 21.24 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1941 | 3 | -- | -- | -- | 5.35 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1944 | 3 | -- | -- | -- | 4.44 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1952 | 7.5 | -- | -- | -- | 1.28 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1961 | 9.5 | -- | -- | -- | .08 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1967 | 6 | -- | -- | -- | 3.09 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 2 | -- | -- | -- | 16.22 | -- | |
| 70-50c | Nichols Debris Basin---- | Nichols Canyon--------- | Hollywood, Calif.- | .94 | .94 | Sept 1942 | 5 | 1/-- | -- | -- | 2/3.18 | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1943 | 1 | -- | -- | -- | 1.98 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1944 | 1 | -- | -- | -- | .48 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1945 | 1 | -- | -- | -- | .2 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1946 | 1 | -- | -- | -- | .15 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1947 | 1 | -- | -- | -- | 3.72 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1948 | 1 | -- | -- | -- | .29 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1949 | 1 | -- | -- | -- | .38 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | 1 | -- | -- | -- | .8 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1952 | 1.6 | -- | -- | -- | 5.82 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1956 | 3.8 | -- | -- | -- | .47 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | 3.6 | -- | -- | -- | 1.39 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1960 | 1 | -- | -- | -- | 3.29 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1966 | 6 | -- | -- | -- | 1.06 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1968 | 2 | -- | -- | -- | 2.15 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1970 | 2 | -- | -- | -- | 2.77 | -- | |
| 70-51b | Paradise Debris Basin--- | Paradise Canyon-------- | La Canada, Calif.- | .96 | .96 | Sept 1945 | 1 | 1/-- | -- | -- | 2/1.18 | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1946 | 1 | -- | -- | -- | .92 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1947 | 1 | -- | -- | -- | 1 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1948 | 1 | -- | -- | -- | .14 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1949 | 1 | -- | -- | -- | .1 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | .58 | .58 | Apr. 1952 | 1.4 | -- | -- | -- | 5.38 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1956 | 3.9 | -- | -- | -- | .98 | -- | |
| 70-52c | Pickens Debris Basin---- | Pickens Canyon--------- | La Crescenta, CA-- | 1.84 | 1.84 | Sept 1936 | 1 | 1/-- | -- | -- | 2/11 | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1937 | 1 | -- | -- | -- | 6.89 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1938 | 1 | -- | -- | -- | 44.9 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1939 | 1 | -- | -- | -- | 2.95 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1940 | 1 | -- | -- | -- | 4.75 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1941 | 1 | -- | -- | -- | 11.6 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1943 | 2 | -- | -- | -- | 9.03 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1944 | 1 | -- | -- | -- | 3 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1945 | 1 | -- | -- | -- | .51 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1946 | 1 | -- | -- | -- | .23 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1947 | 1 | -- | -- | -- | .37 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1948 | 1 | -- | -- | -- | .15 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1949 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1952 | 2 | -- | -- | -- | 2.25 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | 7 | -- | -- | -- | 2.81 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1966 | 7 | -- | -- | -- | 3.41 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1970 | 4 | -- | -- | -- | 4.44 | -- | |
| 70-53c | Rubio Debris Dam-------- | Rubio Wash------------- | Altadena, Calif.-- | 1.3 | 1.3 | Sept 1946 | 3 | 1/-- | -- | -- | 2/1.69 | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1947 | 1 | -- | -- | -- | .32 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1948 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1949 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1952 | 2 | -- | -- | -- | 1.23 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1957 | 4.7 | -- | -- | -- | .05 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1966 | 9.4 | -- | -- | -- | 2.07 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 3 | -- | -- | -- | 10 | -- | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70-54c | Scholl Debris Basin----- | Scholl Canyon---------- | Glendale, Calif.--- | .66 | .66 | Sept 1947 | 2 | 1/-- | -- | -- | 2/.32 | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1948 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1949 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1952 | 2 | -- | -- | -- | 1.45 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1961 | 9 | -- | -- | -- | .53 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1970 | 9 | -- | -- | -- | .88 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1974 | 4 | -- | -- | -- | .56 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1975 | 1 | -- | -- | -- | .94 | -- | |
| 70-55c | Shields Debris Basin---- | Shields Channel-------- | La Crescenta, CA-- | .27 | .27 | Sept 1938 | 1 | 1/-- | -- | -- | 2/77 | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1939 | 1 | -- | -- | -- | 10.1 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1941 | 2 | -- | -- | -- | 10.9 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1943 | 2 | -- | -- | -- | 5.85 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1944 | 1 | -- | -- | -- | 2.33 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1945 | 1 | -- | -- | -- | .52 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1946 | 1 | -- | -- | -- | 1.04 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1947 | 1 | -- | -- | -- | .04 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1948 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1949 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1952 | 1.5 | -- | -- | -- | 10.9 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1961 | 9.5 | -- | -- | -- | 2.07 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1966 | 5 | -- | -- | -- | 6.81 | -- | |
| 70-56c | Snover Debris Basin----- | Snover Canyon---------- | -----do---------- | .23 | .23 | Sept 1938 | 2 | 1/-- | -- | -- | 2/22.6 | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1939 | 1 | -- | -- | -- | 57 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1941 | 2 | -- | -- | -- | 4.4 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1943 | 2 | -- | -- | -- | 8.3 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1945 | 2 | -- | -- | -- | .65 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1952 | 7 | -- | -- | -- | 1.09 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1961 | 9 | -- | -- | -- | .06 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1968 | 7 | -- | -- | -- | 3.3 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 1 | -- | -- | -- | 56.5 | -- | |
| 70-57b | Sparr Debris Basin------ | Sparr Channel---------- | Montrose, Calif.--- | .84 | .84 | Sept 1947 | .6 | 1/-- | -- | -- | 2/0 | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1948 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1949 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1952 | 1.5 | -- | -- | -- | 3.56 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1956 | 3.9 | -- | -- | -- | 1.13 | -- | |
| 70-58c | Stough Debris Basin----- | Stough Canyon Channel-- | Burbank, Calif.---- | 1.65 | 1.65 | Sept 1943 | 3 | 1/-- | -- | -- | 2/4.22 | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1944 | 1 | -- | -- | -- | 2.84 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1945 | 1 | -- | -- | -- | 1.76 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1946 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1947 | 1 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | 3 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. 1952 | 1.6 | -- | -- | -- | 2.73 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1958 | 6.4 | -- | -- | -- | .37 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1960 | 2 | -- | -- | -- | .75 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1965 | 5 | -- | -- | -- | 2.86 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1973 | 8 | -- | -- | -- | .32 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1975 | 2 | -- | -- | -- | .19 | -- | |
| 70-59d | Sunset Canyon Debris Dam (upper) | Sunset Canyon Channel-- | -----do---------- | .44 | .44 | Nov. 1929 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1942 | 12.9 | -- | -- | -- | 2/1 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1952 | 10 | -- | -- | -- | .45 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | 7 | -- | -- | -- | 1.68 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1966 | 7 | -- | -- | -- | 8.13 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 3 | -- | -- | -- | 6.23 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1971 | 2 | -- | -- | -- | 1.74 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1973 | 2 | -- | -- | -- | .22 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1974 | 1 | -- | -- | -- | 4.5 | -- | |
| 70-60 | Vanalden Debris Basin--- | Vanalden Channel------- | Encino, Calif.----- | 1.08 | 1.08 | Sept 1946 | 1 | 1/-- | -- | -- | 2/.32 | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1947 | 1 | -- | -- | -- | .02 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | 3 | -- | -- | -- | -- | -- | |
| 70-61d | Verdugo Debris Basin---- | Verdugo Wash----------- | Montrose, Calif.--- | 15.5 | 10 | Sept 1938 | 3.58 | 1/-- | -- | -- | 2/1.83 | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1941 | 3 | -- | -- | -- | .81 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1943 | 2 | -- | -- | -- | 2.05 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1944 | 1 | -- | -- | -- | 4.27 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1950 | 6 | -- | -- | -- | .06 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1952 | 2 | -- | -- | -- | .82 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1953 | 1 | -- | -- | -- | 3.73 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1956 | 2.67 | -- | -- | -- | .002 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Jan. 1959 | 2.67 | -- | -- | -- | .89 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1960 | 1.66 | -- | -- | -- | .05 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1964 | 4 | -- | -- | -- | .55 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1966 | 2 | -- | -- | -- | 1.71 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1968 | 2 | -- | -- | -- | .05 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1970 | 2 | -- | -- | -- | 3.14 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1974 | 4 | -- | -- | -- | .45 | -- | |

1/ Capacity of debris basin varies. Debris excavated at various times.

2/ Sedimentation values as computed by LACFCD are based on complete water year.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | SALTON SEA AND SOUTHERN CALIFORNIA COASTAL AND GREAT BASIN DRAINAGE (Continued) | | | | | | | | | | |
| 70-62b | Ward Debris Basin (lower) | Ward Canyon | La Crescenta, CA-- | 1/.64 | 1/.64 | Sept 1945 | 1 | 2/-- | -- | -- | 3/.51 | -- | CE |
| | -do- | -do- | -do- | -- | -- | Sept 1946 | 1 | -- | -- | -- | 1.63 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1947 | 1 | -- | -- | -- | 4.86 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1948 | 1 | -- | -- | -- | 1 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1949 | 1 | -- | -- | -- | .36 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1950 | 1. | -- | -- | -- | 1.11 | -- | |
| | -do- | -do- | -do- | -- | -- | Feb. 1952 | 1.3 | -- | -- | -- | 6.41 | -- | |
| | -do- | -do- | -do- | -- | -- | Apr. 1952 | .2 | -- | -- | -- | -- | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1956 | 4.4 | -- | -- | -- | .52 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1958 | 2 | -- | -- | -- | .7 | -- | |
| 70-63c | West Ravine Debris Basin | West Ravine Canyon | Altadena, Calif.-- | .25 | .25 | Dec. 1935 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Sept 1936 | .83 | -- | -- | -- | 3/57.64 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1937 | 1 | -- | -- | -- | 45.44 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1938 | 1 | -- | -- | -- | 74.04 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1941 | 3 | -- | -- | -- | 9.52 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1943 | 2 | -- | -- | -- | 12.76 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1952 | 9 | -- | -- | -- | 2.68 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1964 | 12 | -- | -- | -- | 1.08 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1968 | 4 | -- | -- | -- | 8.49 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1969 | 1 | -- | -- | -- | 39.36 | -- | |
| 70-64 | Camp Marston | Dehr Creek | Julian, Calif. | 1.6 | 1.59 | -- | 1918 | -- | 44.1 | -- | -- | -- | SCS |
| | -do- | -do- | -do- | -- | -- | Sept 1951 | 33 | -- | 36.9 | -- | *60 | .14 | 183 |
| 70-65c | Cooks Canyon Debris Basin | Cooks Canyon | La Crescenta, CA-- | .58 | .58 | Mar. 1952 | .17 | 2/-- | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Sept 1961 | 9.67 | -- | -- | -- | 3/.28 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1969 | 8 | -- | -- | -- | .028 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1974 | 5 | -- | -- | -- | .34 | -- | |
| 70-66a | Auburn Debris Basin | Auburn Creek | Sierra Madre, CA-- | .19 | .19 | Dec. 1954 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Sept 1962 | 7.8 | -- | -- | -- | 3/11.74 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1968 | 6 | -- | -- | -- | 5.8 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1972 | 4 | -- | -- | -- | 29.1 | -- | |
| 70-67b | Bradbury Debris Basin | Bradbury Canyon | Monrovia, Calif.-- | .68 | .68 | Jan. 1955 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Sept 1959 | 4.75 | -- | -- | -- | 3/8.24 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1961 | 2 | -- | -- | -- | 1.62 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1966 | 5 | -- | -- | -- | 6.66 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1969 | 3 | -- | -- | -- | 23.2 | -- | |
| 70-68a | Carter Debris Basin | Carter Canyon | Sierra Madre, CA-- | .12 | .12 | Dec. 1954 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Sept 1959 | 4.8 | -- | -- | -- | 3/2.8 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1962 | 3 | -- | -- | -- | 23.7 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1969 | 7 | -- | -- | -- | 4.06 | -- | |
| 70-69a | Deer Debris Basin | Deer Canyon | Glendale, Calif.-- | .59 | .59 | Jan. 1955 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Sept 1959 | 4.83 | -- | -- | -- | 3/.55 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1964 | 5 | -- | -- | -- | 2.1 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1965 | 1 | -- | -- | -- | 24.74 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1966 | 1 | -- | -- | -- | 21.19 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1969 | 3 | -- | -- | -- | 19 | -- | |
| 70-70 | Floral (Upper) Debris Basin | Floral Canyon | Sierra Madre, CA-- | .06 | .06 | Mar. 1954 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Sept 1959 | 5.6 | -- | -- | -- | 2.4 | -- | |
| 70-71a | La Tuna Debris Basin | La Tuna Canyon | Sun Valley, Calif. | 5.34 | 5.34 | Jan. 1956 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Feb. 1956 | .1 | -- | -- | -- | 3/7.85 | -- | |
| | -do- | -do- | -do- | -- | -- | July 1957 | 1.4 | -- | -- | -- | .04 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1958 | 1.2 | -- | -- | -- | .13 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1959 | 1 | -- | -- | -- | 2.15 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1960 | 1 | -- | -- | -- | 1.22 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1962 | 2 | -- | -- | -- | 1.53 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1971 | 9 | -- | -- | -- | .2 | -- | |
| 70-72b | Lannan Debris Basin | Lannan Wash | Sierra Madre, CA-- | .25 | .25 | Mar. 1954 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -do- | -do- | -do- | -- | -- | Sept 1962 | 8.6 | -- | -- | -- | 3/3.96 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1967 | 5 | -- | -- | -- | .48 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1970 | 3 | -- | -- | -- | 16.92 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1971 | 1 | -- | -- | -- | 51.77 | -- | |
| | -do- | -do- | -do- | -- | -- | Sept 1974 | 3 | -- | -- | -- | 8.36 | -- | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70-73b | Maddock Debris Basin---- | Maddock Canyon--------- | Duarte, Calif.---- | .25 | .25 | Jan. 1955 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1956 | 1.2 | -- | -- | -- | 3/17.8 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | 3.5 | -- | -- | -- | 3.88 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1967 | 8 | -- | -- | -- | 1.8 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 2 | -- | -- | -- | 15.8 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1970 | 1 | -- | -- | -- | 2.96 | -- | |
| 70-74b | May No. 1 Debris Basin-- | May Canyon------------ | San Fernando, CA-- | .7 | .7 | Aug. 1953 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | 6.2 | -- | -- | -- | 3/.78 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1967 | 8 | -- | -- | -- | 7.2 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1968 | 1 | -- | -- | -- | 23.3 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 1 | -- | -- | -- | 104 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1974 | 5 | -- | -- | -- | .06 | -- | |
| 70-75b | May No. 2 Debris Basin-- | -----do---------- | -----do---------- | .09 | .09 | Aug. 1953 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1967 | 14.17 | -- | -- | -- | 3/2.44 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1968 | 1 | -- | -- | -- | 45.44 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 1 | -- | -- | -- | 28.56 | -- | |
| 70-76a | McClure Debris Basin---- | McClure Canyon--------- | Burbank, Calif.---- | .62 | .62 | Dec. 1953 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | 5.8 | -- | -- | -- | 3/6.6 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1961 | 2 | -- | -- | -- | 9.27 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1965 | 4 | -- | -- | -- | 2.9 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1966 | 1 | -- | -- | -- | 10 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1967 | 1 | -- | -- | -- | 9.52 | -- | |
| 70-77 | Rowley Debris Basin----- | Rowley Canyon---------- | Tujunga, Calif.---- | .58 | .58 | Jan. 1954 | -- | 2/-- | -- | -- | -- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | 5.67 | -- | -- | -- | 3/.62 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1968 | 9 | -- | -- | -- | 1.5 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 1 | -- | -- | -- | 11.8 | -- | |
| 70-78 | Ruby - Upper Debris Basin | Ruby Canyon----------- | Sierra Madre, CA-- | .21 | .21 | Jan. 1954 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | 5.8 | -- | -- | -- | 3/5.2 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1961 | 2 | -- | -- | -- | .29 | -- | |
| 70-79b | Ruby - Lower Debris Basin | -----do---------- | -----do---------- | .1 | .1 | Dec. 1955 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1962 | 6.83 | -- | -- | -- | 3/.5 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 7 | -- | -- | -- | 12.7 | -- | |
| 70-80a | Sawpit Debris Dam------- | Sawpit Creek----------- | Monrovia, Calif.-- | 6.34 | 2.84 | Jan. 1955 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | 4.67 | -- | -- | -- | 3/4.6 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1962 | 3 | -- | -- | -- | 6.9 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 7 | -- | -- | -- | 9.82 | -- | |
| 70-81a | Sierra Madre Villa Debris Basin | Sierra Madre Villa Canyon | Sierra Madre, CA-- | 1.46 | 1.46 | May 1958 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | 1.4 | -- | -- | -- | 3/.34 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1962 | 3 | -- | -- | -- | 16.92 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1968 | 6 | -- | -- | -- | .18 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1970 | 2 | -- | -- | -- | 45.89 | -- | |
| 70-82a | Spinks Debris Basin----- | Spinks Canyon---------- | Monrovia, Calif.-- | .44 | .44 | Dec. 1958 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | .8 | -- | -- | -- | 3/-- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1962 | 3 | -- | -- | -- | 1.66 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 7 | -- | -- | -- | 5.32 | -- | |
| 70-83b | Turnbull Debris Basin--- | Turnbull Canyon Wash--- | Whittier, Calif.-- | .99 | .99 | Jan. 1953 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1968 | 15.75 | -- | -- | -- | 3/.35 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 1 | -- | -- | -- | 15.85 | -- | |
| 70-84 | Zachau Debris Basin----- | Zachau Canyon---------- | Tujunga, Calif.---- | .35 | .35 | Aug. 1956 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1961 | 5.16 | -- | -- | -- | 3/.31 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 8 | -- | -- | -- | 2.54 | -- | |
| 70-85a | Ward Debris Basin (Upper) | Ward Canyon------------ | La Crescenta, CA-- | .1 | .1 | Nov. 1956 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1957 | .8 | -- | -- | -- | 3/30.1 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1958 | 1 | -- | -- | -- | 39.3 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1959 | 1 | -- | -- | -- | 17.5 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1967 | 8 | -- | -- | -- | .4 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1968 | 1 | -- | -- | -- | 3.1 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1969 | 1 | -- | -- | -- | 22.9 | -- | |
| 70-86 | Sepulveda Flood Control Basin | Los Angeles River------ | Van Nuys, Calif.-- | 152 | 142 | Nov. 1941 | -- | 16,720 | 1 | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1944 | 3 | 17,437 | 1.04 | -- | -- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1961 | 16.6 | 17,296 | 1.03 | -- | .06 | -- | |
| 70-87a | Santa Fe Flood Control Basin | San Gabriel River------ | Baldwin Park, CA-- | 236 | 4/20.54 | Apr. 1943 | -- | 34,670 | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1949 | 6.6 | 34,276 | -- | -- | 2.91 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1959 | 9.3 | 33,987 | -- | -- | 1.51 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1961 | 2.2 | 33,385 | -- | -- | 13.32 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Feb. 1967 | 5.7 | 32,716 | -- | -- | 5.72 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1968 | 1.6 | 2/34,916 | -- | -- | -- | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1969 | .9 | 32,642 | -- | -- | 123 | -- | |
| 70-88a | Bell IV (0804)---------- | Bell Creek------------ | Glendora, Calif.-- | .061 | .061 | Jan. 1966 | -- | 2.3 | .234 | -- | -- | -- | FS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Dec. 1966 | .96 | -- | -- | -- | 1.16 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1968 | 1.86 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Mar. 1969 | .43 | -- | -- | -- | 39.6 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1970 | 1.41 | -- | -- | -- | .018 | -- | |
| 70-89a | Bell Debris Basin------- | -----do---------- | Canoga Park, Calif | 7 | 7 | Oct. 1967 | -- | 2/-- | -- | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1970 | 3 | -- | -- | -- | 3/.6 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1971 | 1 | -- | -- | -- | .45 | -- | |

1/ Drainage area 0.35 sq. mi. through 1947; 0.64 after 1947.
2/ Capacity of debris basin varies. Debris excavated at various times.
3/ Sedimentation values computed by Los Angeles County FCD are based on complete water year.
4/ Excludes drainage area above Morris Dam (215.46 sq. mi.).
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | | SALTON SEA AND SOUTHERN CALIFORNIA COASTAL AND GREAT BASIN DRAINAGE (Continued) | | | | | | | | | |
| 70-90 | Carbon Canyon F. C. Basin | Carbon Canyon Creek---- | Brea, Calif.------ | 19.3 | 19.3 | Mar. 1961 | -- | 7,033 | 10.0 | - | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1969 | 8.5 | 6,615 | 9.45 | -- | 2.54 | -- | |
| 70-91a | Childs Debris Basin----- | Childs Canyon---------- | Glendale, Calif.-- | .31 | .31 | Sept 1963 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1966 | 3 | -- | -- | -- | 2/8.81 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1968 | 2 | -- | -- | -- | 1.26 | -- | |
| 70-92a | Elmwood Debris Basin---- | Elmwood Canyon--------- | Burbank, Calif.--- | .31 | .31 | -- 1964 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1968 | 4 | -- | -- | -- | 2/7.92 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1974 | 6 | -- | -- | -- | 2.06 | -- | |
| 70-93a | Englewild Debris Basin-- | Englewild Canyon------- | Glendora, Calif.-- | .4 | .4 | Sept 1961 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1969 | 8 | -- | -- | -- | 2/10.38 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1970 | 1 | -- | -- | -- | 13.48 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1972 | 2 | -- | -- | -- | 2.18 | -- | |
| 70-94 | Harrow Debris Basin----- | Harrow Canyon---------- | Glendora, Calif.-- | .43 | .43 | Sept 1958 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1969 | 11 | -- | -- | -- | 2/6.77 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1970 | 1 | -- | -- | -- | 16.3 | -- | |
| 70-95 | Hook East Debris Basin-- | Hook Canyon----------- | Azusa, Calif.----- | .18 | .18 | Sept 1967 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1969 | 2 | -- | -- | -- | 2/66.7 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1970 | 1 | -- | -- | -- | 2.78 | -- | |
| 70-96a | Kinneloa Debris Basin--- | Kinneloa Canyon-------- | Pasadena, Calif.-- | .2 | .2 | Oct. 1964 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1966 | 1.92 | -- | -- | -- | 2/10.5 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1969 | 3 | -- | -- | -- | 21.65 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1970 | 1 | -- | -- | -- | 12.7 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1971 | 1 | -- | -- | -- | 3.1 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1974 | 3 | -- | -- | -- | 4.55 | -- | |
| 70-97a | Kinneloa - West Debris Basin | -----do----------- | Altadena, Calif.-- | .16 | .16 | Sept 1966 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1969 | 3 | -- | -- | -- | 2/30.8 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1970 | 1 | -- | -- | -- | 19.4 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1971 | 1 | -- | -- | -- | 10.94 | -- | |
| 70-98a | Little Dalton Debris Dam | Little Dalton---------- | Glendora, Calif.-- | 3.3 | 3.3 | Feb. 1960 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1962 | 2.6 | -- | -- | -- | 2/15.9 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1969 | 7 | -- | -- | -- | 12.4 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1974 | 5 | -- | -- | -- | .14 | -- | |
| 70-99a | Morgan Debris Basin----- | Morgan Canyon---------- | -----do---------- | .6 | .6 | Sept 1964 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1969 | 5 | -- | -- | -- | 2/2.81 | -- | |
| 70-100 | San Antonio F. C. Basin- | San Antonio Creek------ | Claremont, Calif.- | 26.7 | 26.7 | Aug. 1956 | -- | 9,285 | .9 | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | July 1969 | 12.91 | 6,718 | .65 | -- | 7.45 | -- | |
| 70-101a | Schoolhouse Debris Basin | Mansfield Av. Storm Draw | Olive View, Calif. | .28 | .28 | June 1963 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1967 | 4.33 | -- | -- | -- | 2/10.75 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1971 | 4 | -- | -- | -- | 3.21 | -- | |
| 70-102a | Sunset Debris Basin (Lower) | Sunset Canyon---------- | Glendale, Calif.-- | .65 | .65 | Jan. 1964 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1965 | 1.75 | -- | -- | -- | 2/10.62 | -- | |
| 70-103a | Santa Anita Debris Basin | Santa Anita Creek------ | Arcadia, Calif.--- | 1.7 | 1.7 | Dec. 1959 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1962 | 2.8 | -- | -- | -- | 2/19.1 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1968 | 6 | -- | -- | -- | .67 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1970 | 2 | -- | -- | -- | 50 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1971 | 1 | -- | -- | -- | 15.92 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1975 | 4 | -- | -- | -- | 6.08 | -- | |
| 70-104a | Wilson Debris Basin----- | Wilson Canyon---------- | Olive View, Calif. | 2.58 | 2.58 | June 1963 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1967 | 4.2 | -- | -- | -- | 2/5.23 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1972 | 5 | -- | -- | -- | .5 | -- | |
| 70-105a | Wildwood Debris Basin--- | Wildwood Creek--------- | Newhall, Calif.--- | .65 | .65 | Sept 1967 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1969 | 2 | -- | -- | -- | 2/8.62 | -- | |
| 70-106 | Winery Debris Basin----- | Winery Canyon---------- | La Crescenta, CA-- | .18 | .18 | Sept 1968 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1969 | 1 | -- | -- | -- | 2/28.2 | -- | |
| 70-107 | Aliso Debris Basin------ | Aliso Canyon----------- | Granada Hills, CA- | 2.77 | 2.77 | July 1970 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1971 | 1.25 | -- | -- | -- | 2/1.13 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1975 | 4 | -- | -- | -- | .53 | -- | |
| 70-108 | Altadena Golf Course Debris Basin | Rubio Wash------------ | Altadena, Calif.-- | .2 | .2 | Sept 1959 | 1 | 1/-- | -- | -- | 2/11.7 | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1946 | 13 | -- | -- | -- | .25 | -- | |
| 70-109 | Beatty Debris Basin----- | Beatty Canyon---------- | Azusa, Calif.----- | .27 | .27 | Dec. 1970 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1975 | 5 | -- | -- | -- | 2/1.67 | -- | |
| 70-110 | Big Dalton Debris Basin- | Big Dalton Wash-------- | Glendora, Calif.-- | 2.9 | 2.9 | Feb. 1960 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1962 | 2.67 | -- | -- | -- | 2/14.1 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1969 | 7 | -- | -- | -- | 12.81 | -- | |
| 70-111 | Blanchard Debris Basin-- | Blanchard Canyon------- | Tujunga, Calif.--- | .5 | .5 | Jan. 1968 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Sept 1972 | 4.75 | -- | -- | -- | 2/3.66 | -- | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70-112 | Brace Debris Basin------ | Brace Canyon---------- | Burbank, Calif.--- | .29 | .29 | Feb. 1971 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Sept 1975 | 4 | -- | -- | -- | 2/12.72 | -- | |
| 70-113 | Limekiln Debris Basin--- | Limekiln Canyon Wash--- | Granada Hills, CA- | 3.69 | 3.69 | -- 1963 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Sept 1968 | 5 | -- | -- | -- | 2/.07 | -- | |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Sept 1970 | 2 | -- | -- | -- | 11.25 | -- | |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Sept 1974 | 4 | -- | -- | -- | .88 | -- | |
| 70-114 | Lopez Flood-Control Basin | Pacoima Wash---------- | San Fernando, CA-- | 34 | 34 | Dec. 1954 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Jan. 1973 | 18.17 | -- | -- | -- | 2/.77 | -- | |
| 70-115 | Oak Glade Debris Basin-- | Trib. Sawpit Wash------ | Monrovia, Calif.-- | .06 | .06 | Aug. 1974 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Sept 1975 | 1 | -- | -- | -- | 2/3.17 | -- | |
| 70-116 | Starfall Debris Basin--- | Starfall Canyon-------- | La Crescenta, CA-- | .13 | .13 | Nov. 1973 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Sept 1975 | 2 | -- | -- | -- | 2/6. | -- | |
| 70-117 | Sturtevant Debris Basin- | Unnamed---------- | Sierra Madre, CA-- | .03 | .03 | Oct. 1967 | -- | 1/-- | -- | -- | -- | -- | CE |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Sept 1972 | 5 | -- | -- | -- | 2/1.33 | -- | |

SAN JOAQUIN AND KEEN RIVER BASINS AND ADJACENT COASTAL DRAINAGE

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71-1 | Upper Crystal Springs--- | Laguna Creek---------- | San Francisco, CA- | 13.3 | 12 | Jan. 1878 | -- | 29,138 | 12.67 | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Oct. 1935 | 57.8 | 28,159 | 12.24 | -- | 1.41 | -- | |
| 71-2 | Atascadero Park Lake---- | Atascadero Creek------- | Atascadero, Calif. | 1 | 1 | -- 1918 | -- | 150 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Nov. 1947 | 29 | 136 | -- | *60 | .48 | 627 | |
| 71-3 | Hawkins---------- | N. Fk. Los Viboras Creek | Hollister, Calif.- | 4.04 | 4.01 | -- 1912 | -- | 549 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | May 1940 | 28 | 3/532 | -- | *60 | 3/.15 | 196 | |
| 71-4b | Santa Margarita Lake 4/- | Salinas River---------- | Pozo, Calif.------ | 112 | 110 | -- 1942 | -- | 5/25,800 | -- | -- | -- | -- | GS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Nov. 1947 | 6 | 25,660 | -- | -- | .21 | -- | |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Aug. 1953 | 6 | 25,390 | -- | 40 | .41 | 357 | |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | July 1975 | 22 | 23,000 | 1.15 | 58 | 6/.98 | 6/1,627 | |
| 71-5 | Copperopolis---------- | Penney Creek---------- | Copperopolis, CA-- | 2.06 | 2.01 | -- 1915 | -- | 265 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Aug. 1945 | 30 | 263 | -- | 55 | .034 | 41 | |
| 71-6 | Crane Valley---------- | N. Fk. San Joaquin R.-- | Madera, Calif.---- | 54.5 | 52.7 | -- 1901 | -- | 45,410 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | June 1946 | 45 | 45,028 | -- | *62 | .161 | 217 | |
| 71-7 | Davis---------- | Shaw Creek---------- | Stockton, Calif.-- | 7.87 | 7.62 | -- 1917 | -- | 1,421 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Sept 1945 | 28 | 1,367 | -- | 63 | .251 | 344 | |
| 71-8 | Don Pedro---------- | Tuolumne River--------- | Modesto, Calif.--- | 1,001 | 996.5 | Mar. 1923 | -- | 289,000 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Nov. 1945 | 22.7 | 284,266 | -- | *62 | .21 | 284 | |
| 71-9 | Exchequer---------- | Merced River---------- | Merced, Calif.---- | 1,027 | 1,022.4 | Sept 1926 | -- | 289,000 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Mar. 1946 | 19.6 | 285,646 | -- | 62 | .167 | 226 | |
| 71-10 | Gilmore---------- | Trib. of Mormon Slough- | Bellota, Calif.--- | 5.01 | 4.92 | Sept 1917 | -- | 579 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Aug. 1945 | 28 | 560 | -- | 50 | .132 | 144 | |
| 71-11 | Hume---------- | Ten Mile Creek---------- | Fresno, Calif.---- | 24.2 | 24.1 | June 1909 | -- | 1,410 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | June 1946 | 37 | 1,383 | -- | *62 | .03 | 40 | |
| 71-12 | La Grange---------- | Tuolumne River--------- | Modesto, Calif.--- | 1,501 | 7/1,501 | Sept 1895 | -- | 2,332 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Oct. 1905 | 10.1 | 1,068 | -- | *70 | .083 | 127 | |
| 71-13 | Lyons---------- | S. Fk. Stanislaus River | Tuolumne, Calif.-- | 8/40 | 39.7 | June 1930 | -- | 5,500 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | June 1946 | 16 | 5,436 | -- | *70 | .101 | 154 | |
| 71-14 | McCarty---------- | Trib. of Johnny Creek-- | San Andreas, Calif. | .35 | .32 | Dec. 1937 | -- | 96.3 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Sept 1945 | 7.7 | 96.5 | -- | *45 | .3 | 294 | |
| 71-15 | Pardee---------- | Mokelumne River--------- | Lodi, Calif.------ | 9/387 | 383.5 | -- 1929 | -- | 210,000 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Aug. 1943 | 14 | 209,183 | -- | *62 | .152 | 205 | |
| 71-16 | Salt Springs Valley----- | Rock Creek---------- | San Andreas, Calif. | 20.3 | 18.4 | -- 1882 | -- | 12,930 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | July 1945 | 63 | 12,697 | -- | *50 | .201 | 219 | |
| 71-17 | (Upper) Bear River------ | Bear River---------- | Placerville, Calif. | 28.5 | 28.2 | Sept 1900 | -- | 6,712 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | June 1946 | 45.8 | 6,690 | -- | *70 | .017 | 26 | |
| 71-18a | Wood Pond---------- | Sycamore Creek--------- | Danville, Calif.--- | .3 | .3 | -- 1940 | -- | 4.41 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | -- 1951 | 11 | 4.23 | -- | 80 | .053 | 92 | |
| 71-19 | St. Mary's---------- | Walnut Creek---------- | Walnut Creek, CA--- | 3.11 | 2.97 | -- 1928 | -- | 134.01 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | -- 1951 | 23 | 88.59 | -- | 45 | .66 | 647 | |
| 71-20 | Black Hills---------- | Green Valley Creek----- | Danville, Calif.--- | .76 | .76 | -- 1880 | -- | 32.68 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | -- 1951 | 71 | 27.04 | -- | 46 | .11 | 110 | |
| 71-21 | Lakewood---------- | Walnut Creek---------- | Concord, Calif.--- | .75 | .74 | -- 1913 | -- | 27.08 | -- | -- | -- | -- | SCS |
| | ---- do----------- | -----do---------- | -----do---------- | -- | -- | -- 1951 | 40 | 24.86 | -- | 30 | .076 | 50 | |
| 71-22 | Contra Costa Country Club | Grayson Creek---------- | Pacheco, Calif.--- | .2 | .2 | -- 1934 | -- | 5.75 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | -- 1951 | 17 | 5.24 | -- | 40 | .15 | 131 | |
| 71-23 | Englehart Pond---------- | Marsh Creek------------ | Brentwood, Calif.- | .033 | .033 | -- 1945 | -- | 1.34 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Jan. 1953 | 7 | 1.32 | -- | *60 | .088 | 115 | |
| 71-24a | C. C. Anderson Pond----- | -----do---------- | -----do---------- | .083 | .083 | -- 1945 | -- | 1.92 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Oct. 1952 | 7 | 1.864 | -- | *65 | 10/.096 | 10/136 | |
| 71-25 | Upper Walter Keller Pond | -----do---------- | -----do---------- | .027 | .027 | -- 1943 | -- | 1.347 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Oct. 1952 | 9 | 1.185 | -- | *40 | 10/.682 | 10/594 | |
| 71-26 | F. J. Hoey Pond--------- | Alhambra Creek--------- | -----do---------- | .045 | .045 | -- 1947 | -- | 2.45 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Jan. 1953 | 5 | 2.32 | -- | *55 | 10/.578 | 10/692 | |
| 71-27a | Lee Higgins Pond-------- | Marsh Creek------------ | -----do---------- | .202 | .199 | -- 1941 | -- | 12.6 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Oct. 1953 | 12 | 12.28 | -- | *40 | .14 | 122 | |
| 71-28a | Souza---------- | -----do---------- | -----do---------- | .319 | .283 | -- 1946 | -- | 176.49 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Jan. 1953 | 6 | 174.97 | -- | *30 | .894 | 584 | |
| 71-29a | Ordway---------- | -----do---------- | -----do---------- | .619 | .613 | -- 1945 | -- | 60.9 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Jan. 1953 | 7 | 60.07 | -- | *70 | .19 | 290 | |
| 71-30 | North Fork---------- | Pacheco Creek---------- | Hollister, Calif.- | 66.2 | *66 | -- 1938 | -- | 5,803 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do---------- | -----do---------- | -- | -- | Apr. 1951 | 12.4 | 5,706 | -- | *45 | 10/.12 | 10/118 | |

1/ Capacity of debris basin varies. Debris excavated at various times.
2/ Sedimentation values as computed by Los Angeles County FCD are based on complete water year.
3/ Some sediment sluiced out incidental to work on outlet.
4/ Name changed in 1967. Previously reported as Salinas.
5/ Original capacity previously reported as 26,000 ac. ft.
6/ Includes sediment above spillway crest elevation.
7/ Before construction of Don Pedro Reservoir in 1923.
8/ Excluding drainage area of Strawberry Reservoir.
9/ Excluding noncontributing areas above Salt Springs and Bear River Reservoir.
10/ Excluding pond area.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | | | | SAN JOAQUIN AND KEEN RIVER BASINS AND ADJACENT COASTAL DRAINAGE (Continued) | | | | | | | | | |
| 71-31a | Teakettle Reservoir #1-- | Teakettle Creek-------- | Fresno, Calif.---- | .77 | .77 | Fall 1938 | -- | .39 | -- | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1948 | 10 | .18 | -- | -- | .0271 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1951 | 3 | .002 | -- | -- | .11 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1955 | 4 | 0 | -- | -- | .0078 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1956 | -- | 1/.352 | -- | -- | -- | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1957 | 1 | -- | -- | -- | -- | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1958 | 1 | -- | -- | -- | .0591 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1959 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1960 | 1 | -- | -- | -- | .0158 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1961 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1962 | 1 | -- | -- | -- | .0065 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1963 | 1 | -- | -- | -- | .3228 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1964 | 1 | -- | -- | -- | .0889 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1965 | 1 | -- | -- | -- | .0054 | -- | |
| 71-32a | Teakettle Reservoir #2a- | -----do----------- | -----do---------- | .273 | .273 | Fall 1938 | -- | .079 | -- | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1941 | 3 | .068 | -- | -- | .0146 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1948 | 7 | .05 | -- | -- | .0084 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1951 | 3 | .03 | -- | -- | .028 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1955 | 4 | .015 | -- | -- | .011 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1956 | 1 | 2/.066 | -- | -- | -- | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1957 | 1 | -- | -- | -- | -- | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1958 | 1 | -- | -- | -- | .0241 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1959 | 1 | -- | -- | -- | .0059 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1960 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1961 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1962 | 1 | -- | -- | -- | .0003 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1963 | 1 | -- | -- | -- | .0462 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1964 | 1 | -- | -- | -- | .0572 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1965 | 1 | -- | -- | -- | 0 | -- | |
| 71-33a | Teakettle Reservoir #2-- | -----do----------- | -----do---------- | .847 | .847 | Fall 1938 | -- | .134 | -- | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1948 | 10 | .078 | -- | -- | .0066 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1951 | 3 | .021 | -- | -- | .025 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1955 | 4 | .0022 | -- | -- | .008 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1956 | -- | 2/.101 | -- | -- | -- | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1957 | 1 | -- | -- | -- | -- | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1958 | 1 | -- | -- | -- | .0166 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1959 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1960 | 1 | -- | -- | -- | .0032 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1961 | 1 | -- | -- | -- | .0032 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1962 | 1 | -- | -- | -- | .0015 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1963 | 1 | -- | -- | -- | .0474 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1964 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1965 | 1 | -- | -- | -- | -- | -- | |
| 71-34a | Teakettle Reservoir #3-- | -----do----------- | -----do---------- | .856 | .856 | Fall 1938 | -- | .131 | -- | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1940 | 2 | .127 | -- | -- | .0026 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1941 | 1 | .109 | -- | -- | .0204 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1948 | 7 | .04 | -- | -- | .0112 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | 3/Fall 1951 | 3 | .007 | -- | -- | .016 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1956 | -- | 2/.117 | -- | -- | -- | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1957 | 1 | -- | -- | -- | -- | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1958 | 1 | -- | -- | -- | .0073 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1959 | 1 | -- | -- | -- | .0042 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1960 | 1 | -- | -- | -- | .0003 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1961 | 1 | -- | -- | -- | 0 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1962 | 1 | -- | -- | -- | .0049 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1963 | 1 | -- | -- | -- | .1457 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1964 | 1 | -- | -- | -- | .0619 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1965 | 1 | -- | -- | -- | .0338 | -- | |
| 71-35 | Teakettle No. 7---------- | -----do----------- | -----do---------- | .091 | .091 | Fall 1956 | (1938-56) | .222 | .159 | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1957 | 19 | .181 | .129 | -- | .029 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1958 | 1 | .178 | .127 | -- | 4/-.013 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1959 | 1 | .182 | .13 | -- | 4/-.037 | -- | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Fall 1960 | 1 | .178 | .127 | -- | .069 | -- | |
| 71-36 | Pine Flat---------- | Kings River---------- | Sanger, Calif.---- | 1,542 | 1,542 | May 1952 | -- | 1,013,400 | .612 | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Feb. 1954 | 5/1.8 | 1,013,290 | .612 | *62 | .04 | 54 | |
| | -----do----------- | -----do----------- | -----do---------- | -- | -- | Nov. 1956 | 6/3 | 1,011,950 | .611 | *62 | .29 | 392 | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71-37 | Salinas Boys Ranch------ | Trib. Natividad Creek-- | Salinas, Calif.--- | .13 | .13 | 7/Oct. | 1953 | -- | 7/9.65 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept | 1964 | 11 | 9.34 | -- | *65 | .23 | 326 | |
| 71-38 | Roy Alexander---------- | -----do----------- | -----do----------- | .205 | .203 | 8/-- | 1951 | -- | 8/8.4 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept | 1964 | 13 | 8.15 | -- | *65 | .1 | 142 | |
| 71-39 | Gibralter--------------- | Santa Ynez---------- | Santa Barbara, CA- | 216 | 9/202.2 | Oct. | 1919 | -- | 15,296 | .42 | -- | -- | -- | GS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. | 1923 | 3.83 | 13,674 | .38 | -- | 1.96 | -- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. | 1944 | 21 | 7,720 | .21 | -- | 9/1.47 | -- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Feb. | 1956 | 11.42 | 14,777 | .41 | -- | .43 | -- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. | 1969 | 13.5 | 9,654 | .27 | -- | 1.88 | -- | |
| 71-40 | Santa Felicia---------- | Piru Creek---------- | Piru, Calif.------- | 425 | 425 | Oct. | 1955 | -- | 101,200 | -- | -- | -- | -- | GS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. | 1965 | 10 | 98,730 | -- | 52 | .58 | 658 | |
| 71-41 | Success Lake----------- | Tule River---------- | Porterville, Calif. | 393 | 393 | Sept | 1960 | -- | *86,160 | .681 | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Nov. | 1965 | 5.2 | 86,160 | .681 | -- | *0 | *0 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Nov. | 1967 | 2 | 83,610 | .66 | *62 | 3.244 | 4,383 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Dec. | 1968 | 1.1 | 83,680 | .661 | *62 | -.163 | -219 | |
| 71-42 | Isabella Reservoir------ | Kern River---------- | Isabella, Calif.-- | 2,074 | 2,074 | June | 1953 | -- | 539,665 | .81 | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept | 1956 | 3.3 | 539,115 | .81 | *62 | .074 | 100 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Dec. | 1968 | 12.2 | 534,465 | .803 | *62 | .186 | 252 | |
| 71-43 | L. Kaweah (Terminus Dam) | Kaweah River---------- | Lemon Cove, Calif. | 560 | 560 | Nov. | 1961 | -- | 149,599 | .389 | -- | -- | -- | CE |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Nov. | 1967 | 6 | 147,099 | .382 | *62 | .745 | 1,006 | |
| 71-44 | Cachuma---------- | Santa Ynez River------- | Santa Ynez, Calif. | 417 | 196 | Jan. | 1953 | -- | 204,874 | -- | -- | -- | -- | BR |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Aug. | 1969 | 16.58 | 10/192,574 | -- | -- | 10/3.79 | -- | |
| 71-45 | Loch Lomond (Newell Cr. Dam) | Newell Creek---------- | Zayante, Calif.---- | 5.1 | 4.8 | -- | 1960 | -- | 8,600 | -- | -- | -- | -- | GS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Sept | 1971 | 10 | 8,554 | -- | 56.5 | .96 | 1,180 | |
| 71-46 | Williams Reservoir------ | Los Gatos Creek-------- | -----, Calif.------ | 5.25 | 5.24 | -- | 1913 | -- | 197 | -- | -- | -- | -- | GS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Mar. | 1971 | 58 | 108 | -- | 65 | .16 | 227 | |

SACRAMENTO, EEL AND RUSSIAN RIVER BASINS

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72-1a | Ridgewood (Walker)------ | Walker Creek---------- | Willits, Calif.---- | 5.7 | 5.6 | -- | 1930 | -- | 313 | .1 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | June | 1966 | 36 | 216 | .07 | 77.5 | .48 | 1,063 | |
| 72-2a | Morris---------- | Davis Creek---------- | -----do----------- | 5.1 | 5.03 | -- | 1924 | -- | *320 | .12 | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | -- | 1927 | 3 | *775 | .29 | -- | -- | -- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | May | 1960 | 36 | 660 | .24 | *50 | .63 | 686 | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | May | 1966 | 6 | 643 | .24 | 50.3 | .56 | 642 | |
| 72-3 | Big Canyon---------- | Big Canyon Creek------- | French Town, Calif. | 5.5 | 5.48 | Nov. | 1934 | -- | 200 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. | 1945 | 11 | 196 | -- | 44.7 | .069 | 67 | |
| 72-4 | Blodgett---------- | Trib. Cosumnes River--- | Sacramento, Calif. | 3.12 | 3.05 | Mar. | 1940 | -- | 258 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. | 1945 | 5.6 | 254 | -- | 46 | .217 | 217 | |
| 72-5 | Bullards Bar---------- | North Yuba River------- | Camptonville, CA-- | 480 | 479 | Oct. | 1919 | -- | 31,500 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Jan. | 1939 | 19.2 | 28,893 | -- | *70 | .284 | 433 | |
| 72-6 | Combie (Van Geisen)----- | Bear River---------- | Auburn, Calif.----- | 130 | 129 | June | 1928 | -- | 8,545 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. | 1935 | 7.3 | 7,840 | -- | *70 | .749 | 1,140 | |
| 72-7b | East Park---------- | Little Stony Creek----- | Stonyford, Calif.- | 11/101.5 | 98.9 | Dec. | 1910 | -- | 12/50,900 | -- | -- | -- | -- | GC |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Nov. | 1962 | 52 | 48,940 | .8 | 55 | 13/.37 | 13/443 | |
| 72-8 | Faulke Lake (False Lake) | N. Fk. Jenney Creek---- | Shasta, Calif.----- | .71 | .68 | -- | 1851 | -- | 130 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Dec. | 1945 | 94 | 120 | -- | 54 | .147 | 173 | |
| 72-9 | Gerber---------- | Trib. of Burch Creek--- | Corning, Calif.---- | .31 | .28 | June | 1917 | -- | 190 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Dec. | 1945 | 28.5 | 182 | -- | 78.3 | .971 | 1,656 | |
| 72-10 | Magalia---------- | Little Butte Creek----- | Chico, Calif.------ | 14/8.23 | 8.08 | Jan. | 1918 | -- | 3,718 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Jan. | 1946 | 28 | 3,648 | -- | 48.8 | .307 | 326 | |
| 72-11b | Stony Gorge---------- | Stony Creek---------- | Elk Creek, Calif.- | 15/199 | 197 | Nov. | 1928 | -- | 16/50,000 | -- | -- | -- | -- | GS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Nov. | 1962 | 34.1 | 48,160 | .29 | 54 | 13/.27 | 13/319 | |
| 72-12 | Misselbeck---------- | N. Fk. Cottonwood Cr.-- | Redding, Calif.---- | 12 | 11.8 | May | 1920 | -- | 4,300 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Dec. | 1945 | 25.5 | 4,086 | -- | *75 | .711 | 1,161 | |
| 72-13 | L. Pillsbury (Scott Dam) | Eel River---------- | Potter Vally, CA-- | 288 | 284 | Dec. | 1921 | -- | 94,396 | .248 | -- | -- | -- | GS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | May | 1959 | 37.5 | 86,785 | .228 | 73 | .71 | 1,129 | |
| 72-14 | Catacoula (Bar 49)------ | Maxewell Creek--------- | St. Helena, Calif. | .71 | .69 | -- | 1953 | -- | 183 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Nov. | 1958 | 5 | 181.4 | -- | -- | .46 | -- | |
| 72-15 | Milliken---------- | Milliken Creek--------- | Napa, Calif.------- | 10.5 | 10.4 | -- | 1924 | -- | 2,000 | -- | -- | -- | -- | SCS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | Oct. | 1958 | 34 | 1,988 | -- | -- | .04 | -- | |
| 72-16a | Onion Creek No. 1------- | Onion Cr, Trib. Amer. R | Soda Springs, CA-- | .19 | .19 | -- | 1957 | -- | .114 | .039 | -- | -- | -- | FS |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | -- | 1958 | 1 | .096 | .033 | -- | .074 | -- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | -- | 1959 | 1 | .097 | .033 | -- | .071 | -- | |
| | -----do----------- | -----do----------- | -----do----------- | -- | -- | -- | 1960 | 1 | .093 | .032 | -- | .024 | -- | |

1/ Overtopped by sediment, no measurements taken in 1956; sediment removed down to original reservoir bottom.

2/ Sediment removed in summer 1956 - no measurements taken.

3/ Last data for which significant data are available; reservoir inoperative until 1956 when sediment was removed.

4/ Loss of sediment not applicable to watershed as a whole.

5/ Period of abnormal operation. Represents 0.3 year of sediment accumulation behind partially closed gates and 1.5 years of sediment depletion with wide open gates. Sediment value is residue at end of period.

6/ Represents sedimentation for 3 full runoff years because no significant inflow occurred from Oct. 1, 1953, to Feb. 13, 1954, or from Oct. 1, 1956, to Nov. 15, 1956.

7/ Original capacity determined from 1965 survey.

8/ Original capacity determined from 1964 survey.

9/ Effective drainage area prior to 1931 was 216 sq. mi. There after 202.2 sq. mi.

10/ Data at elevation 748 (limit of 8-7-69 survey). Spillway crest elevation 750 ft.

11/ Natural drainage area. Flow diverted into the reservoir from Stony Gorge drainage basin after 1914.

12/ Spillway elevation (flashboard crest elevation 50,900); USGS Water-Supply Paper 1798-F.

13/ Based on the natural drainage area.

14/ Excluding 3 sq. mi. above P. G. & E. Canal.

15/ The natural drainage area less area above East Park Reservoir. Flow diverted from the basin to East Park Reservoir after 1914.

16/ U. S. Bureau of Reclamation capacity curve (3-31-45); USGS Water-Supply Papers 1635 Part II., 1798-F.

* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SACRAMENTO, EEL AND RUSSIAN RIVER BASINS (Continued) | | | | | | | | |
| 72-17 | Onion Creek No. 2 | Onion Cr, Trib. Amer. R. | Soda Springs, CA-- | .48 | .48 | -- 1957 | -- | .132 | .042 | -- | -- | -- | FS |
| | do | do | do | -- | -- | -- 1958 | 1 | .083 | .026 | -- | .1226 | -- | |
| | do | do | do | -- | -- | -- 1959 | 1 | .081 | .026 | -- | .0004 | -- | |
| | do | do | do | -- | -- | -- 1960 | 1 | .069 | .022 | -- | .0206 | -- | |
| 72-18 | Onion Creek No. 3 | do | do | .65 | .65 | -- 1958 | -- | .191 | .062 | -- | -- | -- | FS |
| | do | do | do | -- | -- | -- 1959 | 1 | .205 | .067 | -- | 1/.0 | -- | |
| | do | do | do | -- | -- | -- 1960 | 1 | .186 | .061 | -- | .0273 | -- | |
| 72-19a | Onion Creek No. 5 | do | do | .39 | .39 | -- 1957 | -- | .177 | .058 | -- | -- | -- | FS |
| | do | do | do | -- | -- | -- 1958 | 1 | .112 | .037 | -- | .1248 | -- | |
| | do | do | do | -- | -- | -- 1959 | 1 | .101 | .033 | -- | .0256 | -- | |
| | do | do | do | -- | -- | -- 1960 | 1 | .046 | .015 | -- | .175 | -- | |
| 72-20a | Onion Creek No. 7 | do | do | .8 | .8 | -- 1958 | -- | .0754 | .025 | -- | -- | -- | FS |
| | do | do | do | -- | -- | -- 1959 | 1 | .0723 | .024 | -- | .0069 | -- | |
| | do | do | do | -- | -- | -- 1960 | 1 | .0605 | .02 | -- | .001 | -- | |
| 72-21 | Leo Trentadue | Trib. of Dry Creek | Geyserville, CA--- | .038 | .037 | 2/Aug. 1961 | -- | 2/10.3 | *.221 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1965 | 4 | 9.86 | *.211 | *66 | 2.97 | 4,269 | |
| 72-22 | Hazel Hill | do | do | .175 | .173 | 2/Oct. 1960 | -- | 2/21.5 | *.099 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1965 | 5 | 21.04 | *.097 | *65 | .52 | 736 | |
| 72-23 | Babe Wood | do | Cloverdale, Calif. | 1.69 | 1.68 | 2/Oct. 1958 | -- | 2/54.85 | *.027 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. 1965 | 7 | 46.76 | *.023 | *78.9 | .69 | 1,186 | |
| 72-24 | Nielson | Trib. Santa Rosa Creek | Santa Rosa, Calif. | .187 | .184 | 3/Nov. 1960 | -- | 3/17.36 | .092 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Nov. 1964 | 4 | 16.62 | .088 | *65 | .96 | 1,359 | |
| 72-25 | Leo Frediani | Seven Oaks Creek | Healdsburg, Calif. | .594 | .592 | 4/Oct. 1960 | -- | 4/6.78 | *.01 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Oct. 1965 | 5 | 4.61 | *.007 | 5/87 | .73 | 1,383 | |
| 72-26a | Casper Creek - South Fk. | Casper Creek | Casper, Calif. | 1.63 | 1.63 | Fall 1962 | -- | -- | -- | -- | -- | -- | FS |
| | do | do | do | -- | -- | Sum. 1963 | .8 | -- | -- | -- | .054 | -- | |
| | do | do | do | -- | -- | Sum. 1964 | 1 | -- | -- | -- | .028 | -- | |
| | do | do | do | -- | -- | Sum. 1965 | 1 | -- | -- | -- | .139 | -- | |
| | do | do | do | -- | -- | Sum. 1966 | 1 | -- | -- | -- | .119 | -- | |
| | do | do | do | -- | -- | Sum. 1967 | 1 | -- | -- | -- | .068 | -- | |
| | do | do | do | -- | -- | Sum. 1968 | 1 | -- | -- | -- | .083 | -- | |
| | do | do | do | -- | -- | Sum. 1969 | 1 | -- | -- | -- | .143 | -- | |
| | do | do | do | -- | -- | Sum. 1970 | 1 | -- | -- | -- | .091 | -- | |
| 72-27a | Casper Creek - North Fk. | do | Fort Bragg, Calif. | 1.92 | 1.92 | Fall 1962 | -- | -- | -- | -- | -- | -- | FS |
| | do | do | do | -- | -- | Sum. 1963 | .78 | -- | -- | -- | .039 | -- | |
| | do | do | do | -- | -- | Sum. 1964 | 1 | -- | -- | -- | .043 | -- | |
| | do | do | do | -- | -- | Sum. 1965 | 1 | -- | -- | -- | .425 | -- | |
| | do | do | do | -- | -- | Sum. 1966 | 1 | -- | -- | -- | .491 | -- | |
| | do | do | do | -- | -- | Sum. 1967 | 1 | -- | -- | -- | .037 | -- | |
| | do | do | do | -- | -- | Sum. 1968 | 1 | -- | -- | -- | .033 | -- | |
| | do | do | do | -- | -- | Sum. 1969 | 1 | -- | -- | -- | .242 | -- | |
| | do | do | do | -- | -- | Sum. 1970 | 1 | -- | -- | -- | .141 | -- | |
| 72-28 | McGuire | Virgin Creek | do | .084 | .083 | 6/July 1954 | -- | 7.3 | .11 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1967 | 13 | 7.07 | .11 | *60 | .21 | 274 | |
| 72-29 | Lazy Creek | Lazy Creek | Philo, Calif. | .666 | .663 | 6/Aug. 1955 | -- | 26.94 | .038 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1967 | 12 | 19.5 | .027 | 67 | .94 | 1,372 | |
| 72-30 | Appleton | Unnamed | Healdsburg, Calif. | .166 | .161 | 6/Aug. 1950 | -- | 25.18 | .189 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Aug. 1967 | 17 | 24.24 | .162 | 59 | .37 | 475 | |
| 72-31 | M. S. Wilson | Bourns Gulch | Gualala, Calif. | .285 | .283 | 6/July 1952 | -- | 14.06 | *.04 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | July 1967 | 15 | 13.02 | *.037 | *60 | .24 | 314 | |
| 72-32 | Black Butte | Stony Creek | Orland, Calif. | 741 | 433 | July 1963 | -- | 160,009 | -- | -- | -- | -- | CE |
| | do | do | do | -- | -- | May 1966 | 3 | 157,279 | -- | *62 | 2.1 | 2,836 | |
| | do | do | do | -- | -- | Apr. 1973 | 7 | 147,754 | -- | *62 | 3.14 | 4,244 | |
| 72-33 | Highland Creek Dam | Highland Creek | Kelseyville, Calif. | 13.6 | 13.4 | Dec. 1965 | -- | 3,234.7 | .223 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Apr. 1972 | 6.3 | 3,198.9 | .221 | *70 | .42 | 640 | |
| 72-34 | Matanzas | Matanzas | Santa Rosa, Calif. | 11.6 | 11.5 | June 1964 | -- | 1,500 | .121 | -- | -- | -- | SCS |
| | do | do | do | -- | -- | Mar. 1972 | 9 | 1,411 | .114 | 90 | .86 | 1,686 | |
| | | | | | KLAMATH, ROGUE, AND UMPQUA RIVER BASINS | | | | | | | | |
| 73-1 | Emigrant Gap | Emigrant Creek | Ashland, Oreg. | 61.6 | 61.2 | Oct. 1924 | -- | 7/8,300 | -- | -- | -- | -- | BR |
| | do | do | do | -- | -- | Oct. 1951 | 27 | 7,500 | -- | -- | .214 | -- | |
| 73-2 | Coyote Creek #1 | Trib. South Umpqua R. | Tiller, Oreg. | .267 | .267 | June 1965 | -- | 8/.019 | .0001 | -- | -- | -- | FS |
| | do | do | do | -- | -- | Aug. 1966 | 1.12 | -- | -- | -- | .0052 | -- | |
| | do | do | do | -- | -- | Aug. 1967 | 1.01 | -- | -- | -- | .0005 | -- | |
| | do | do | do | -- | -- | Aug. 1968 | 1 | -- | -- | -- | .0016 | -- | |
| | do | do | do | -- | -- | July 1969 | .94 | -- | -- | -- | .0002 | -- | |
| | do | do | do | -- | -- | July 1970 | .98 | -- | -- | -- | .0019 | -- | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73-3 | Coyote Creek #2 | -do- | -do- | .264 | .264 | June 1965 | -- | | 8/.012 | .00004 | -- | -- | -- | | | FS |
| | -do- | -do- | -do- | -- | -- | Aug. 1966 | 1.11 | | -- | -- | -- | .0031 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. 1967 | 1.01 | | -- | -- | -- | .0003 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. 1968 | 1 | | -- | -- | -- | .0004 | -- | | | |
| | -do- | -do- | -do- | -- | -- | July 1969 | .94 | | -- | -- | -- | .0002 | -- | | | |
| | -do- | -do- | -do- | -- | -- | July 1970 | .98 | | -- | -- | -- | .0004 | -- | | | |
| 73-4 | Coyote Creek #3 | -do- | -do- | .192 | .192 | June 1965 | -- | | 8/.011 | .0001 | -- | -- | -- | | | FS |
| | -do- | -do- | -do- | -- | -- | Aug. 1966 | 1.11 | | -- | -- | -- | .0147 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. 1967 | 1.01 | | -- | -- | -- | .002 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. 1968 | 1 | | -- | -- | -- | .0023 | -- | | | |
| | -do- | -do- | -do- | -- | -- | July 1969 | .94 | | -- | -- | -- | .001 | -- | | | |
| | -do- | -do- | -do- | -- | -- | July 1970 | .98 | | -- | -- | -- | .0057 | -- | | | |
| 73-5 | Coyote Creek #4 | -do- | -do- | .188 | .188 | June 1965 | -- | | 8/-- | | -- | -- | -- | | | FS |
| | -do- | -do- | -do- | -- | -- | Aug. 1966 | 1.11 | | -- | -- | -- | .0094 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. 1967 | 1.01 | | -- | -- | -- | .0009 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. 1968 | 1 | | -- | -- | -- | .0027 | -- | | | |
| | -do- | -do- | -do- | -- | -- | July 1969 | .94 | | -- | -- | -- | .001 | -- | | | |
| | -do- | -do- | -do- | -- | -- | July 1970 | .98 | | -- | -- | -- | .0049 | -- | | | |

LOWER COLUMBIA RIVER BASIN AND PACIFIC COAST BASINS IN NORTHERN OREGON

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 74-1 | Condit (White Salmon) | White Salmon River | Underwood, Wash. | 337 | 337 | -- | 1913 | -- | 9/1,081 | | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | May | 1936 | 23 | 1,054 | | -- | -- | .004 | -- | | |
| 74-2 | Lake Harriet (Oak Grove) | Trib. Clackamas River | Portland, Oreg. | 126 | 126 | Aug. | 1924 | -- | 256 | .001 | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | Aug. | 1948 | 24 | 252 | .001 | -- | .0013 | -- | | | |
| 74-3 | McKay | McKay Creek | Pendleton, Oreg. | 186 | 184 | Oct. | 1926 | -- | 73,737 | -- | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | July | 1946 | 19.75 | 73,474 | -- | *40 | .07 | 61 | | | |
| 74-4 | Cottage Grove | Coast Fk. Willamette R. | Cottage Grove, OR | 104 | 102 | Oct. | 1942 | -- | 33,000 | *.165 | -- | -- | -- | | | CE |
| | -do- | -do- | -do- | -- | -- | Dec. | 1947 | 5.1 | 32,673 | *.164 | -- | .244 | -- | | | |
| 74-5a | Luther Claypool Pond | Trib. of Beaver Creek | Post, Oreg. | 1.09 | 1.09 | -- | 1946 | -- | 3.79 | -- | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. | 1951 | 5 | 3.59 | -- | *70 | .037 | 56 | | | |
| 74-6 | Paul Jaegar No. 1 Pond | Trib. John Day River | Condon, Oreg. | .625 | .624 | -- | 1943 | -- | 1.82 | -- | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. | 1951 | 8 | 1.4 | -- | *70 | .085 | 130 | | | |
| 74-7 | Paul Jaegar No. 2 Pond | Trib. of Rock Creek | -do- | .468 | .467 | -- | 1946 | -- | 3.19 | -- | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. | 1951 | 5 | 2.51 | -- | *70 | .299 | 456 | | | |
| 74-8a | Paul Jaegar No. 3 Pond | Trib. John Day River | -do- | .25 | .249 | -- | 1944 | -- | 3.04 | -- | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. | 1951 | 7 | 2.81 | -- | *70 | .12 | 183 | | | |
| 74-9 | J. M. Wilson Pond | Trib. Deschutes River | Moro, Oreg. | 1.5 | 1.5 | -- | 1946 | -- | 1.08 | -- | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. | 1951 | 5 | .97 | -- | *70 | .01 | 15 | | | |
| 74-10 | Willard Barnet Pond | Buck Creek | Kent, Oreg. | .21 | .209 | -- | 1941 | -- | 2.91 | -- | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. | 1951 | 10 | 2.41 | -- | *70 | .24 | 366 | | | |
| 74-11 | Arthur Schmidt Pond | Trib. of Buck Creek | Shaniko, Oreg. | .115 | .114 | -- | 1940 | -- | 2 | -- | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. | 1951 | 11 | 1.97 | -- | *70 | .03 | 46 | | | |
| 74-12 | Rock Cr. Improvement Co. | Trib. of White River | Tygh Valley, Oreg. | 5.6 | 5.6 | -- | 1938 | -- | 250 | -- | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | 10/Oct. | 1951 | 13 | 247 | -- | *70 | .045 | 69 | | | |
| 74-13 | Vernon Christ Pond | Five Mile Creek | Dufur, Oreg. | .089 | .088 | -- | 1941 | -- | 1.61 | -- | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. | 1951 | 10 | 1.39 | -- | *70 | .227 | 346 | | | |
| 74-14 | Milt J. Martin Pond | Mill Creek | The Dalles, Oreg. | .07 | .069 | -- | 1944 | -- | 2.72 | -- | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. | 1951 | 7 | 2.58 | -- | *70 | .29 | 442 | | | |
| 74-15 | Hunt Livestock Co. Pond | Trib. of Buck Creek | Shaniko, Oreg. | .05 | .05 | -- | 1942 | -- | 2.25 | -- | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | Oct. | 1951 | 9 | 2.15 | -- | *70 | .2 | 305 | | | |
| 74-16 | Cold Springs | Cold Springs Canyon | Cold Springs, Oreg. | 188 | 186 | Feb. | 1908 | -- | 49,709 | -- | -- | -- | -- | | | SCS |
| | -do- | -do- | -do- | -- | -- | May | 1951 | 43 | 44,668 | -- | 78 | .63 | 1,070 | | | |
| 74-17 | Dorena | Row River | Cottage Grove, OR | 265 | 262 | Oct. | 1949 | -- | 77,500 | .143 | -- | -- | -- | | | CE |
| | -do- | -do- | -do- | -- | -- | Sept | 1958 | 8.9 | 77,150 | .142 | -- | .15 | -- | | | |
| 74-18 | H. J. Andrews #1 | Trib. Blue River | Blue River, Oreg. | .37 | .37 | Aug. | 1965 | -- | 8/.12 | .0001 | -- | -- | -- | | | FS |
| | -do- | -do- | -do- | -- | -- | Aug. | 1966 | 1.05 | -- | -- | -- | .011 | -- | | | |
| | -do- | -do- | -do- | -- | -- | July | 1967 | .92 | -- | -- | -- | .214 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. | 1968 | .99 | -- | -- | -- | .243 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. | 1969 | .84 | -- | -- | -- | .332 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. | 1970 | .96 | -- | -- | -- | .095 | -- | | | |
| 74-19 | H. J. Andrews #2 | -do- | -do- | .233 | .233 | Aug. | 1965 | -- | 8/.056 | .0001 | -- | -- | -- | | | FS |
| | -do- | -do- | -do- | -- | -- | Aug. | 1966 | .98 | -- | -- | -- | .0311 | -- | | | |
| | -do- | -do- | -do- | -- | -- | July | 1967 | .92 | -- | -- | -- | 0 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. | 1968 | .99 | -- | -- | -- | .0013 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. | 1969 | 1 | -- | -- | -- | .0157 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. | 1970 | 1 | -- | -- | -- | .0155 | -- | | | |
| 74-20 | H. J. Andrews #3 | -do- | -do- | .391 | .391 | Dec. | 1965 | -- | 8/.061 | .00005 | -- | -- | -- | | | FS |
| | -do- | -do- | -do- | -- | -- | Apr. | 1966 | .31 | -- | -- | -- | -- | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. | 1967 | .97 | -- | -- | -- | .054 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. | 1968 | 1 | -- | -- | -- | .041 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. | 1969 | 1 | -- | -- | -- | .1 | -- | | | |
| | -do- | -do- | -do- | -- | -- | Aug. | 1970 | .96 | -- | -- | -- | .076 | -- | | | |

1/ Net sediment loss - treated as 0 gain.
2/ Original capacity determined by 1965 survey.
3/ Original capacity determined from 1964 survey. Capacity shown is for an elevation 4 ft. below spillway crest.
4/ Original capacity obtained during 1965 survey. Total capacity with flashboards = 9.21 ac. ft.
5/ From one disturbed and two undisturbed samples.
6/ Original capacity determined from 1967 survey.
7/ Based on original topographic survey; believed to be unreliable.
8/ Sediment measured and removed periodically.
9/ Dam was raised 5 feet in 1927.
10/ Built in 1941. Reservoir was thoroughly cleaned in 1945.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) | | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN | | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | NET | | | | | | AC.-FT. | TONS | |
| | COLUMBIA RIVER BASIN (GRAND COULEE TO UMATILLA) AND PACIFIC COAST DRAINAGE IN WASHINGTON<br>Yakima, Chelan, and Okanogan River Basins | | | | | | | | | | | | |
| 75-1 | Diablo | Skagit River | Bellingham, Wash.- | 1,100 | 1,100 | -- 1930 | -- | 89,220 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | July 1936 | 6 | 88,862 | -- | -- | .054 | -- | |
| 75-2 | High Valley Ranch #1 Pd. | Wenas Creek | Yakima, Wash. | 4.11 | 4.1 | -- 1939 | -- | 8.61 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Oct. 1951 | 12 | 7.63 | -- | *70 | .02 | 30 | |
| 75-3 | High Valley Ranch #2 Pd. | -----do | Ellensburg, Wash.- | .184 | .184 | -- 1940 | -- | .58 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Oct. 1951 | 11 | .51 | -- | *70 | .04 | 61 | |
| 75-4 | High Valley Ranch #3 Pd. | -----do | -----do | .312 | .312 | -- 1940 | -- | 1.53 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Oct. 1951 | 11 | 1.42 | -- | *70 | .03 | 46 | |
| 75-5 | Henry Clerf Pond | Rye Grass Creek | -----do | 6.47 | 6.47 | -- 1946 | -- | 2.38 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Oct. 1951 | 5 | 2.02 | -- | *70 | .01 | 15 | |
| 75-6 | Coffin Sheep Co. Pond | Naches River | Yakima, Wash. | .482 | .48 | -- 1939 | -- | 2.63 | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Oct. 1951 | 12 | 2.47 | -- | *70 | .027 | 41 | |
| 75-7 | Fox Creek | Fox | Ardenvoir, Wash.- | 1.82 | 1.82 | Sum. 1965 | -- | 1/-- | -- | -- | -- | -- | FS |
| | -----do | -----do | -----do | -- | -- | Sum. 1966 | 1 | -- | -- | 110 | .0076 | 18 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1967 | 1 | -- | -- | -- | .0076 | 18 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1968 | 1 | -- | -- | -- | .0022 | 5 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1969 | 1 | -- | -- | -- | .0076 | 18 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1970 | 1 | -- | -- | -- | 0 | 0 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1971 | 1 | -- | -- | -- | .0577 | 136 | |
| 75-8 | Burns | Burns | -----do | 2.18 | 2.18 | Sum. 1965 | -- | 1/-- | -- | -- | -- | -- | FS |
| | -----do | -----do | -----do | -- | -- | Sum. 1966 | 1 | -- | -- | -- | 0 | 0 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1967 | 1 | -- | -- | -- | 0 | 0 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1968 | 1 | -- | -- | -- | 0 | 0 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1969 | 1 | -- | -- | -- | 0 | 0 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1970 | 1 | -- | -- | -- | 0 | 0 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1971 | 1 | -- | -- | 110 | .0366 | 88 | |
| 75-9 | McCree | McCree | -----do | 1.985 | 1.985 | Sum. 1965 | -- | 1/-- | -- | -- | -- | -- | FS |
| | -----do | -----do | -----do | -- | -- | Sum. 1966 | 1 | -- | -- | -- | 0 | 0 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1967 | 1 | -- | -- | -- | 0 | 0 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1968 | 1 | -- | -- | -- | 0 | 0 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1969 | 1 | -- | -- | -- | 0 | 0 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1970 | 1 | -- | -- | -- | 0 | 0 | |
| | -----do | -----do | -----do | -- | -- | Sum. 1971 | 1 | -- | -- | 110 | .0165 | 40 | |
| 75-10 | Crabtree | Trib. White | Auburn, Wash. | .475 | .11 | May 1967 | -- | 6.92 | .01 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | June 1970 | 3 | 6.38 | .009 | *60 | 1.65 | 2,156 | |
| 75-11 | Llewellyn | Trib. Goose | Wilbur, Wash. | 1.25 | 1.25 | July 1957 | -- | 17.52 | .26 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | July 1967 | 10 | 8.42 | .13 | *80 | .73 | 1,272 | |
| 75-12 | Schwisow | No name | Kitzville, Wash.- | 4.15 | 4.15 | May 1959 | -- | 3.54 | .04 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | May 1969 | 10 | 0 | -- | *80 | .09 | 157 | |
| 75-13 | Rex Lyle | -----do | -----do | .71 | .71 | June 1959 | -- | 2.75 | .2 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | May 1969 | 10 | 1.66 | .12 | *80 | .155 | 270 | |
| 75-14 | Schoesler | -----do | -----do | .31 | .31 | June 1951 | -- | 2.24 | .37 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | May 1969 | 18 | 0 | -- | *80 | .4 | 697 | |
| 75-15 | John Landa (FU 90, BLK. 81) | -----do | Moses Lake, Wash.- | .092 | .092 | Jan. 1970 | -- | 2/-- | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Sept 1970 | 1 | -- | -- | *60 | .8 | 1,045 | |
| 75-16 | Shaffer | -----do | -----do | .356 | .356 | June 1958 | -- | 2/-- | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Nov. 1970 | 12 | -- | -- | *60 | .28 | 366 | |
| 75-17 | Sun Spiced No. 1 | -----do | -----do | .17 | .17 | -- 1969 | -- | 2/-- | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Sept 1970 | 1 | -- | -- | *60 | .73 | 954 | |
| 75-18 | Sun Spiced No. 2 | -----do | -----do | .8 | .8 | June 1969 | -- | 2/-- | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Sept 1970 | 1 | -- | -- | *60 | .52 | 680 | |
| 75-19 | Sheffels | -----do | Wilbur, Wash. | 4.77 | 4.77 | Apr. 1963 | -- | 5.1 | .02 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | May 1969 | 6 | .85 | .003 | *70 | .15 | 229 | |
| 75-20 | Telecky | Trib. Crab | Edwall, Wash. | 2.26 | 2.26 | Apr. 1957 | -- | 13.43 | .09 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | June 1964 | 7 | 0 | -- | *80 | .85 | 1,480 | |
| 75-21 | Terwilliger (FU 273, BLK. 1) | No Name | Warden, Wash. | .05 | .05 | Apr. 1968 | -- | 2/-- | -- | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Dec. 1968 | 1 | -- | -- | *60 | 1.4 | 1,629 | |
| | -----do | -----do | -----do | -- | -- | Dec. 1969 | 1 | -- | -- | *60 | 8.6 | 11,238 | |
| 75-22 | Roby | Goose Creek | Davenport, Wash.- | 4.1 | 3.85 | -- 1938 | -- | 22.91 | .1 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Apr. 1969 | 30 | 2.56 | .01 | *70 | .175 | 266 | |
| 75-23 | District No. 2 Desilting Pond | Drain | Grandview, Wash.- | .62 | .62 | -- 1969 | -- | 1.45 | .09 | -- | -- | -- | SCS |
| | -----do | -----do | -----do | -- | -- | Aug. 1973 | 5 | .98 | .06 | *60 | .15 | 198 | |

COLUMBIA RIVER BASIN (INTERNATIONAL BOUNDARY TO GRAND COULEE) AND PACIFIC COAST DRAINAGE IN WASHINGTON
Pendorielle, Spokane, Walla Walla, and Lower Snake River Basins

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76-1 | Mrs. Weiss No. 1 Pond--- | Asotin Creek---------- | Asotin, Wash.----- | .129 | .128 | -- | 1945 | -- | 1.45 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1951 | 6 | 1.23 | -- | *70 | .31 | 473 | |
| 76-2 | Mrs. Weiss No. 2 Pond--- | Trib. of Asotin Creek-- | -----do---------- | .218 | .217 | -- | 1945 | -- | 2.54 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1951 | 6 | 2.14 | -- | *70 | .31 | 473 | |
| 76-3a | Lester Reeves #1 Pond--- | Asotin Creek N. & S. Fk. | -----do---------- | .101 | .1 | -- | 1941 | -- | 1.45 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1951 | 10 | 1.18 | -- | *70 | .27 | 4,116 | |
| 76-4 | Lester Reeves #2 Pond--- | Asotin Creek---------- | -----do---------- | .125 | .125 3/ | -- | 1945 | -- | 1.21 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1951 | 6 | .69 | -- | *70 | .7 | 1,067 | |
| 76-5 | Dan Holt Pond---------- | Latah Creek---------- | Waverly, Wash.---- | .11 | .109 | -- | 1944 | -- | 2.2 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1951 | 7 | 2.11 | -- | *70 | .12 | 183 | |
| 76-6 | Roy T. Wood Pond-------- | Trib. Clearwater River- | Lewiston, Idaho--- | .014 | .013 | -- | 1946 | -- | 4.22 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1951 | 5 | 3.87 | -- | *70 | 5.38 | 8,202 | |
| 76-7 | Ed Knowlton Pond-------- | Clearwater River------- | Orofino, Idaho---- | .021 | .02 | -- | 1946 | -- | 2.54 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1951 | 5 | 2.12 | -- | *70 | 4.2 | 6,403 | |
| 76-8 | Weldon Wassem Pond------ | -----do---------- | Nez Pierce, Idaho- | .015 | .014 | -- | 1945 | -- | 4.58 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1951 | 6 | 4.4 | -- | *70 | 2.14 | 3,263 | |
| 76-9 | Henry Kortemeier Pond--- | Palouse River---------- | Potlatch, Idaho--- | .021 | .02 | -- | 1943 | -- | 2.71 | -- | -- | --- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1951 | 8 | 2.52 | -- | *70 | 1.2 | 1,830 | |
| 76-10 | George Hoidal Pond------ | -----do---------- | Harvard, Idaho---- | .043 | .042 | -- | 1941 | -- | 2.49 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1951 | 10 | 2.41 | -- | *70 | .19 | 290 | |
| 76-11a | Johanna Nelson Pond----- | -----do---------- | Deary, Idaho------ | .014 | .012 | -- | 1943 | -- | 5.16 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1951 | 8 | 4.97 | -- | *70 | 2 | 3,050 | |
| 76-12 | Ed Galloway Pond-------- | -----do---------- | -----do---------- | .014 | .014 | -- | 1944 | -- | 1.29 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1951 | 7 | 1.23 | -- | *70 | .64 | 976 | |
| 76-13 | A. K. Tweedy Pond------- | Clearwater River------- | Nez Pierce, Idaho- | .014 | .014 | -- | 1931 | -- | .8 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1951 | 20 | .62 | -- | *70 | .64 | 976 | |
| 76-14 | Walla Walla River Arm--- McNary Reservoir | Walla Walla River------ | Wallula, Wash.---- | 1,760 | 1,760 | Apr. | 1953 | -- | 9,688 | .023 | -- | -- | -- | CE |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. | 1956 | 3.61 | 7,237 | .017 | *75 | .405 | 662 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. | 1958 | 2 | 5,507 | .013 | -- | .484 | 791 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. | 1960 | 2 | 4,656 | .011 | -- | .255 | 417 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1961 | .83 | 3,569 | .008 | -- | .744 | 1,215 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1962 | 1 | 3,458 | .008 | -- | .073 | 119 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1963 | 1 | 2,918 | .007 | *75 | .307 | 501 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | | Oct. | 1964 | 1.08 | 2,874 | .007 | -- | .023 | 38 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | | July | 1965 | .75 | 1,912 | .004 | -- | 4/1.027 | 4/1,678 | |
| 76-15 | Main Fork Horse Creek--- | Horse Creek---------- | Elk City, Idaho--- | 6.51 | 6.51 | Oct. | 1965 | -- | 1/.087 | -- | -- | -- | -- | FS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1966 | 1 | -- | -- | *90 | .0024 | 5 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1967 | 1 | -- | -- | *90 | .0064 | 13 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1968 | 1 | -- | -- | *90 | .0024 | 5 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1969 | 1 | -- | -- | *90 | .0043 | 8 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1970 | 1 | -- | -- | *90 | .0048 | 9 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1971 | 1 | -- | -- | *90 | .0134 | 26 | |
| 76-16 | East Fork Horse Creek--- | East Fork Horse Creek-- | -----do---------- | 5.56 | 5.56 | Oct. | 1965 | -- | 1/.039 | -- | -- | -- | -- | FS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1966 | 1 | -- | -- | *90 | .0022 | 4 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1967 | 1 | -- | -- | *90 | .0056 | 11 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1968 | 1 | -- | -- | *90 | .0016 | 4 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1969 | 1 | -- | -- | *90 | .0029 | 6 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1970 | 1 | -- | -- | *90 | .0045 | 9 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. | 1971 | 1 | -- | -- | *90 | .007 | 14 | |
| 76-17 | Bauer Reservoir--------- | Unnamed---------- | Ritzville, Wash.-- | 1.17 | 1.17 | -- | 1948 | -- | 2.39 | .08 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | -- | 1956 | 8 | 0 | -- | 75 | .26 | 425 | |
| 76-18 | Dechenne---------- | -----do---------- | St. John, Wash.--- | 1.14 | 1.14 | Sept | 1972 | -- | 2 | .016 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Apr. | 1973 | 1 | 1.28 | .011 | 70 | .63 | 960 | |
| 76-19 | Koch---------- | Trib. Rock---------- | Fairfield, Wash.-- | .187 | .185 | Oct. | 1966 | -- | 3.88 | .08 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1971 | 5 | 3.55 | .07 | 60 | .36 | 467 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1973 | 2 | 3.36 | .07 | 60 | .51 | 672 | |
| 76-20 | Lower Willow Creek------ | Lower Willow Creek----- | Hall, Mont.------- | 73.3 | 73.03 | Sept | 1962 | -- | 4,929 | .25 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1973 | 11.5 | 4,910.29 | .25 | 70 | .0223 | 34 | |
| 76-21 | Nevada Creek----------- | Nevada Creek---------- | Helmville, Mont.-- | 145 | 140 | Oct. | 1937 | -- | 12,640 | 1.2 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept | 1973 | 36 | 12,515 | 1.18 | 49.75 | .02 | 22 | |
| 76-22 | Snyder---------- | Unnamed---------- | Ritzville, Wash.-- | .45 | .45 | -- | 1949 | -- | 5.94 | .5 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May | 1974 | 25 | .25 | .2 | 75 | .51 | 833 | |
| 76-23 | Sullivan---------- | Trib. Rock---------- | Fairfield, Wash.-- | .547 | .541 | Oct. | 1966 | -- | 7.93 | .05 | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1971 | 5 | 5.93 | .04 | 60 | .74 | 967 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July | 1973 | 2 | 3.02 | .02 | 60 | .83 | 1,084 | |

COLUMBIA RIVER BASIN IN CANADA

77-

SNAKE RIVER BASIN (FROM KING HILL TO GRANDE RONDE RIVER)

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78-1 | Orchard---------- | Indian Creek---------- | Boise, Idaho------ | 43 | 42.8 | -- | 1892 | -- | 4,737 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June | 1947 | 55 | 4,668 | -- | -- | .03 | -- | |
| 78-2a | Black Canyon---------- | Payette River---------- | Emmett, Idaho----- | 2,680 | 5/1,948 | June | 1924 | -- | 44,850 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June | 1936 | 12 | 40,813 | -- | -- | .139 | 303 | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June | 1971 | 35 | 29,822 | -- | -- | .15 | 327 | |

1/ Sediment measured and removed periodically.
2/ Desilting structure for return irrigation water.
3/ Built 1941. Reservoir was thoroughly cleaned in 1945.
4/ Includes above crest deposits within original flow lines.

5/ Weighted averages for upstream reservoirs: 1924-36, 12 years, 2,416 sq. mi.; 1936-71, 35 years, 2,089 sq. mi.; 1924-71, 47 years, 2,173 sq. mi.
* Estimated or assumed.

# SUMMARY OF
# RESERVOIR SEDIMENTATION SURVEYS MADE IN THE UNITED STATES THROUGH 1975

| DATA SHEET NUMBER | RESERVOIR | STREAM | NEAREST TOWN | DRAINAGE AREA (SQUARE MILES) TOTAL | DRAINAGE AREA (SQUARE MILES) NET | DATE OF SURVEY | PERIOD BETWEEN SURVEYS (YEARS) | STORAGE CAPACITY (ACRE-FT) | CAPACITY AVG. ANN. INFLOW RATIO (ACRE-FT. PER ACRE-FT.) | SPECIFIC WEIGHT (DRY) (LB. PER CU. FT.) | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN AC.-FT. | AVG. ANN. SEDIMENT ACCUMULATION PER SQ. MI. OF NET DR. AREA FOR PERIOD SHOWN TONS | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SNAKE RIVER BASIN (FROM KING HILL TO GRANDE RONDE RIVER) (Continued) | | | | | | | | | |
| 78-3 | Pleasant Valley--------- | Black's Creek---------- | Boise, Idaho------ | *16 | *16 | -- 1905 | -- | 7,897 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1947 | 42 | 7,855 | -- | -- | .063 | -- | |
| 78-4 | Arrowrock-Boise Project- | Boise River------------ | -----do---------- | 2,211 | 2,170 | Feb. 1915 | -- | 279,250 | .186 | -- | -- | -- | BR |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1947 | 32.6 | 271,550 | .181 | 73 | .109 | 173 | |
| 78-5 | Andy Anderson Pond------ | Wester River----------- | Cambridge, Idaho-- | .614 | .59 | -- 1905 | -- | 104.2 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1951 | 46 | 100.67 | -- | *70 | .136 | 207 | |
| 78-6 | Milton Branch Pond------ | Trib. of Wester River-- | -----do---------- | .436 | .424 | -- 1940 | -- | 44.49 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1951 | 11 | 43.24 | -- | *70 | .259 | 395 | |
| 78-7 | W. B. Winninger Pond---- | -----do---------- | -----do---------- | .543 | .538 | -- 1943 | -- | 17.58 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1951 | 8 | 16.57 | -- | *70 | .24 | 366 | |
| 78-8 | Miller Smeed Pond------- | Little Willow Creek---- | Payette, Idaho---- | .218 | .217 | -- 1945 | -- | 2.9 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1951 | 6 | 2.71 | -- | *70 | .147 | 224 | |
| 78-9 | Twin Puddles Pond------- | Trib. of Boise River--- | Boise, Idaho------ | 1.61 | 1.61 | -- 1941 | -- | 7.82 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1951 | 10 | 7.52 | -- | *70 | .02 | 30 | |
| 78-10 | Lambkin Pond------------ | -----do---------- | Mountain Home, ID- | .193 | .191 | -- 1941 | -- | 4.54 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1951 | 10 | 4.49 | -- | *70 | .05 | 75 | |
| 78-11 | Mud Springs Pond-------- | -----do---------- | -----do---------- | 1.07 | 1.06 | -- 1939 | -- | 12.18 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1951 | 12 | 11.81 | -- | *70 | .03 | 46 | |
| 78-12 | J. J. Colton Pond------- | Trib. of Powder River-- | Keating, Oreg.---- | .484 | .483 | -- 1939 | -- | 1.08 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Oct. 1951 | 12 | .84 | -- | *70 | .04 | 61 | |
| 78-13 | Hawkins Pond No. 1------ | Trib. of Clover Creek-- | Westfall, Oreg.--- | .12 | -- | -- 1952 | -- | 1.56 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1956 | 4 | 1.52 | -- | -- | .079 | -- | |
| 78-14 | Hawkins Pond No. 2------ | -----do---------- | -----do---------- | .27 | -- | -- 1952 | -- | 6.94 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1956 | 4 | 6.76 | -- | -- | .17 | -- | |
| 78-15 | Wheaton----------------- | Wheaton Creek---------- | -----do---------- | 14 | -- | -- 1948 | -- | 52.27 | -- | -- | -- | -- | SCS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | May 1956 | 8 | 31.97 | -- | -- | .18 | -- | |
| 78-16 | K-1 Creek Sediment Dam-- | Trib. Silver Creek----- | Cascade, Idaho---- | .098 | .098 | Aug. 1965 | -- | 1/.008 | -- | -- | -- | -- | FS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1966 | .8 | -- | -- | -- | .0002 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1967 | .98 | -- | -- | -- | .0007 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1968 | 1.09 | -- | -- | -- | .0047 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1968 | .35 | -- | -- | -- | .0003 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1969 | .6 | -- | -- | -- | .0409 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1969 | .21 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1970 | .84 | -- | -- | -- | .0194 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1970 | .21 | -- | -- | -- | 0 | -- | |
| 78-17 | Control Cr. Sediment Dam | -----do---------- | -----do---------- | .775 | .775 | Aug. 1965 | -- | 1/.013 | -- | -- | -- | -- | FS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1966 | .79 | -- | -- | -- | .0002 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1967 | 1 | -- | -- | -- | .0014 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1968 | 1.07 | -- | -- | -- | .0006 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1968 | .36 | -- | -- | -- | .0011 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1969 | .62 | -- | -- | -- | .0079 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1969 | .17 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1970 | .83 | -- | -- | -- | .0028 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1970 | .21 | -- | -- | -- | 0 | -- | |
| 78-18 | Cabin Creek Sediment Dam | -----do---------- | -----do---------- | .4 | .4 | July 1965 | -- | 1/.046 | -- | -- | -- | -- | FS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1966 | .87 | -- | -- | -- | .0002 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1967 | .99 | -- | -- | -- | .0008 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1968 | 1.07 | -- | -- | -- | .0028 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1968 | .37 | -- | -- | -- | .0081 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1969 | .6 | -- | -- | -- | .0416 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1969 | .19 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1970 | .82 | -- | -- | -- | .0162 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1970 | .21 | -- | -- | -- | 0 | -- | |
| 78-19 | Ditch Creek Sediment Dam | -----do---------- | -----do---------- | .41 | .41 | Sept 1965 | -- | 1/.023 | -- | -- | -- | -- | FS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1966 | .75 | -- | -- | -- | .0006 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1967 | 1 | -- | -- | -- | .0107 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | July 1968 | 1.07 | -- | -- | -- | .0039 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Nov. 1968 | .36 | -- | -- | -- | .002 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1969 | .56 | -- | -- | -- | .067 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Aug. 1969 | .23 | -- | -- | -- | 0 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1970 | .82 | -- | -- | -- | .0214 | -- | |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | Sept 1970 | .21 | -- | -- | -- | 0 | -- | |
| 78-20 | "C" Creek Sediment Dam-- | -----do---------- | -----do---------- | .75 | .75 | Aug. 1965 | -- | 1/.0207 | -- | -- | -- | -- | FS |
| | -----do---------- | -----do---------- | -----do---------- | -- | -- | June 1966 | .8 | -- | -- | -- | .0103 | -- | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1967 | .98 | -- | -- | -- | .007 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1968 | 1.08 | -- | -- | -- | .00011 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. 1968 | .3 | -- | -- | -- | .0177 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1969 | .6 | -- | -- | -- | .04 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. 1969 | .24 | -- | -- | -- | 0 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1970 | .82 | -- | -- | -- | .0276 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1970 | .21 | -- | -- | -- | 0 | -- | | | | | | | |
| 78-21 | "D" Creek Sediment Dam-- | -----do----- | -----do----- | .47 | .47 | July 1965 | -- | 1/.017 | -- | -- | -- | -- | PS | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1966 | .85 | -- | -- | -- | .0017 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1967 | .99 | -- | -- | -- | .0187 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1968 | 1.09 | -- | -- | -- | .002 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1968 | .35 | -- | -- | -- | .0036 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1969 | .57 | -- | -- | -- | .0194 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. 1969 | .22 | -- | -- | -- | 0 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1970 | .82 | -- | -- | -- | .0015 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1970 | .21 | -- | -- | -- | 0 | -- | | | | | | | |
| 78-22 | Eggers Cr. Sediment Dam- | -----do----- | -----do----- | .5 | .5 | Aug. 1965 | -- | 1/.013 | -- | -- | -- | -- | PS | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1966 | .81 | -- | -- | -- | .0012 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1967 | 1.01 | -- | -- | -- | .0054 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | July 1968 | 1.08 | -- | -- | -- | .0013 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. 1968 | .35 | -- | -- | -- | .0012 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1969 | .58 | -- | -- | -- | 2/0 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. 1969 | .21 | -- | -- | -- | 0 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June 1970 | .82 | -- | -- | -- | .013 | -- | | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept 1970 | .21 | -- | -- | -- | 0 | -- | | | | | | | |
| | | | | | | SNAKE RIVER BASIN (ABOVE KINGS HILL) AND SALMON RIVER BASIN | | | | | | | | | | | | | |
| 79-1 | Rattlesnake Butte Pond-- | Big Wood River--------- | Gooding, Idaho---- | 4.81 | 4.8 | -- | 1943 | -- | 25.56 | -- | -- | -- | -- | SCS | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1951 | 8 | 23.89 | -- | *70 | .04 | 61 | | | | | | |
| 79-2 | Salmon Falls---------- | Salmon Falls Creek----- | Rogerson, Idaho--- | 1,560 | 1,555 | -- | 1910 | -- | 229,650 | -- | -- | -- | -- | SCS | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1955 | 45 | 227,282 | -- | *50 | .034 | 37 | | | | | | |
| 79-3 | Pioneer---------- | Clover Creek---------- | Glenns Ferry, ID-- | 183 | 183 | -- | 1904 | -- | 1,264 | -- | -- | -- | -- | SCS | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | *34 | 50+ | 898 | -- | -- | .04 | -- | | | | | | |
| 79-4 | Tailholt "A" Cr. Sediment Dam | Trib. S. Fork Salmon--- | Yellow Pine, Idaho | .845 | .84 | Aug. 1967 | -- | 1/.0164 | -- | -- | -- | -- | PS | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1968 | .74 | -- | -- | -- | .001 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1968 | .34 | -- | -- | -- | .0002 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1969 | .63 | -- | -- | -- | .0199 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1969 | .34 | -- | -- | -- | .0017 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1970 | .72 | -- | -- | -- | .017 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1970 | .23 | -- | -- | -- | 0 | -- | | | | | | |
| 79-5 | Tailholt "B" Cr. Sediment Dam | -----do----- | -----do----- | .61 | .61 | Aug. 1967 | -- | 1/.012 | -- | -- | -- | -- | PS | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1968 | .74 | -- | -- | -- | .0015 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1968 | .4 | -- | -- | -- | .0086 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1969 | .64 | -- | -- | -- | .0156 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1969 | .34 | -- | -- | -- | .0067 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1970 | .72 | -- | -- | -- | .0159 | -- | | | | | | |
| 79-6 | Tailholt "C" Sediment D. | -----do----- | -----do----- | .556 | .548 | Aug. 1967 | -- | 1/.015 | -- | -- | -- | -- | PS | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1968 | .74 | -- | -- | -- | .0039 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1968 | .54 | -- | -- | -- | .001 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1969 | .62 | -- | -- | -- | .0273 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1969 | .27 | -- | -- | -- | .0009 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1970 | .72 | -- | -- | -- | .0134 | -- | | | | | | |
| 79-7 | Tailholt Main Sediment D. | -----do----- | -----do----- | 2.54 | 3/2.5 | -- | -- | -- | 1/.0552 | -- | -- | -- | -- | PS | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1966 | .64 | -- | -- | -- | .0066 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1966 | .29 | -- | -- | -- | .0019 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1967 | .68 | -- | -- | -- | .012 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1967 | .33 | -- | -- | -- | .0148 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1968 | .66 | -- | -- | -- | .0081 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1968 | .4 | -- | -- | -- | .0002 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1969 | .64 | -- | -- | -- | .0191 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1969 | .35 | -- | -- | -- | .0037 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1970 | .6 | -- | -- | -- | .0187 | -- | | | | | | |
| 79-8 | Circle End Cr. Sediment Dam | -----do----- | -----do----- | 1.452 | 1.452 | -- | -- | -- | 1/.013 | -- | -- | -- | -- | PS | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. | 1966 | .58 | -- | -- | -- | .0169 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1966 | .42 | -- | -- | -- | .0016 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1967 | .65 | -- | -- | -- | .0159 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1967 | .35 | -- | -- | -- | .0163 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | May | 1968 | .65 | -- | -- | -- | .0052 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Oct. | 1968 | .4 | -- | -- | -- | .0086 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Apr. | 1969 | .54 | -- | -- | -- | .0144 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Sept | 1969 | .44 | -- | -- | -- | .0014 | -- | | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | June | 1970 | .7 | -- | -- | -- | .0024 | -- | | | | | | |
| 79-9 | Indian Fork---------- | Indian Fork---------- | Ririe, Idaho------ | 1.6 | 1.6 | -- | 1925* | -- | 3.5 | *.007 | -- | -- | -- | SCS | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | *-- | Sept | 1966 | 41 | 1.88 | *.004 | 95.3 | .025 | 52 | | | | | | |
| 79-10 | Rock Creek---------- | Rock Creek---------- | Ammon, Idaho------ | 6.76 | 6.76 | -- | 1946* | -- | 12.6 | *.008 | -- | -- | -- | SCS | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Aug. | 1966 | 20 | 8.96 | *.006 | 79.8 | .027 | 45 | | | | | | |
| | | | | | | PUERTO RICO | | | | | | | | | | | | | |
| 80-1 | Caonillas---------- | Caonillas River-------- | Utuado, Puerto Rico | 4/48.9 | 47.9 | June | 1948 | -- | 5/50,149 | .566 | -- | -- | -- | SCS | | | | | |
| | -----do----- | -----do----- | -----do----- | -- | -- | Nov. | 1952 | 4.3 | 49,883 | .563 | 38.1 | 1.29 | 1,070 | | | | | | |

1/ Pond used to take bedload samples and organic matter.
2/ All values lost due to incorrect survey.
3/ Total drainage for this dam includes drainage for Tailholt A, B, and C Creeks after 8-22-67.

4/ Caonillas extension project increased the drainage area to 85.5 sq. mi.; put into operation Oct. 1952.
5/ Determined by 1952 survey.
* Estimated or assumed.

# RESERVOIR SEDIMENT DATA SUMMARY

CONCHAS RESERVOIR
NAME OF RESERVOIR

47-1b
DATA SHEET NO.

## DAM

| | | |
|---|---|---|
| 1. OWNER Corps of Engineers | 2. STREAM Canadian and Conchas | 3. STATE New Mexico |
| 4. SEC. 33 TWP. 14N RANGE 26E | 5. NEAREST P O. Conchas Dam | 6. COUNTY San Miguel |
| 7. LAT 35° 24′ 10″ LONG 104° 11′ 25″ | 8. TOP OF DAM ELEVATION 4240 | 9. SPILLWAY CREST ELEV. 4201 1/ |

## RESERVOIR

| 10. STORAGE ALLOCATION | 11. ELEVATION TOP OF POOL | 12. ORIGINAL SURFACE AREA, ACRES | 13. ORIGINAL CAPACITY, ACRE-FEET | 14. GROSS STORAGE, ACRE-FEET | 15. DATE STORAGE BEGAN |
|---|---|---|---|---|---|
| a. FLOOD CONTROL | 4,218 | 13,715 | 201,834 | 601,112 | 1 Jan. 1939 |
| b. MULTIPLE USE | | | | | |
| c. POWER | | | | | 16. DATE NORMAL OPER. BEGAN |
| d. WATER SUPPLY | | | | | |
| e. IRRIGATION | | | | | |
| f. CONSERVATION | 4,201 | 10,073 | 296,412 | 399,278 | Jan. 1939 |
| g. INACTIVE | 4,155 | 3,520 | 102,866 | 102,866 | |

## WATERSHED

| | | | |
|---|---|---|---|
| 17. LENGTH OF RESERVOIR Canadian 23 2/ MILES | | AV. WIDTH OF RESERVOIR 4200 Contour 0.75 | MILES |
| 18. TOTAL DRAINAGE AREA 7,409 SQ. MI. | | 22. MEAN ANNUAL PRECIPITATION 15.2 3/ | INCHES |
| 19. NET SEDIMENT CONTRIBUTING AREA 6,976 SQ. MI. | | 23. MEAN ANNUAL RUNOFF 0.4864 4/ (65.6) | INCHES |
| 20. LENGTH 100 MILES | AV. WIDTH 73 MILES | 24. MEAN ANNUAL RUNOFF 192,200 (65.6) | AC.-F T. |
| 21. MAX. ELEV. 13,000 | MIN. ELEV. 4,074 | 25. ANNUAL TEMP MEAN 49° RANGE 20-75 3/ | |

## SURVEY DATA

| 26. DATE OF SURVEY 5/ | 27. PERIOD YEARS | 28. ACCL. YEARS | 29. TYPE OF SURVEY | 30. NO. OF RANGES OR CONTOUR INT. | 31. SURFACE AREA, ACRES | 32. CAPACITY, ACRE-FEET | 33. C/I RATIO, AC.-FT. PER AC.-FT. |
|---|---|---|---|---|---|---|---|
| Jan. 1939 | | | Contour | 10 feet | 13,715 | 601,112 | 3.13 |
| May 1940 | 1.4 | 1.4 | Range | 14 ranges | | 599,712 | 3.12 |
| June 1942 | 2.1 | 3.4 | Range | 24 ranges | | 585,112 | 3.04 |
| Nov. 1942 | .4 | 3.8 | Range | 28 ranges | | 581,112 | 3.02 |
| Oct. 1944 | 1.9 | 5.7 | Contour | 10 feet | 13,349 | 576,756 | 3.00 |
| Feb. 1949 | 4.3 | 10.1 | Contour | 10 feet | 13,552 | 566,163 | 2.95 |
| Oct. 1963 | 14.7 | 24.83 | Range (D) | 45 ranges | 13,677 | 550,799 | 2.87 |
| Oct. 1970 | 6.92 | 31.75 | Contour | 5 feet | 13,664 | 528,951 | 2.75 |

| 26. DATE OF SURVEY 5/ | 34. PERIOD ANNUAL PRECIPITATION | 35. PERIOD WATER INFLOW, ACRE-FEET | | | 36. WATER INFL. TO DATE, AC.-FT. | |
|---|---|---|---|---|---|---|
| | | a. MEAN ANNUAL | b. MAX. ANNUAL | c. PERIOD TOTAL | a. MEAN ANNUAL | b. TOTAL TO DATE |
| | Inches | | | | | |
| May 1940 | 14.26 | 72,700 | | 101,780 | 72,700 | 101,780 |
| June 1942 | 22.40 | 859,780 | 1,059,699 | 1,805,540 | 560,980 | 1,907,320 |
| Nov. 1942 | 12.50 | 1,079,980 | | 431,990 | 615,607 | 2,339,310 |
| Oct. 1944 | 14.32 | 143,750 | 1,168,350 | 273,130 | 458,320 | 2,612,440 |
| Feb. 1949 | 13.68 | 120,500 | 158,858 | 518,140 | 309,960 | 3,130,580 |
| Oct. 1963 | 13.01 | 144,340 | 336,514 | 2,121,850 | 211,790 | 5,252,430 |
| Oct. 1970 | 12.04 | 157,100 | 394,190 | 1,087,100 | 199,670 | 6,339,530 |

| 26. DATE OF SURVEY 5/ | 37. PERIOD CAPACITY LOSS, ACRE-FEET | | | 38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET | | |
|---|---|---|---|---|---|---|
| | a. PERIOD TOTAL | b. AV. ANNUAL | c. PER SQ. MI. YEAR | a. TOTAL TO DATE | b. AV. ANNUAL | c. PER SQ. MI. YEAR |
| May 1940 | 1,400 | | | 1,400 | 1,000 | 0.143 |
| June 1942 | 14,600 | 6,952 | 0.996 | 16,000 | 4,710 | .675 |
| Nov. 1942 | 4,000 | | | 20,000 | 5,260 | .754 |
| Oct. 1944 | 4,356 | 2,290 | .328 | 24,356 | 4,270 | .612 |
| Feb. 1949 | 10,593 | 2,460 | .353 | 34,949 | 3,460 | .496 |
| Oct. 1963 | 15,364 | 1,045 | .150 | 50,313 | 2,030 | .291 |
| Oct. 1970 | 21,848 | 3,157 | .453 | 72,161 | 2,273 | .326 |

| 26. DATE OF SURVEY 5/ | 39. AV. DRY WGT., LBS. PER CU. FT. | 40. SED. DEP., TONS PER SQ. MI.-YR. | | 41. STORAGE LOSS, PCT. | | 42. SED. INFLOW, PPM | |
|---|---|---|---|---|---|---|---|
| | | a. PERIOD | b. TOTAL TO DATE | a. AV. ANN. | b. TOT. TO DATE | a. PERIOD | b. TOT. TO DATE |
| May 1940 | 75.7* | | 236 | 0.17 | 0.23 | 16,687 | 16,687 |
| June 1942 | 75.7 | 1,643 | 1,113 | .78 | 2.66 | 9,810 | 10,177 |
| Nov. 1942 | 75.7 | | 1,243 | .88 | 3.33 | 11,233 | 10,372 |
| Oct. 1944 | 75.7 | 541 | 1,009 | .71 | 4.05 | 19,348 | 11,310 |
| Feb. 1949 | 75.7 | 581 | 818 | .58 | 5.81 | 24,802 | 13,543 |
| Oct. 1963 | 75.7 | 247 | 479 | .34 | 8.37 | 8,748 | 11,621 |
| Oct. 1970 | 75.7 | 746 | 537 | .38 | 12.00 | 24,376 | 13,808 |

*Estimated

| 26. DATE OF SURVEY | 43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 178-128 | 128-108 | 108-88 | 88-68 | 68-58 | 58-48 | 48-38 | 38-28 | 28-Crest | Crest-17 | 17-29 |
| | PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION | | | | | | | | | | |
| May 1940 | | | | | | | | | | | |
| June 1942 | | | | | | | | | | | |
| Nov. 1942 | | | | | | | | | | | |
| Oct. 1944 | 16 | 4 | 7 | 10 | 6 | 10 | 15 | 16 | 16 | | |
| Feb. 1949 | 13 | 4 | 5 | 9 | 5 | 7 | 11 | 14 | 14 | 16 | 2 |
| Oct. 1963 | 9 | 9 | 8 | 15 | 9 | 11 | 13 | 11 | 8 | 7 | |
| Oct. 1970 | 3 | 7 | 12 | 10 | 5 | 6 | 8 | 11 | 33 | 4 | 1 |

| 26. DATE OF SURVEY | 44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 | -105 | -110 | -115 | -120 | -125 |
| | PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION | | | | | | | | | | | | | | |
| May 1940 6/ | 114 | 23 | 3 | -26 | -16 | 2 | | | | S. Canadian Arm | | | | | |
| | 30 | 22 | 7 | 10 | 18 | 18 | | | | Conchas Arm | | | | | |
| June 1942 | 6 | 3 | 4 | 4 | 22 | 14 | 27 | 18 | 2 | S. Canadian Arm | | | | | |
| | 20 | 21 | -12 | 12 | 13 | 27 | 5 | 14 | | Conchas Arm | | | | | |
| Nov. 1942 | 6 | 2 | 5 | 8 | 16 | 16 | 29 | 16 | 2 | S. Canadian Arm | | | | | |
| | -1 | 0 | 1 | 2 | 19 | 57 | 5 | 14 | 3 | Conchas Arm | | | | | |

45. RANGE IN RESERVOIR OPERATION

| WATER YEAR | MAX. ELEV. | MIN. ELEV. | INFLOW, AC.-FT. | WATER YEAR | MAX. ELEV. | MIN. ELEV. | INFLOW, AC.-FT. |
|---|---|---|---|---|---|---|---|
| 1947 | 4,202.46 | 4,199.00 | 129,330 | 1959 | 4,200.38 | 4,193.40 | 112,620 |
| 1948 | 4,201.46 | 4,195.63 | 154,700 | 1960 | 4,199.37 | 4,192.68 | 131,520 |
| 1949 | 4,200.97 | 4,192.50 | 153,260 | 1961 | 4,201.75 | 4,196.55 | 216,440 |
| 1950 | 4,198.59 | 4,185.85 | 131,410 | 1962 | 4,201.13 | 4,193.02 | 119,280 |
| 1951 | 4,194.68 | 4,184.24 | 106,770 | 1963 | 4,193.01 | 4,176.16 | 76,510 |
| 1952 | 4,184.15 | 4,168.23 | 125,930 | 1964 | 4,178.58 | 4,156.05 | 31,060 |
| 1953 | 4,176.16 | 4,162.07 | 107,950 | 1965 | 4,201.83 | 4,157.61 | 394,190 |
| 1954 | 4,173.22 | 4,155.80 | 32,030 | 1966 | 4,200.77 | 4,192.25 | 108,660 |
| 1955 | 4,190.37 | 4,157.10 | 297,760 | 1967 | 4,195.35 | 4,185.79 | 142,740 |
| 1956 | 4,189.98 | 4,173.19 | 51,880 | 1968 | 4,193.13 | 4,183.51 | 113,130 |
| 1957 | 4,175.40 | 4,163.80 | 129,930 | 1969 | 4,193.65 | 4,180.65 | 192,830 |
| 1958 | 4,201.82 | 4,173.97 | 336,510 | 1970 | 4,197.55 | 4,189.30 | 105,630 |

46. ELEVATION-AREA-CAPACITY DATA

| ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY |
|---|---|---|---|---|---|---|---|---|
| 4,230 | 16,380 | 709,119 | 4,180 | 5,513 | 173,912 | 4,110 | 311 | 1,299 |
| 4,220 | 14,110 | 556,724 | 4,170 | 4,323 | 125,102 | 4,100 | 2 | 24 |
| 4,218 | 13,664 | 528,951 | 4,160 | 3,394 | 86,519 | 4,090 | 1 | 9 |
| 4,210 | 11,845 | 426,866 | 4,150 | 2,642 | 56,348 | 4,080 | | 2 |
| 4,201 | 9,692 | 330,124 | 4,140 | 1,959 | 33,495 | 4,070 | 0 | 0 |
| 4,200 | 9,463 | 320,546 | 4,130 | 1,323 | 17,170 | 4,060 | 0 | 0 |
| 4,190 | 7,290 | 237,119 | 4,120 | 797 | 6,690 | | | |

47. REMARKS AND REFERENCES

1/ Emergency Spillway Crest at 4218.
2/ Conchas 13.8 miles.
3/ From climatic Atlas dated June 1968.
4/ This figure affected by water taken out above reservoir for irrigation.
5/ Totals computed to end of each month shown.
6/ Only dates computed.

48. AGENCY MAKING SURVEY Albuquerque District Corps of Engineers

49. AGENCY SUPPLYING DATA Corps of Engineers

50. DATE May 1970

# RESERVOIR SEDIMENT DATA SUMMARY

NAME OF RESERVOIR

DATA SHEET NO.

## DAM

| 1. OWNER | 2. STREAM | 3. STATE |
|---|---|---|
| 4. SEC. TWP. RANGE | 5. NEAREST P. O. | 6. COUNTY |
| 7. LAT. ° ′ ″ LONG. ° ′ ″ | 8. TOP OF DAM ELEVATION | 9. SPILLWAY CREST ELEV. |

## RESERVOIR

| 10. STORAGE ALLOCATION | 11. ELEVATION TOP OF POOL | 12. ORIGINAL SURFACE AREA, ACRES | 13. ORIGINAL CAPACITY, ACRE-FEET | 14. GROSS STORAGE, ACRE-FEET | 15. DATE STORAGE BEGAN |
|---|---|---|---|---|---|
| a. FLOOD CONTROL | | | | | |
| b. MULTIPLE USE | | | | | |
| c. POWER | | | | | |
| d. WATER SUPPLY | | | | | 16. DATE NORMAL OPER. BEGAN |
| e. IRRIGATION | | | | | |
| f. CONSERVATION | | | | | |
| g. INACTIVE | | | | | |

## WATERSHED

| | | | |
|---|---|---|---|
| 17. LENGTH OF RESERVOIR | MILES | AV. WIDTH OF RESERVOIR | MILES |
| 18. TOTAL DRAINAGE AREA | SQ. MI. | 22. MEAN ANNUAL PRECIPITATION | INCHES |
| 19. NET SEDIMENT CONTRIBUTING AREA | SQ. MI. | 23. MEAN ANNUAL RUNOFF | INCHES |
| 20. LENGTH MILES | AV. WIDTH MILES | 24. MEAN ANNUAL RUNOFF | AC.-F T. |
| 21. MAX. ELEV. | MIN. ELEV. | 25. ANNUAL TEMP: MEAN | RANGE |

## SURVEY DATA

| 26. DATE OF SURVEY | 27. PERIOD YEARS | 28. ACCL. YEARS | 29. TYPE OF SURVEY | 30. NO. OF RANGES OR CONTOUR INT. | 31. SURFACE AREA, ACRES | 32. CAPACITY, ACRE-FEET | 33. C/I. RATIO, AC.-FT. PER AC.-FT. |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| 26. DATE OF SURVEY | 34. PERIOD ANNUAL PRECIPITATION | 35. PERIOD WATER INFLOW, ACRE-FEET | | | 36. WATER INFL. TO DATE, AC.-FT. | |
|---|---|---|---|---|---|---|
| | | a. MEAN ANNUAL | b. MAX. ANNUAL | c. PERIOD TOTAL | a. MEAN ANNUAL | b. TOTAL TO DATE |
| | | | | | | |

| 26. DATE OF SURVEY | 37. PERIOD CAPACITY LOSS, ACRE-FEET | | | 38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET | | |
|---|---|---|---|---|---|---|
| | a. PERIOD TOTAL | b. AV. ANNUAL | c. PER SQ. MI.-YEAR | a. TOTAL TO DATE | b. AV. ANNUAL | c. PER SQ. MI.-YEAR |
| | | | | | | |

| 26. DATE OF SURVEY | 39. AV. DRY WGT., LBS. PER CU. FT. | 40. SED. DEP., TONS PER SQ. MI.-YR. | | 41. STORAGE LOSS, PCT. | | 42. SED. INFLOW, PPM | |
|---|---|---|---|---|---|---|---|
| | | a. PERIOD | b. TOTAL TO DATE | a. AV. ANN. | b. TOT. TO DATE | a. PERIOD | b. TOT. TO DATE |
| | | | | | | | |

| 26. DATE OF SURVEY | 43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| | PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION | | | | | | | | | | | |
| | | | | | | | | | | | | |

| 26. DATE OF SURVEY | 44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 | -105 | -110 | -115 | -120 | -125 |
| | PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

45. RANGE IN RESERVOIR OPERATION

| WATER YEAR | MAX. ELEV. | MIN. ELEV. | INFLOW, AC.-FT. | WATER YEAR | MAX. ELEV. | MIN. ELEV. | INFLOW, AC.-FT. |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

46. ELEVATION-AREA-CAPACITY DATA

| ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

47. REMARKS AND REFERENCES

48. AGENCY MAKING SURVEY

49. AGENCY SUPPLYING DATA

50. DATE _____

*U.S. GOVERNMENT PRINTING OFFICE: 1978 720-304/3503 1-3

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