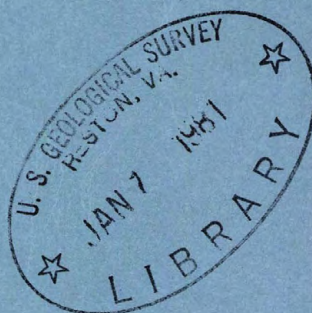


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Water Resources Data for Utah

Water Year 1975



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT UT-75-1

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

BIBLIOGRAPHIC DATA SHEET	1. Report No. USGS/WRD/HD-76/028	2.	3. Recipient's Accession No.
4. Title and Subtitle Water Resources Data for Utah, 1975		5. Report Date July 1976	
		6.	
7. Author(s)		8. Performing Organization Rept. No. USGS-WDR-UT-75-1	
9. Performing Organization Name and Address U.S. Geological Survey, Water Resources Division 8002 Federal Building, 125 South State Street Salt Lake City, Utah 84138		10. Project/Task/Work Unit No.	
		11. Contract/Grant No.	
12. Sponsoring Organization Name and Address U.S. Geological Survey, Water Resources Division 8002 Federal Building, 125 South State Street Salt Lake City, Utah 84138		13. Type of Report & Period Covered Annual - Oct. 1, 1974 to Sept. 30, 1975	
		14.	
15. Supplementary Notes Prepared in cooperation with the State of Utah and with other agencies.			
16. Abstracts Water resources data for the 1975 water year for Utah consists of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and water levels and water quality in wells and springs. This report contains discharge records for 238 gaging stations; stage or contents for 20 lakes and reservoirs; water quality for 41 surface-water stations and 363 wells; and water levels for 159 observation wells. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Utah.			
17. Key Words and Document Analysis. 17a. Descriptors *Utah, *Hydrologic data, *Surface water, *Ground water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses.			
17b. Identifiers/Open-Ended Terms			
17c. COSATI Field/Group			
18. Availability Statement No restriction on distribution. This report may be purchased from: National Technical Information Service Springfield, VA 22161		19. Security Class (This Report) UNCLASSIFIED	21. No. of Pages 509
		20. Security Class (This Page) UNCLASSIFIED	22. Price

Water Resources Data for Utah

Water Year 1975



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**Prepared in cooperation with the State of Utah
and with other agencies**

UNITED STATES DEPARTMENT OF THE INTERIOR

THOMAS S. KLEPPE, Secretary

GEOLOGICAL SURVEY

V. E. McKelvey, Director

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

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1976

Preface

This report was prepared by the U.S. Geological Survey in cooperation with the State of Utah and with other agencies by personnel of the Utah district of the Water Resources Division under the supervision of Ted Arnow, District Chief, and Alfred Clebsch, Jr., Regional Hydrologist, Central Region.

This report is one of a series issued State by State under the general direction of J. S. Cragwall, Jr., Chief Hydrologist, and G. W. Whetstone, Assistant Chief Hydrologist for Scientific Publications and Data Management.

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The classification of gaging stations in the preceding list is indicated by letters in parentheses following the station name. These symbols are: (B) Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin. (C) Current-purpose station is one that is used to collect streamflow data at many sites for uses such as day-to-day or week-to-week decisions on water management, assessment of water availability, the management of water quality, the forecast of water hazards, and the surveillance necessary to comply with legal requirements. (H) A hydrologic station is to meet the objective of defining regional streamflow characteristics. (R) A regulated stream station is required for systems analysis of a regulated stream to meet the objective of defining regulated flow.

WATER-QUALITY STATIONS, IN DOWNSTREAM ORDER,
FOR WHICH RECORDS ARE PUBLISHED

XV

*(Letters after station name designate type of data: (c) chemical,
(m) microbiological, (t) water temperatures, and (s) sediment)*

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Jordan River at Cudahy Lane, near Salt Lake City (cm).....	408
Goggin Drain near Magna (c).....	410
Lee Creek near Magna (c).....	411
Kennecott Drain near Magna (c).....	412
<u>TRIBUTARIES BETWEEN GREAT SALT LAKE DESERT AND BEAR RIVER</u>	
Bar M Spring at Locomotive Springs, near Snowville (c).....	413
Off Spring at Locomotive Springs, near Snowville (c).....	415
Sparks Spring at Locomotive Springs, near Snowville (c).....	417
<u>SEVIER LAKE BASIN</u>	
Sevier River below Piute Dam, near Marysvale (c).....	419
Sevier River near Lynndyl (cmt).....	420
<u>BEAVER RIVER BASIN</u>	
Beaver River at Adamsville (cm).....	423
Analyses of samples collected at miscellaneous sites (c).....	425
Analyses of ground waters in Utah (c).....	462

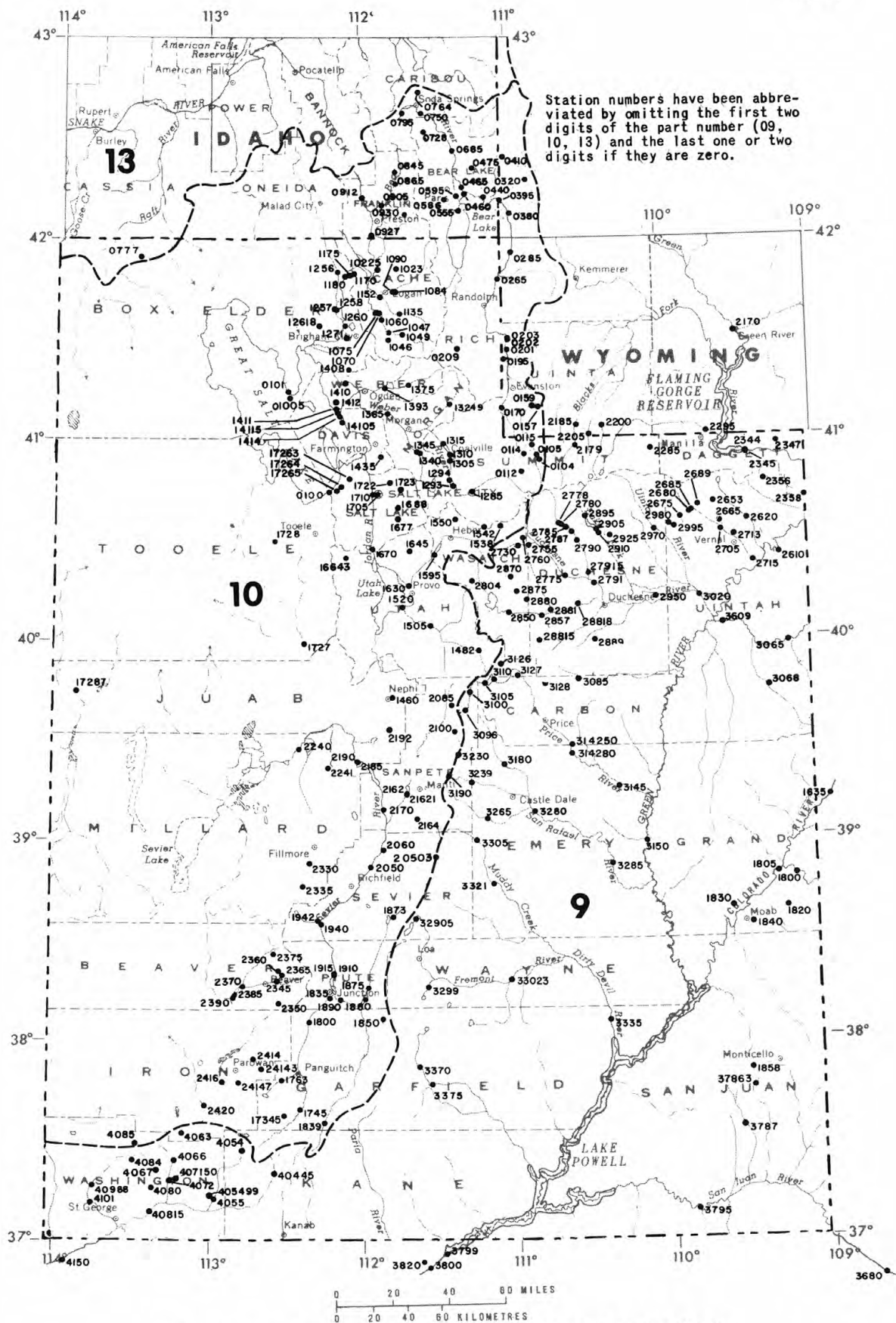


Figure 1.—Locations of gaging stations in Utah.

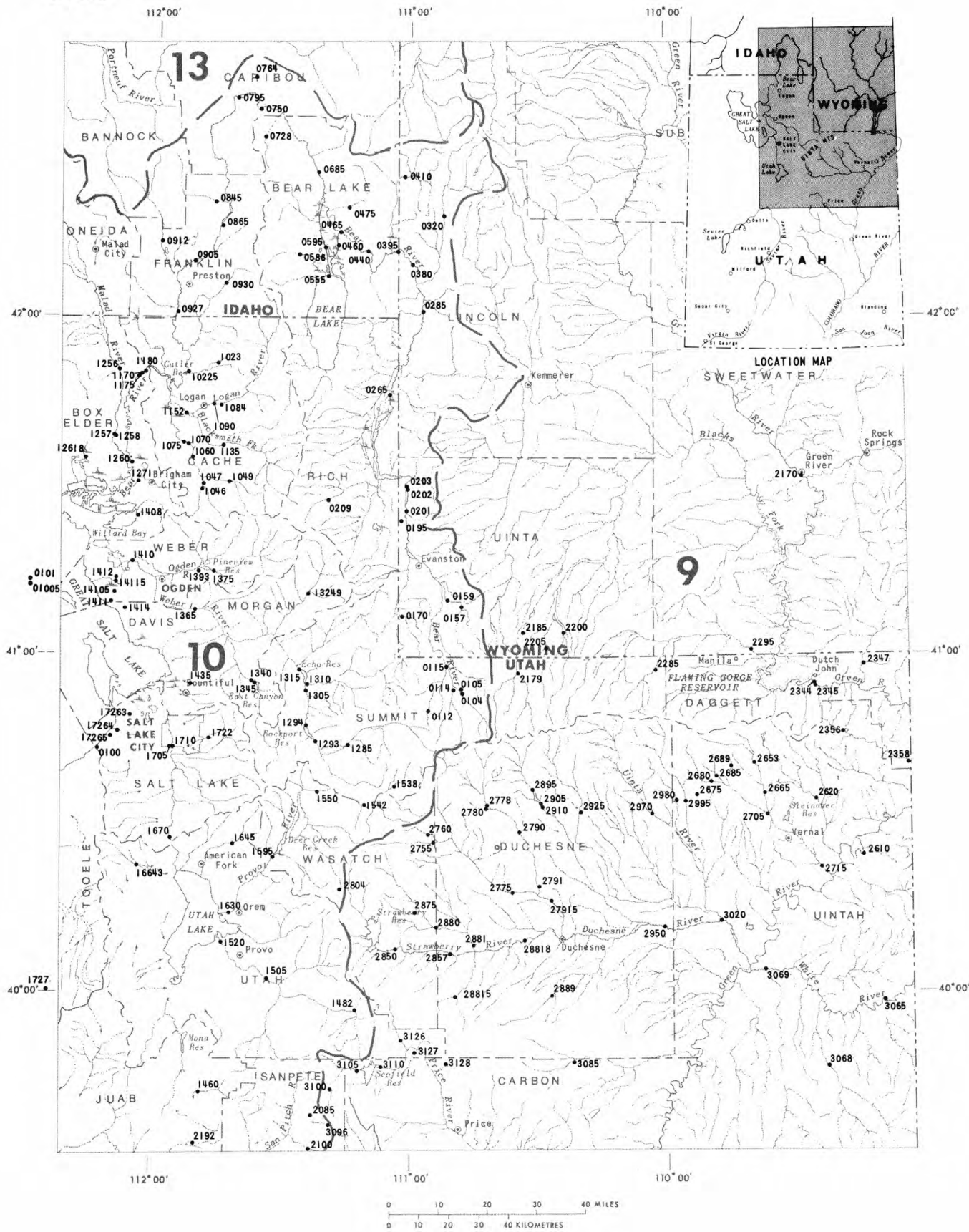


Figure 1.—Continued.

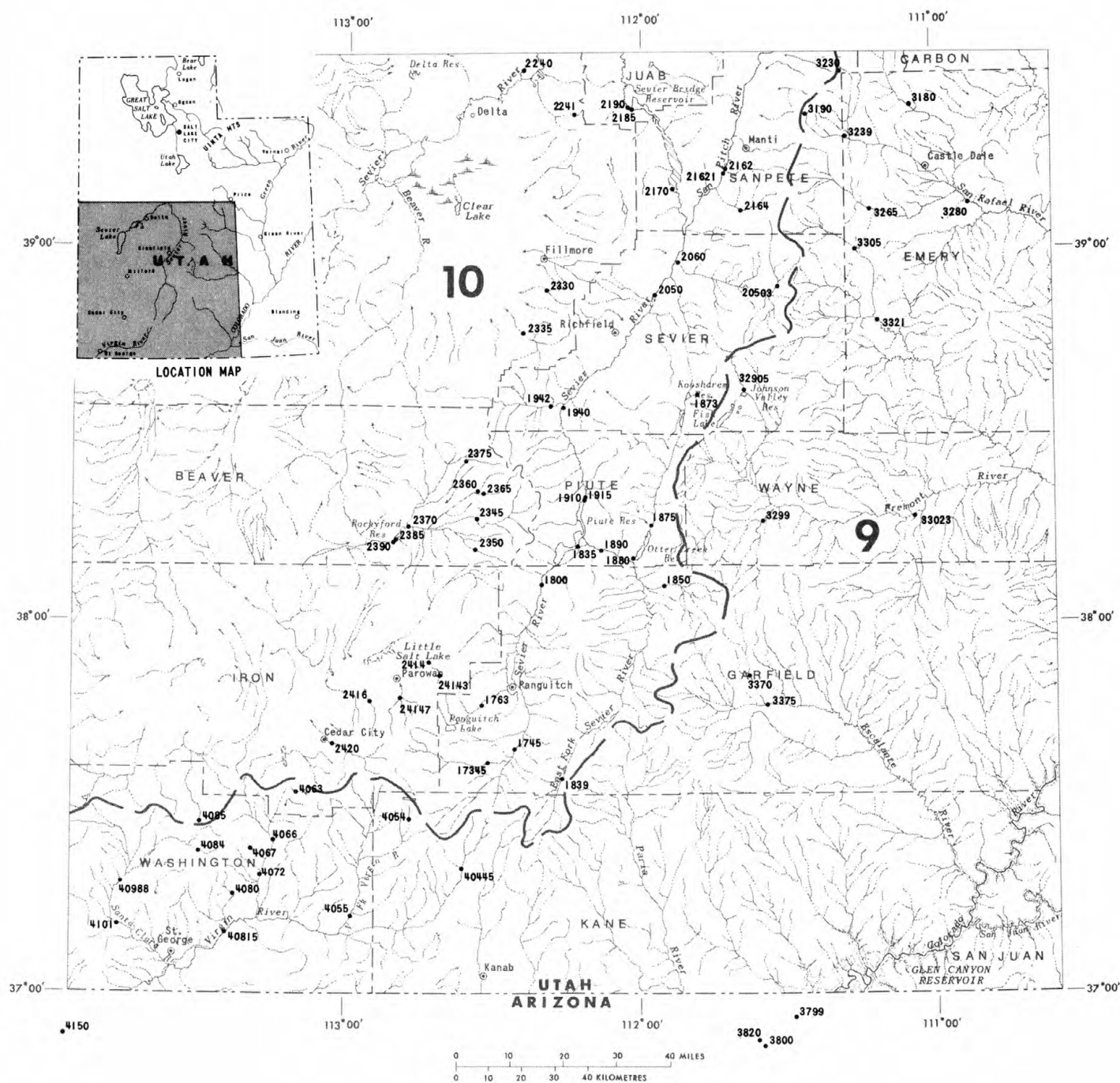


Figure 1.—Continued.

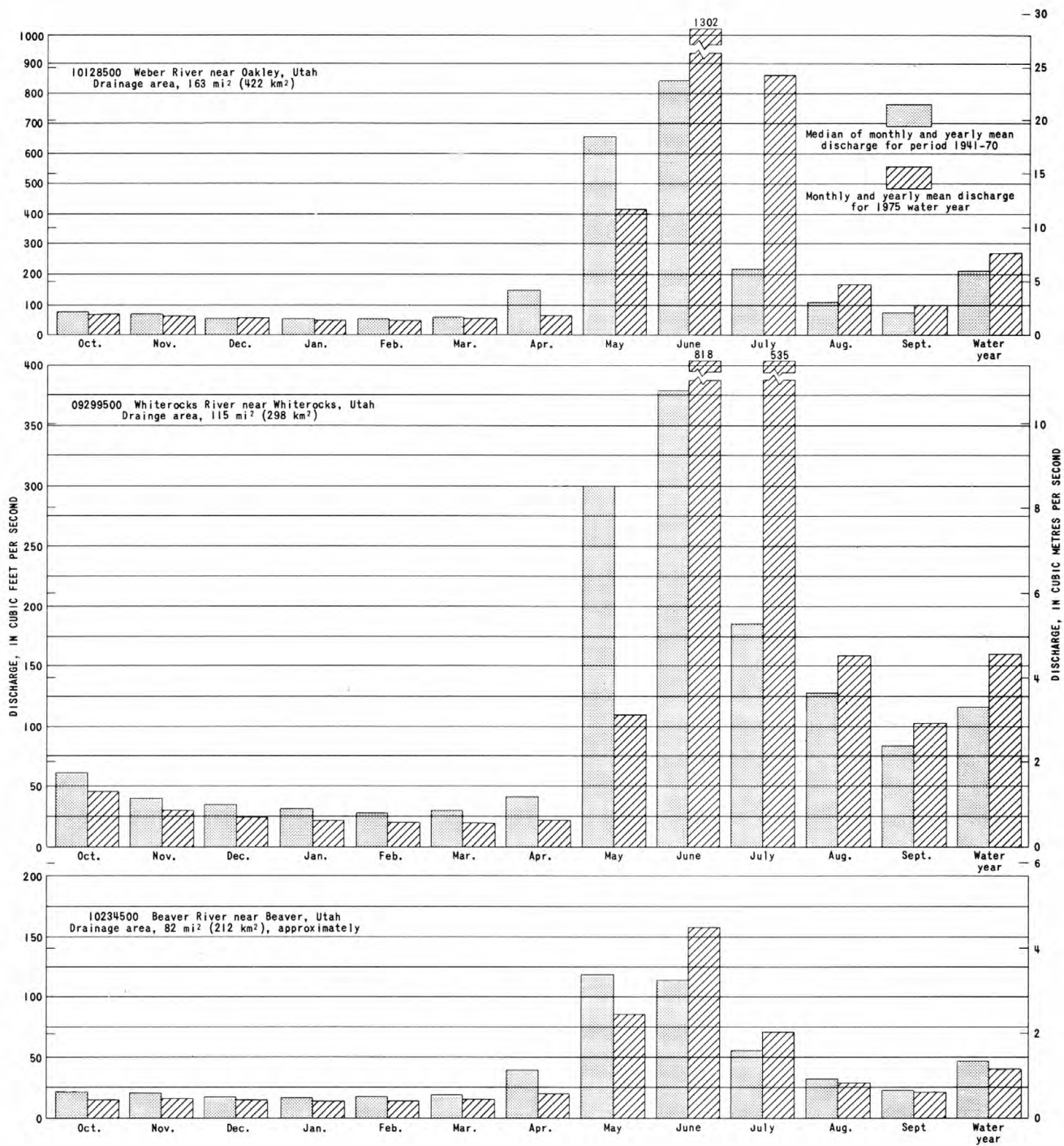


Figure 2.— Comparison of discharge at three long-term representative gaging stations during the 1975 water year with median discharge for the period 1941-70.

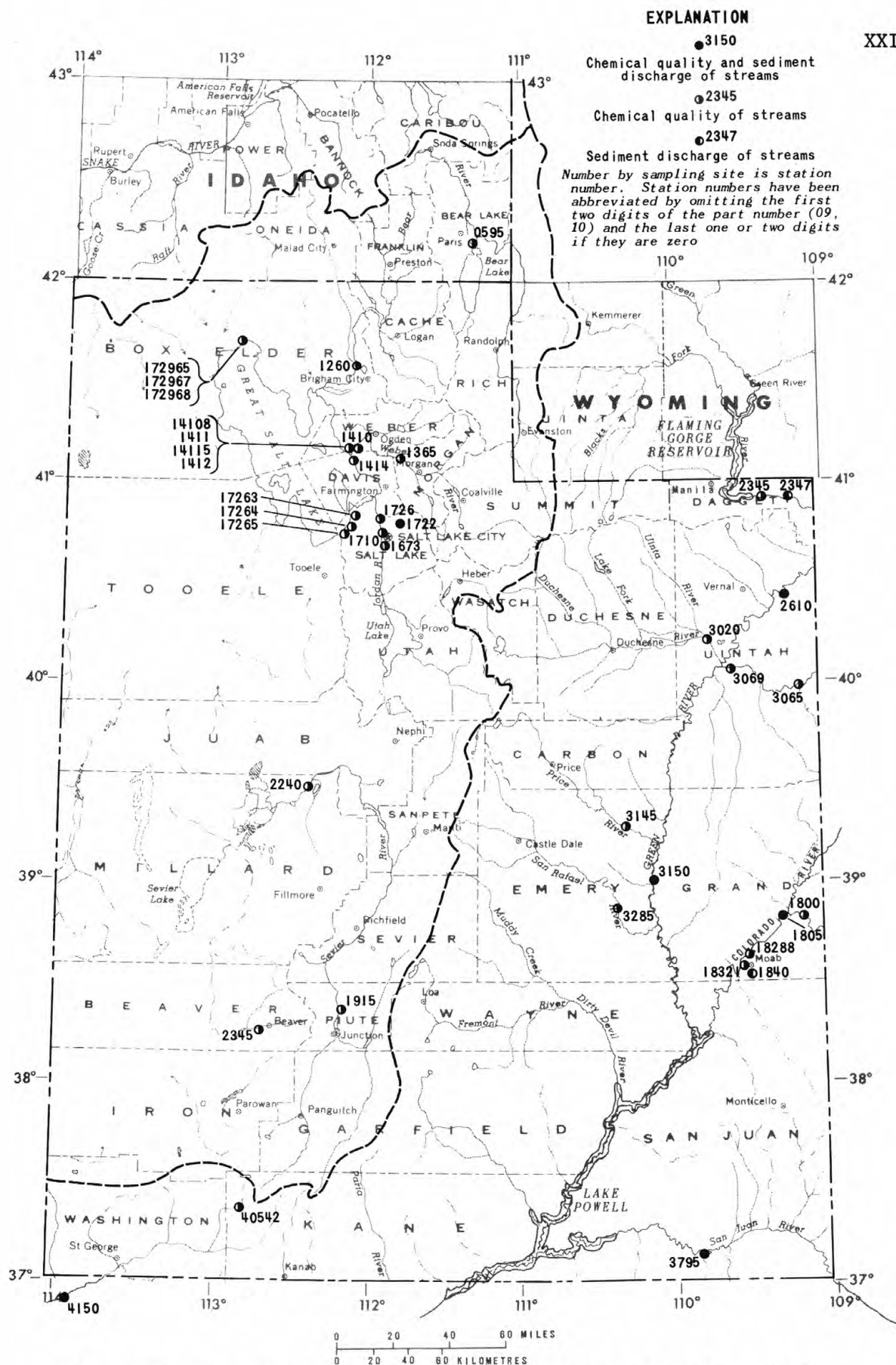


Figure 3.—Locations of surface water-quality stations in Utah.

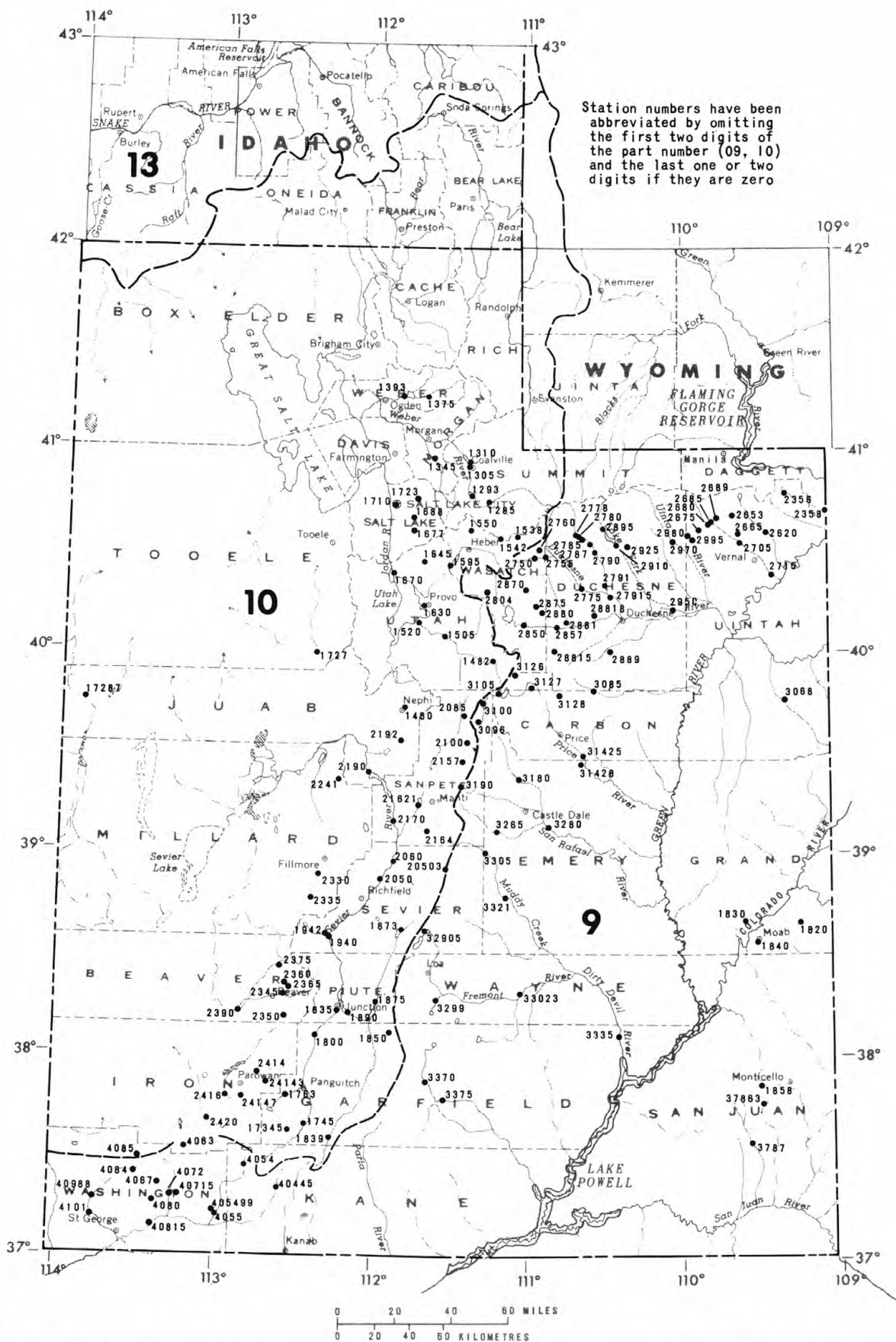


Figure 4.—Locations of sites in Utah where data were obtained on the specific conductance of surface water.

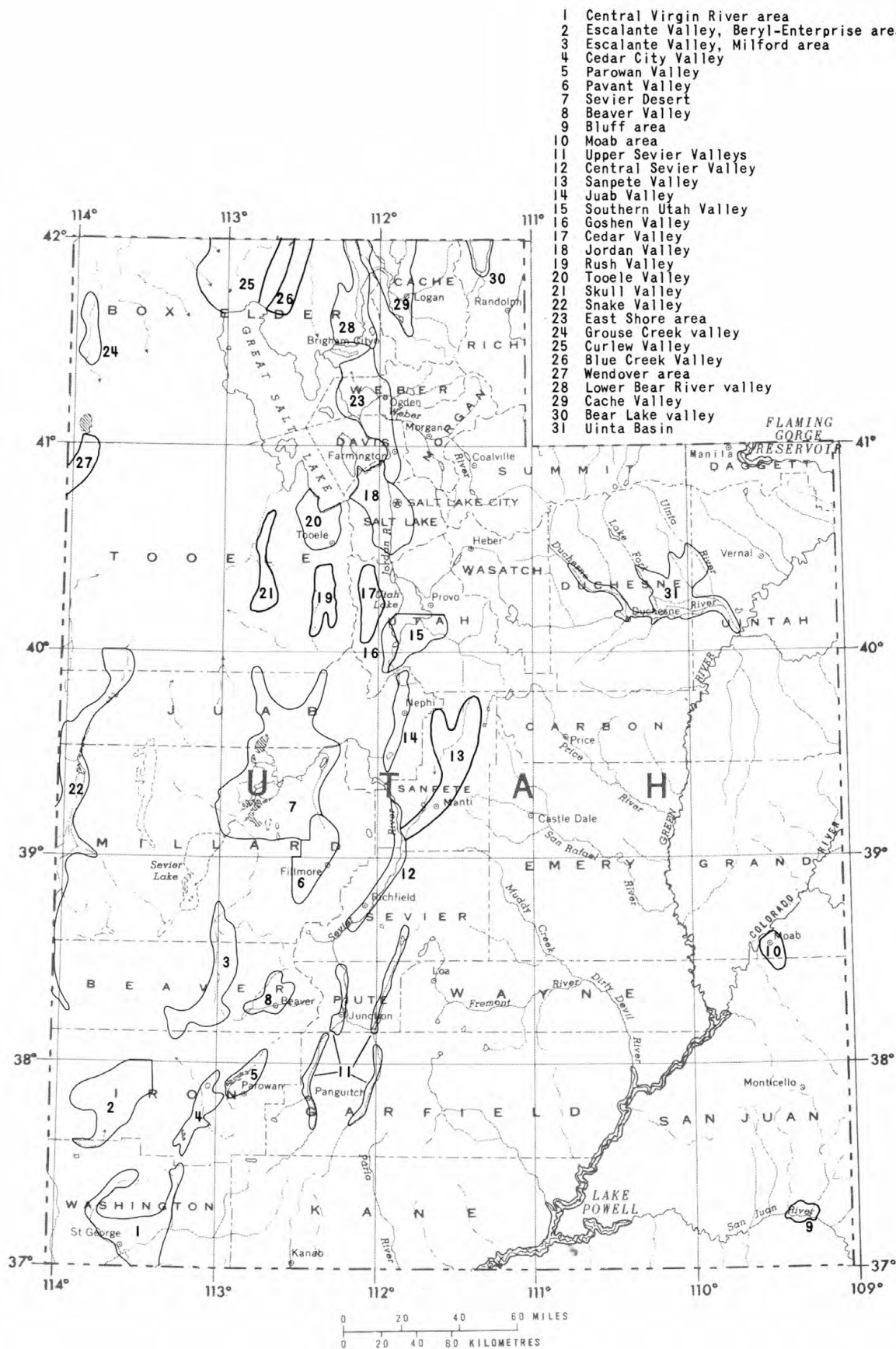


Figure 5.— Areas in Utah where data were obtained on the chemical quality of ground water.

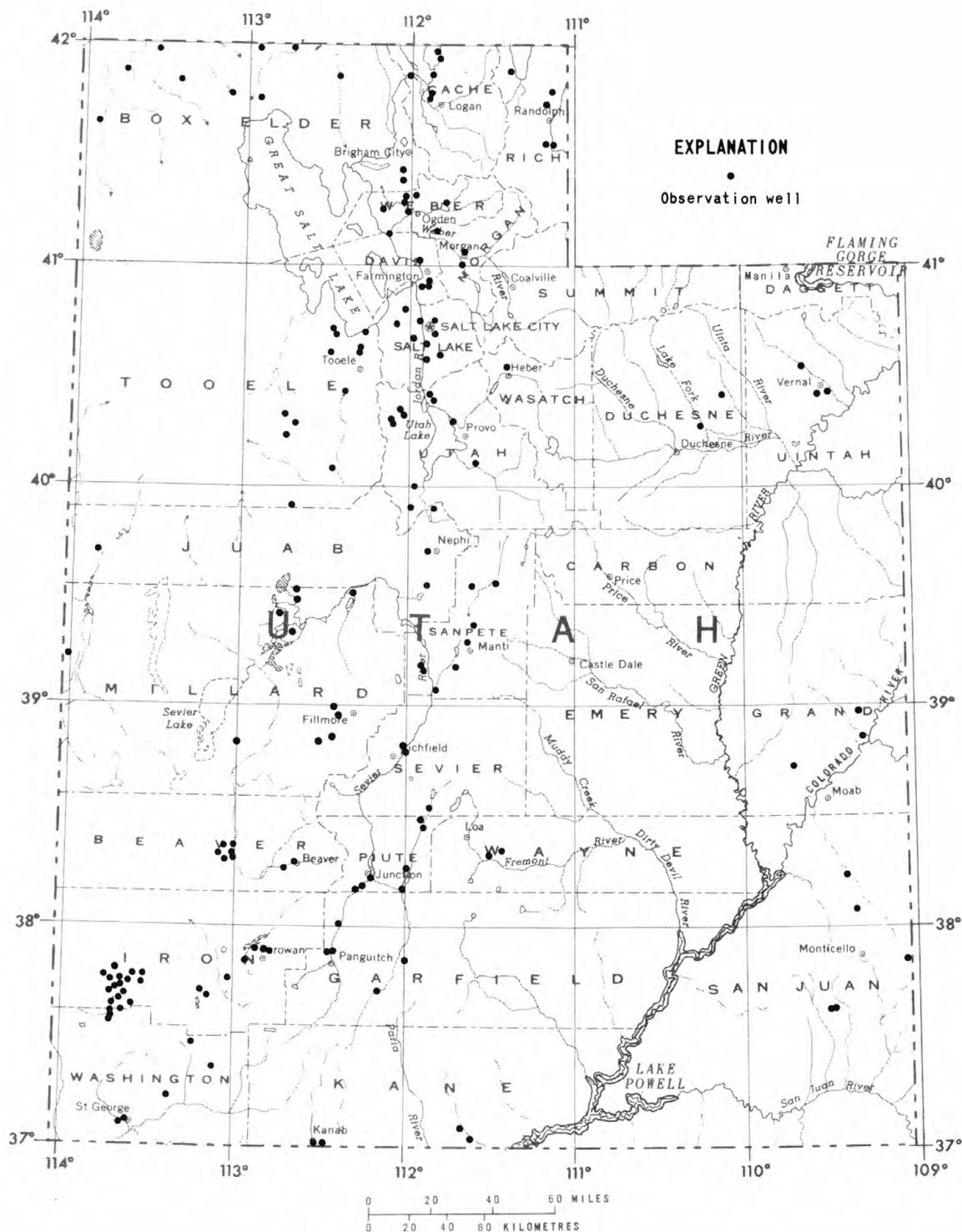


Figure 6.—Locations of observation wells in Utah where data were obtained on ground-water levels.

WATER RESOURCES DATA FOR UTAH, 1975

- Section 1. Surface-Water Records
- Section 2. Water-Quality Records
- Section 3. Ground-Water Records

INTRODUCTION

Water resources data for the 1975 water year for Utah consist of records of stage, discharge, and water quality of streams; stage or contents of lakes and reservoirs; and water-levels and water quality of wells and springs. This report contains discharge records for 238 gaging stations; stage or contents for 20 lakes and reservoirs; water quality for 41 surface-water stations and 362 wells; and water levels for 159 observation wells. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Utah.

Records of discharge (or stage) of streams, and contents (or stage) of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through water year 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65, and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States."

Beginning with the 1961 water year and continuing through water year 1974, streamflow data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year, and ground-water data since the 1971 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports provided rapid release of preliminary water data shortly after the end of the water year. The final data were then released in the water-supply paper series mentioned above. Beginning with the 1975 water year, water data will be released on a State-boundary basis in final form and will not be republished in the water-supply paper series. The reports for 1975 and subsequent water years will be in a series which will carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report UT-75-1." These reports are for sale to the public for a nominal fee from the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22151. For more information on publications available, see "PUBLICATIONS" on a subsequent page.

COOPERATION

The U.S. Geological Survey and organizations of the State of Utah have had cooperative agreements for the systematic collection of water-resources records since 1909. Organizations that assisted in collecting streamflow data through cooperative agreement with the Survey are:

Department of Natural Resources, Gordon E. Harmston, Executive director
Division of Water Rights, Dee C. Hansen, state engineer
Division of Water Resources, Daniel F. Lawrence, director
Utah Geological and Mineral Survey, Donald P. McMillan, director
Division of Wild Life Resources, John E. Phelps, director
Bear River Commission, E. O. Larson, chairman
Salt Lake County Commission, R. Y. McClure, chairman

Assistance in the form of funds was given by the Bureau of Reclamation, U.S. Department of the Interior, in collecting records for 16 gaging stations; by the Soil Conservation Service, U.S. Department of Agriculture, for one gaging station; by the Bureau of Land Management, U.S. Department of the Interior, for two gaging stations; and by the Corps of Engineers, U.S. Army, for one gaging station. Records for eight gaging stations in Idaho in the Bear River basin, and one in Utah, were collected by the Utah Power and Light Company under F.P.C. License.

Other District offices of the U.S. Geological Survey, Water Resources Division, obtained the records listed below that are included in this report:

Arizona District.--Colorado River at Lees Ferry, Arizona
Lake Powell at Glen Canyon Dam, Arizona
Paria River at Lees Ferry, Arizona

Colorado District.--Colorado River near Colorado-Utah State line

Nevada District.--Virgin River at Littlefield, Arizona

Wyoming District.--Blacks Fork near Millburne, Wyoming
Burnt Fork near Burntfork, Wyoming
East Fork of Smith Fork, near Robertson, Wyoming
Green River near Green River, Wyoming
Henry's Fork near Manila, Utah
Green River below Green River, Wyoming
West Fork of Smith Fork, near Robertson, Wyoming

New Mexico District.--San Juan River at Shiprock, New Mexico

Records for all stream-gaging stations operated by the Geological Survey in the Bear River basin in Utah, Idaho, and Wyoming are included in this report.

Organizations that supplied data are acknowledged in station descriptions.

Most water-quality data in this report were obtained as part of the Federal Program of the U.S. Geological Survey or in cooperation with the Bureau of Reclamation or the Bureau of Land Management, U.S. Department of the Interior, and the Environmental Protection Agency. Investigations of the quality of ground water and of some surface water were made under cooperative agreement between the U.S. Geological Survey and the Utah Department of Natural Resources, Gordon Harmston, executive director (Division of Water Rights, Dee C. Hansen, state engineer; Division of Water Resources, Daniel F. Lawrence, director, Division of Wild Life Resources, John E. Phelps, director).

Data on ground-water levels were obtained as part of a cooperative agreement between the U.S. Geological Survey and the Utah Department of Natural Resources (Division of Water Rights, Dee C. Hansen, state engineer).

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also table for converting English units to International System of units (SI) on p. 30.

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

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Bacteria are the microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are described as aerobic, and facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C (degrees Celsius).

Fecal coliform bacteria are the coliform bacteria group that are present in the intestine or feces of warmblooded animals. They are often used as an indicator of the sanitary quality of the water.

Fecal streptococcal bacteria are a group of bacteria found in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are defined as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth.

Bed material is the shifting portion of fragmented material of which the streambed is composed.

Biochemical oxygen demand (BOD) is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, or about 646,000 gallons or 2,445 cubic metres. It represents a runoff of approximately 0.0372 inch from 1 square mile or 0.3468 millimetre from 1 square kilometre.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds in water and varies with water composition(s), temperature, period of contact, and other factors.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 millilitres is determined by the immediate incubation membrane filter method.

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

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

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

Cubic foot per second (CFS,cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic metres per second.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a given time.

Dissolved refers to the amount of a substance present in true chemical solution. In practice, however, the term includes all forms of the substance that will pass through a 0.45-micrometre membrane filter, and thus may include some very small (colloidal) suspended particles. Analyses are performed on filtered samples.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

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

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

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

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per litre (UG/L, $\mu\text{g}/\text{l}$) is a unit expressing the concentration of chemical constituents in solution as the weight (micrograms) of solute per unit volume (litre) of water. One thousand micrograms per litre is equivalent to one milligram per litre.

Milligrams per litre (MG/L, mg/l) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per litre represents the weight of solute per unit volume of water. Milligrams or micrograms per litre may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per litre by multiplying by the factors in table 1, page 6. Concentration of suspended sediment also is expressed in mg/l , and is based on the weight of sediment per litre of water-sediment mixture. Sediment concentrations may be converted to parts per million by using the factors in table 2, p. 6.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per litre to milliequivalents per litre

Ion	Multi- ply by	Ion	Multi- ply by
Aluminum (Al ⁺³)*...	0.11119	Iodide (I ⁻¹).....	0.00788
Ammonia as NH ₄ ⁺¹ ...	.05544	Iron (Fe ⁺³)*.....	.05372
Barium (Ba ⁺²).....	.01456	Lead (Pb ⁺²)*.....	.00965
Bicarbonate (HCO ₃ ⁻¹)	.01639	Lithium (Li ⁺¹)*...	.14411
Bromide (Br ⁻¹).....	.01251	Magnesium (Mg ⁺²)..	.08226
Calcium (Ca ⁺²).....	.04990	Manganese (Mn ⁺²)*.	.03640
Carbonate (CO ₃ ⁻²)..	.03333	Nickel (Ni ⁺²)*....	.03406
Chloride (Cl ⁻¹)....	.02821	Nitrate (NO ₃ ⁻¹)...	.01613
Chromium (Cr ⁺⁶)*...	.11539	Nitrite (NO ₂ ⁻¹)...	.02174
Cobalt (Co ⁺²)*.....	.03394	Phosphate (PO ₄ ⁻³)..	.03159
Copper (Cu ⁺²)*.....	.03148	Potassium (K ⁺¹)...	.02557
Cyanide (CN ⁻¹).....	.03844	Sodium (Na ⁺¹).....	.04350
Fluoride (F ⁻¹).....	.05264	Strontium (Sr ⁺²)*.	.02283
Hydrogen (H ⁺¹).....	.99209	Sulfate (SO ₄ ⁻²)...	.02082
Hydroxide (OH ⁻¹)...	.05880	Zinc (Zn ⁺²)*.....	.03060

*Constituent reported in micrograms per litre; multiply by factor and divide results by 1,000.

Table 2.--Factors for conversion of sediment concentration in milligrams per litre to parts per million*
(All values calculated to three significant figures)

Range of concentration in 1000 mg/l	Di- vide by	Range of concentration in 1000 mg/l	Di- vide by	Range of concentration in 1000 mg/l	Di- vide by	Range of concentration in 1000 mg/l	Di- vide by
0 - 8	1.00	201-217	1.13	411-424	1.26	619-634	1.39
8.05- 24	1.01	218-232	1.14	427-440	1.27	636-650	1.40
24.2 - 40	1.02	234-248	1.15	443-457	1.28	652-666	1.41
40.5 - 56	1.03	250-264	1.16	460-473	1.29	668-682	1.42
56.5 - 72	1.04	266-280	1.17	476-489	1.30	684-698	1.43
72.5 - 88	1.05	282-297	1.18	492-506	1.31	700-715	1.44
88.5 -104	1.06	299-313	1.19	508-522	1.32	717-730	1.45
105 -120	1.07	315-329	1.20	524-538	1.33	732-747	1.46
121 -136	1.08	331-345	1.21	540-554	1.34	749-762	1.47
137 -152	1.09	347-361	1.22	556-570	1.35	765-780	1.48
153 -169	1.10	363-378	1.23	572-585	1.36	782-796	1.49
170- -185	1.11	380-393	1.24	587-602	1.37	798-810	1.50
186 -200	1.12	395-409	1.25	604-617	1.38		

*Based on water density of 1.000 g/ml and a specific gravity of sediment of 2.65.

Partial-record station is a particular site where limited streamflow or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimetres (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in distilled water (chemically dispersed).

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

Classification	Size (mm)	Method of analysis
Clay.....	0.00024 - 0.004	Sedimentation.
Silt.....	.004 - .062	Sedimentation.
Sand.....	.062 - 2.0	Sedimentation or sieve.
Gravel.....	2.0 - 64.0	Sieve.

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

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

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

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

Suspended-sediment discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, or by volume, that is discharged in a given time. It is computed by multiplying discharge times mg/l times 0.0027.

Total-sediment discharge or total-sediment load is the sum of the suspended-sediment discharge and the bedload discharge. It is the total quantity of sediment, as measured by dry weight or volume, that is discharged during a given time.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per litre of water-sediment mixture (mg/l).

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

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

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimetre at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per litre) is about 65 percent of the specific conductance (in micromhos per cm at 25°C). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Tons per acre-foot indicates the dry weight of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per litre by 0.00136.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour day.

Total (as used in tables of chemical analyses) refers to the amount of a substance that is present both in solution and in suspension. Analyses are performed on representative samples of water-suspended sediment mixtures.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

SPECIAL NETWORKS AND PROGRAMS

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

National stream-quality accounting network is an accounting network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated in the network design. Areal configuration of the network is based on river-basin accounting units designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in stream quality.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Pesticides are chemical compounds used to control the growth of undesirable plants and animals. Major categories of pesticides includes insecticides, miticides, fungicides, herbicides, and rodenticides. Since the first application of DDT as an insecticide in the early 1930's, there have been almost 60,000 pesticide formulations registered, each containing at least one of the approximately 800 different basic

pesticide compounds. The United States annually produces about 1 billion pounds of these compounds. Although efforts are being made to substitute many of the chlorinated hydrocarbon pesticides with more specific, fast-acting, and easily degradable compounds, chlorinated hydrocarbon pesticides are still commonly used in many areas of the country.

Radiochemical program is a network of regularly sampled water quality stations where additional samples are collected monthly or twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Radioisotopes are isotope forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights 35 and 37, with the natural mixture having atomic weight about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron (Rose, 1966). There are 275 isotopes of the 81 stable elements in addition to over 800 radioactive isotopes.

Radiosotopes that are determined in this program are natural uranium in $\mu\text{g}/\ell$ (micrograms per litre), radium as radium-226 in PC/L, (pCi/l, picocuries per litre), gross beta radiation as equivalent strontium/yttrium-90 or cesium-137 in PC/L, and gross alpha radiation as micrograms of uranium equivalent per litre ($\mu\text{g}/\ell$). Gross alpha and beta radioactivity associated with the fine grained (silt and clay) sediments in the samples are also determined.

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

DOWNSTREAM ORDER AND STATION NUMBER

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indentation, each indentation representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 09315000, which appears just to the left of the station name includes the 2-digit part number "09" plus the 6-digit downstream order number "315000." In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 9 (Colorado River Basin), Part 10 (The Great Basin), and Part 13 (Snake River basin). All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

Miscellaneous downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits is a sequential number for wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and a miscellaneous site are the same, assign sequential numbers "01," "02," etc. as one would for wells. See figure 7, page 12.

In addition to the well number that is based on latitude and longitude given for each well, another well number is given that is based on the U.S. Bureau of Land Management's system of land subdivision. This well number is familiar to the water users of Utah and shows the location of the well by quadrant, township, range, section, and position within the section. See figure 8, p. 13. The capital letter at the beginning of the location number indicates the quadrant in which the well is located. Four quadrants are formed by the intersection of the base line and the principal meridian--A indicates the northeast quadrant, B the northwest, C the southwest, and D the southeast. The first numeral indicates the

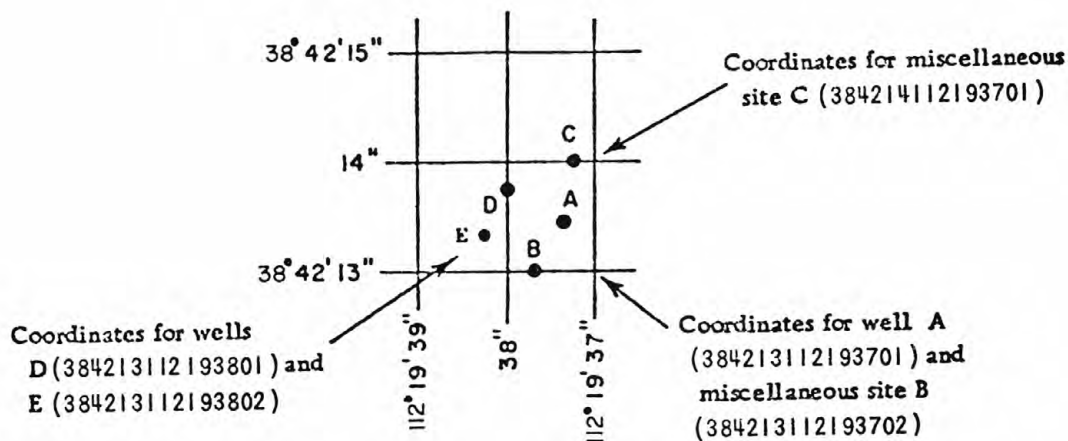


Figure 7. System for numbering wells and miscellaneous sites (latitude and longitude)

township, the second the range, and the third the section in which the well is located. Lowercase letters following the section number locate the well within the section. The first letter denotes the quarter section, the second the quarter-quarter section, and the third the quarter-quarter-quarter section. The letters are assigned within the section in a counterclockwise direction beginning with (a) in the northeast quarter of the section. Letters are assigned within each quarter section and quarter-quarter section in the same manner. Where two or more locations are within the smallest subdivision, consecutive numbers beginning with 1 are added to the letters in the order in which the wells are inventoried. For example, (C-16-9)15daa-2 indicates a well in the northeast quarter of the northeast quarter of the southeast quarter of sec.15, T.16 S., R.9 W., and shows that this is the second well inventoried in the quarter-quarter-quarter section. The capital letter C indicates that the township is south of the Salt Lake Base Line and that the range is west of the Salt Lake Meridian.

In addition to the Salt Lake Base Line and Salt Lake Meridian, which apply to most of Utah, the Uintah Base Line and Meridian are the basis for describing locations in a small, irregularly shaped area of north-eastern Utah. The quadrants, townships, ranges, sections, and parts of sections are designated in the same way as for the Salt Lake Base Line and Meridian. For any location in the Uintah area, however, the letter "U" precedes the parenthesis.

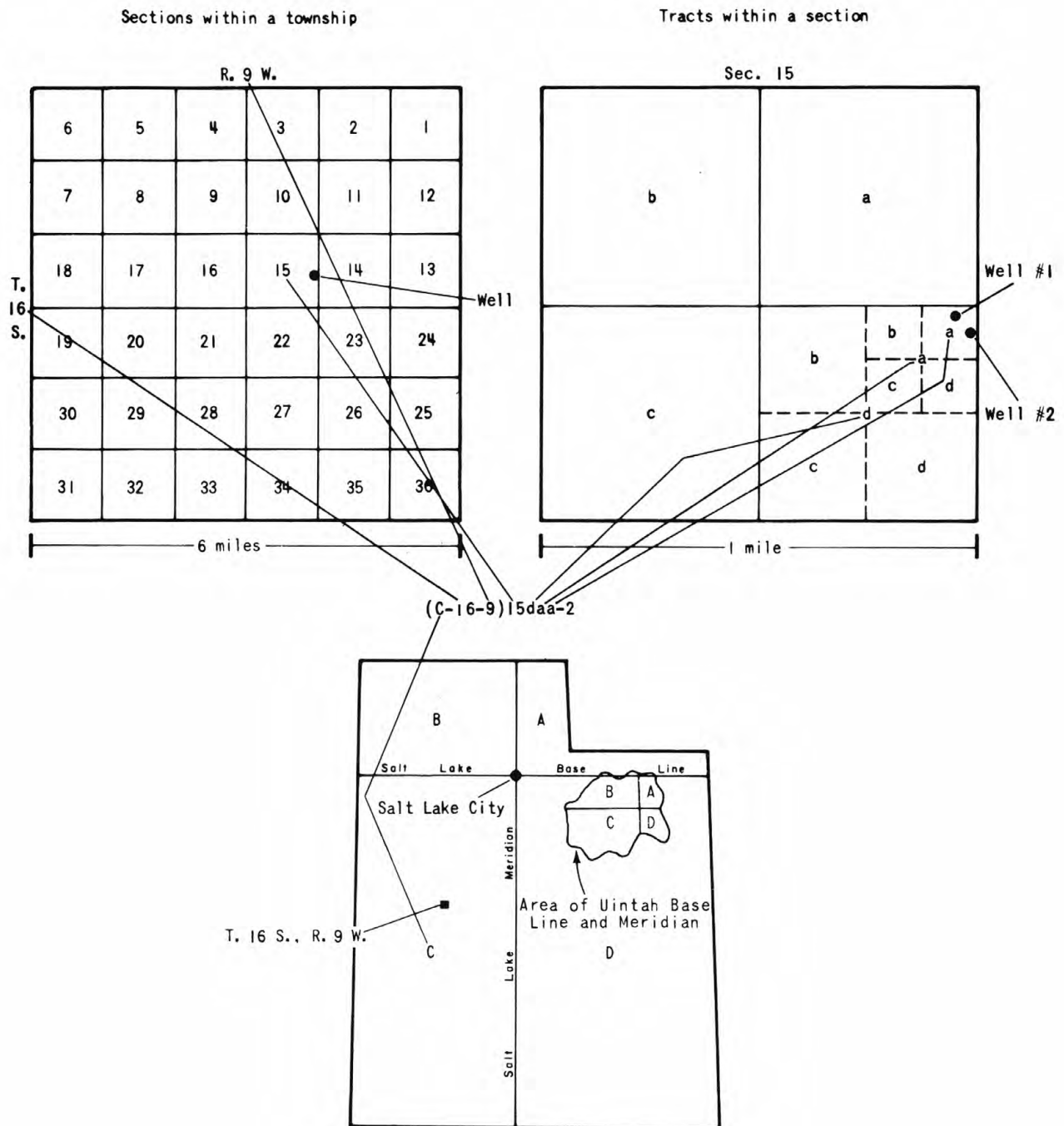


Figure 8.—System for numbering wells (township and range).

EXPLANATION OF SURFACE-WATER RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lake or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct readings on a non-recording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 15-, 30- or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

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

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharges are given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations and for some reservoir stations. Records are published for the water year, which begins October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the back cover to facilitate finding the day of the week for any date.

The description of the gaging stations gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, general remarks, and notations of revisions of previously published records. The location of the gaging

station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to the datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. The maximum discharge (or contents) and the maximum gage height, the minimum discharge if there is little or no regulation (or minimum contents), and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge (or contents), it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of water-quality records, is given under "REMARKS;" for reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir, is also given under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years

only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

Skeleton rating tables are published for stream-gaging stations where they serve a useful purpose and the dates of applicability can be easily identified.

Skeleton capacity tables are published for all reservoirs for which records of contents are published on a daily basis.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches.

In the yearly summary below the monthly summary, the figures following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site

are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditons have been explained in preceding paragraphs.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for canals, ditches, drains, or for any stream for which the peaks are subjected to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations and miscellaneous sites are given in two tables at the end of the surface-water records in this report. The first is a table of annual maximum stage and discharge and the second is a table of discharge measurements at miscellaneous sites.

Accuracy of data

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

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent of true value; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure.

The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information of major floods in the area. Records for stations in Utah for the period October 1960 to September 1965, are in Water-Supply Papers 1924, 1925, 1926, and 1927.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharges and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Utah are compiled in Water-Supply Papers 1313, 1314, and 1317 through September 1950, and in 1733, 1734, and 1737 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Records of discharge collected by agencies other than the Geological Survey

Records of discharge not published by the Geological Survey, but for which an index is maintained by the Office of Water Data Coordination, were collected in Utah at 36 sites during the 1975 water year by the following agencies: Records at 19 sites were collected by the Forest Service, at 5 sites by the Weber River Distribution System, at 3 sites by the Bureau of Reclamation; and at 2 sites each by the following: Ogden Bay Water Fowl Management Area, Ogden River Water Users, and Salt Lake County Water Conservancy District; and at one site each by the following: Clear Lake Waterfowl Management Area, Metropolitan Water District of Salt Lake City, and Utah Department of Natural Resources. The Office of Water Data Coordination, Water Resources Division, U.S. Geological Survey, Reston, Virginia 22092, maintains an index of these sites. Information on records of specific sites can be obtained from that office upon request.

EXPLANATION OF WATER QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents and sediment loads in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations. For ground-water stations, no descriptive statements are given; however, the well number, depth of well, date of sampling, and/or other pertinent data are given in the table containing the chemical analyses of the ground water.

Water-quality information is presented for chemical and microbiological quality, water temperature, and fluvial sediment. Chemical quality includes concentrations of individual dissolved constituents and certain

properties or characteristics such as hardness, sodium-adsorption-ratio, specific conductance, and pH. Specific conductance and temperature only were measured at 135 stations in Utah, usually at one-month intervals (fig. 1). Field instruments having a specific conductance range from 50 to 8,000 micromhos were used for the measurements. In the tables on pages 425 to 461 a few data are shown as <50 (less than) micromhos or >8,000 (more than) micromhos. Discharge records and detailed information on locations of these stations are given in Section 1 of this report. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent once-daily observations except for stations where a continuous temperature recorder (thermograph) furnished information from which daily minimums and maximums were obtained. Fluvial-sediment information is given for suspended-sediment discharges and concentrations and for particle-size distribution of suspended sediment and bed material.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit ($^{\circ}\text{F}$). In October 1967, the U.S. Geological Survey began reporting data for chemical constituents and concentrations of suspended sediment in milligrams per litre (mg/l) and water temperatures in degrees Celsius ($^{\circ}\text{C}$). In waters with a density of 1.000 g/ml (grams per millilitre), parts per million and milligrams per litre can be considered equal. In waters greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per litre. Temperatures reported in degrees Celsius may be converted to degrees Fahrenheit by using table 3, p. 22.

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per litre instead of milligrams per litre. (See "Definition of Terms," p. 3, and table for converting English Units to SI units, p. 300.

Solutes

Most methods for collecting and analyzing water samples to determine the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman. The method for determining elemental constituents by emission spectrographic techniques is described by Barnett and Mallory. Analysis of pesticides, herbicides, and organic substances in water are described by Goerlitz and Lamar, Lamar, Goerlitz, and Law, and Goerlitz and Brown. The collection and analysis of aquatic, biological and microbiological samples are described by Slack and others.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations

Table 3.--Degrees Clesius ($^{\circ}\text{C}$) to degrees Fahrenheit ($^{\circ}\text{F}$)*
(Temperature reported to nearest 0.5°C)

$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

* $^{\circ}\text{C} = 5/9 (^{\circ}\text{F} - 32)$ or $^{\circ}\text{F} = 9/5 (^{\circ}\text{C}) + 32$.

in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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

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

Ground-water quality normally does not change significantly during short periods of time; infrequent sampling and analysis of ground water adequately define ground-water quality at a given site. Water samples from wells are analyzed individually.

Temperature

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

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and month.

Sediment

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

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

on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

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

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

Publications

The annual series of water-supply papers that contain information on quality of surface waters in Utah are listed below.

<u>Water year</u>	<u>WSP No.</u>	<u>Water year</u>	<u>WSP No.</u>	<u>Water year</u>	<u>WSP No.</u>	<u>Water year</u>	<u>WSP No.</u>
1947	1102	1953	1293	1959	1645	1965	1965
1948	1133	1954	1353	1960	1745	1966	1995
1949	1163	1955	1403	1961	1885	1967	2015
1950	1189	1956	1453	1962	1945	1968	2098
1951	1200	1957	1523	1963	1951	1969	2148
1952	1253	1958	1574	1964	1958	1970	2158

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

Only ground-water level data from a basic national network of observation wells are published herein. These water-level measurements are intended to provide a sampling and historical record of water-level changes in the nation's most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on the grid system of latitude and longitude as shown in figure 4, and (2) a local number (fig. 5) that is provided for continuity with older reports and for other use as dictated by local needs.

Measurements are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well insure that measurements at each well are of consistent accuracy and reliability.

Water-level measurements in this report are given in feet with reference to either mean sea level (msl) or land-surface datum (lsd). Mean sea level is the datum plane on which the national network of precise levels are based; land-surface datum is a datum plane that is approximately at land surface at each well. The altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Publications

Publication of ground-water level data for the United States in water-supply papers was begun by the Geological Survey in 1935. From 1935 through 1939, a single water-supply paper for each year covering the entire nation was issued (Water-Supply Papers 777, 817, 840, 845, and 886). From 1940 through 1974, separate water-supply papers were issued for 6 sections of the United States. Water-level data for Utah are in the water-supply papers listed below, each report containing one or more calendar years (January-December) of data. Data in this report are for the 12-month water year ending September 30.

<u>Calendar year</u>	<u>WSP No.</u>	<u>Calendar year</u>	<u>WSP No.</u>	<u>Calendar year</u>	<u>WSP No.</u>	<u>Calendar year</u>	<u>WSP No.</u>
1935	777	1942	948	1949	1160	1956-60	1760
1936	817	1943	990	1950	1169	1961-65	1845
1937	840	1944	1020	1951	1195	1966-70	1980
1938	845	1945	1024	1952	1225		
1939	886	1946	1075	1953	1269		
1940	910	1947	1100	1954	1325		
1941	940	1948	1130	1955	1408		

Information about reports and other data on ground water in Utah may be obtained from the district office, at the address given on the back of the title page.

HYDROLOGIC CONDITIONS

Streamflow during the 1975 water year was above normal throughout the state except in the southwestern part of the state where it was below normal. Flow as measured at the seven key gaging stations averaged 127 percent of the 1941-70 medians, compared to 98 percent a year ago. Figure 3 shows comparison of discharge during the 1975 water year with median discharge for a 30-year period at three of the key gaging stations.

Average temperatures for the period March, April, and May of 1975 were the coldest since 1917. This cool spring weather retarded snowmelt runoff several weeks and midsummer flows were generally good. As a result of unseasonable cold temperatures during May, record high snow-water content for the June 1 measurements occurred throughout the state. The year 1975 was similar to the late snow years of 1957, 1965, and 1968. All time records for June 1 water content were set on more than 30 snow courses in Utah, and 12 of these courses had always reported no snow on June 1.

The Great Salt Lake reached its highest level in 46 years on June 15, 1975. This elevation of 4,201.55 ft (1,280.632 m) above mean sea level reflects a rise of 10.20 ft (3.109 m) since October 1963, when the all time record low of 4,191.35 ft (1,277.524 m) was recorded. The elevation of 4,201.55 ft (1,280.632 m) reached June 15, 1975, was also the elevation at which the lake stood in 1851, 1862, 1898, 1909, and 1929. This elevation is 0.25 ft (0.076 m) higher than a year ago.

Streamflow into Lake Powell from the three main tributaries averaged 138 percent of median. The flow of Green River at Green River was 116 percent of median, Colorado River near Cisco was 116 percent of median, and San Juan River near Bluff was 183 percent of median (all adjusted for upstream storage). In the north-central part of the state, streamflow averaged 135 percent of median. The flow of the Logan River above state dam, near Logan, South Fork Ogden River near Huntsville, and Weber River near Oakley were 117, 150, and 137 percent, respectively. In the Sevier River basin, average runoff was above normal, ranging from 131 percent at East Fork Sevier River near Rubys Inn, to 89 percent at East Fork Sevier River near Kingston. In the southwestern part of the state, average runoff was below normal. Flows at Beaver River near Beaver, Coal Creek near Cedar City, and North Fork Virgin River near Springdale were 87, 101, and 99 percent, respectively, of the 1941-70 medians.

The storage in Flaming Gorge Reservoir and Lake Powell, at the close of the 1975 water year, was 23,852,000 ac-ft (29.4 km^3), 83 percent of capacity and an increase of 2,259,000 ac-ft (2.79 km^3) from last year.

Recurring periods of scattered showers and thunderstorm activities produced localized floods during the midsummer. A very brief shower of unusual intensity was reported at Bryce Canyon Airport. A new record five- and ten-minute accumulation of 4.05 in (102.87 mm) was reported. This is a new record for both time periods for the State of Utah.

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Table 4.--Factors for converting English units to International System units (SI)

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
<i>Length</i>		
inches (in)	25.4	millimetres (mm)
	.0254	metres (m)
feet (ft)	.3048	metres (m)
yards (yd)	.9144	metres (m)
rods	5.0292	metres (m)
miles (mi)	1.609	kilometres (km)
<i>Area</i>		
acres	4047	square metres (m ²)
	.4047	*hectares (ha)
	.4047	square hectometres (hm ²)
	.004047	square kilometres (km ²)
square miles (mi ²)	2.590	square kilometres (km ²)
<i>Volume</i>		
gallons (gal)	3.785	**litres (l)
	3.785	cubic decimetres (dm ³)
	3.785x10 ⁻³	cubic metres (m ³)
million gallons (10 ⁶ gal)	3785	cubic metres (m ³)
	3.785x10 ⁻³	cubic hectometres (hm ³)
cubic feet (ft ³)	28.32	cubic decimetres (dm ³)
	.02832	cubic metres (m ³)
cfs-days [(ft ³ /s) · d]	2447	cubic metres (m ³)
	2.447x10 ⁻³	cubic hectometres (hm ³)
acre-feet (acre-ft)	1233	cubic metres (m ³)
	1.233x10 ⁻³	cubic hectometres (hm ³)
	1.233x10 ⁻⁶	cubic kilometres (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	28.32	litres per second (l/s)
	28.32	cubic decimetres per second (dm ³ /s)
	.02832	cubic metres per second (m ³ /s)
gallons per minute (gpm)	.06309	litres per second (l/s)
	.06309	cubic decimetres per second (dm ³ /s)
	6.309x10 ⁻⁵	cubic metres per second (m ³ /s)
million gallons per day (mgd)	43.81	cubic decimetres per second (dm ³ /s)
	.04381	cubic metres per second (m ³ /s)
<i>Mass</i>		
tons (short)	.9072	tonnes (t)

*The unit hectare is approved for use with the International System (SI) for a limited time. See NBS Special Bulletin 330, p.15, 1972 edition.

**The unit litre is accepted for use with the International System (SI). See NBS Special Bulletin 330, p. 13, 1972 edition.

Section 1. Surface-Water Records

COLORADO RIVER MAIN STEM

33

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE

LOCATION.--Lat 39°10'00", long 108°57'26", in SE¼SE¼ sec.23, T.10 S., R.104 W., Mesa County, on right bank 4.8 mi (7.7 km) downstream from Salt Creek, 6.3 mi (10.1 km) southwest of Mack, Colo., and 7.2 mi (11.6 km) upstream from Colorado-Utah State line.

DRAINAGE AREA.--17,764 mi² (46,009 km²).

PERIOD OF RECORD.--May 1951 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,365 ft (1,330 m) from topographic map.

AVERAGE DISCHARGE.--24 years, 5,847 ft³/s (165.6 m³/s), 4,236,000 acre-ft/yr (5,220 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 26,300 ft³/s (745 m³/s) June 9 (gage height, 10.60 ft or 3.231 m); minimum daily, 2,360 ft³/s (66.8 m³/s) Dec. 27.
Period of record: Maximum discharge, 56,800 ft³/s (1,610 m³/s) June 9, 1957 (gage height, 16.40 ft or 4.999 m); minimum daily, 960 ft³/s (27.2 m³/s) Sept. 7, 1956.

REMARKS.--Records good. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, and diversions for irrigation. (Records include all return flow from irrigated areas.) Water-quality records for the current year are published in Section 2 of this report, as "below Colorado-Utah State line."

REVISIONS.--WRD Colo. 1974: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2930	4110	3770	3690	4110	4050	3390	6790	14700	16000	6120	2690
2	2930	4220	3610	3260	4070	4010	3710	6040	14700	16200	5600	2620
3	2970	4240	3450	3020	3530	3690	3590	6070	16500	17100	5330	2520
4	2990	4220	3890	3350	3110	3750	3040	6520	18200	17000	5280	2460
5	3110	4110	4090	3510	3810	4260	3830	7660	20200	17000	4810	2440
6	3040	4470	4240	3510	3950	4340	4110	8230	21600	17000	4410	2490
7	3040	4520	4260	3730	4010	4850	4010	7660	23500	16400	4010	2540
8	3110	4600	4220	4410	3690	3990	3990	6970	24400	15500	3770	2540
9	3110	4780	3470	4370	3730	4370	4430	6460	26000	15600	3790	2560
10	3040	4220	3200	4370	3690	4390	3970	6460	24200	15700	3590	2730
11	3060	4340	3490	3790	3870	4540	3690	7390	21400	14900	3470	2950
12	3130	4320	3470	3910	4280	4690	4450	9270	18400	13800	3320	3260
13	3300	4200	3830	3470	3690	4220	4340	11100	16700	12500	3280	3550
14	3410	4160	3770	3530	3670	4390	3040	11100	16300	11600	3530	3730
15	3430	4370	3790	3630	4180	4090	2540	13000	19700	10900	3830	4010
16	3410	4140	3530	3950	4090	4490	2680	15400	23000	11800	3990	4050
17	3370	4160	3670	4090	3750	3830	3510	17500	24800	12300	3810	3990
18	3320	3890	4030	4340	3630	3490	6120	18900	22600	12200	3650	3690
19	3240	3950	4140	3790	3670	3990	6550	19200	20600	11200	3350	3750
20	3260	4030	4010	3450	3970	3930	6170	19400	18200	10000	3150	3770
21	3240	4110	3950	3370	3970	3770	5920	21000	16100	9620	3150	3690
22	3260	4140	3990	3770	3850	3690	5310	21400	15100	9240	3280	3690
23	3450	4240	3450	4160	3970	3530	5450	20200	14400	8530	3320	3690
24	3550	4160	3390	3850	3340	3240	5940	17600	14500	7870	3390	3590
25	3470	4220	3570	4050	3550	3040	7270	15900	15300	7120	3190	3510
26	3490	3990	2970	3930	3850	3340	8740	16300	17100	6520	2920	3530
27	3650	4340	2360	3650	4090	3670	9300	16900	15700	6340	2740	3570
28	3990	4280	3370	3990	3930	3810	9460	17700	15400	6240	2740	3510
29	3750	4010	3610	4540	---	3810	8560	17400	16100	6020	2730	3510
30	3870	3730	3490	4540	---	2930	7540	16800	15900	5740	2730	3450
31	3990	---	3260	4300	---	2990	---	15300	---	6320	2810	---
TOTAL	102910	126270	113340	119320	107050	121180	154650	407620	561300	364260	115090	98080
MEAN	3320	4209	3656	3849	3823	3909	5155	13150	18710	11750	3713	3269
MAX	3990	4780	4260	4540	4280	4850	9460	21400	26000	17100	6120	4050
MIN	2930	3730	2360	3020	3110	2930	2540	6040	14400	5740	2730	2440
AC-FT	204100	250500	224800	236700	212300	240400	306700	808500	1113000	722500	228300	194500
CAL YR 1974	TOTAL	2139360	MEAN	5861	MAX	22400	MIN	1850	AC-FT	4243000		
WTR YR 1975	TOTAL	2391070	MEAN	6551	MAX	26000	MIN	2360	AC-FT	4743000		

DOLORES RIVER BASIN

09180000 Dolores River near Cisco, Utah

LOCATION.--Lat 38°47'50", long 109°11'40", in SW¼SE¼ sec.18, T.23 S., R.25 E., Grand County, on left bank 0.2 mile (0.3 km) downstream from Line Canyon, 9.1 miles (14.6 km) upstream from mouth, 13.5 miles (21.7 km) downstream from Colorado-Utah State line, and 13.9 miles (22.4 km) southeast of Cisco.

DRAINAGE AREA.--4,580 mi² (11,860 km²), approximately.

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for some periods, published in WSP 1733.

GAGE.--Water-stage recorder. Altitude of gage is 4,165 ft (1,270 m) from river-profile map. Dec. 6, 1950 to Apr. 18, 1965, at site 200 ft (61 m) downstream at different datum; Apr. 19, 1965 to Sept. 3, 1975 at site 10 ft (3 m) downstream at different datum.

AVERAGE DISCHARGE.--25 years, 721 ft³/s (20.4 m³/s), 522,400 acre-ft/yr (644 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 11,900 ft³/s (337 m³/s) Apr. 27 (gage height, 7.03 ft or 2.143 m); minimum daily, 35 ft³/s (0.991 m³/s) Oct. 1-5.

Period of record: Maximum discharge, 17,400 ft³/s (493 m³/s) Apr. 21, 1958 (gage height, 9.84 ft or 3.000 m) at different datum; minimum, 3.4 ft³/s (0.096 m³/s) Sept. 23, 1956.

REMARKS.--Records good, except those for Oct. 1 to June 19, which are poor. Many diversions for irrigation above station. Records of chemical analysis for the water year 1975 will be published in another part of this report.

REVISIONS (WATER YEARS).--Revised figures of discharge, in cubic feet per second, for the water year 1973-74 superseding those published in WRD Utah, 1974, are given herewith.

DISCHARGE, IN CUBIC FEET PER SECOND, 1974

DISCHARGE, IN CUBIC FEET PER SECOND, 1974														
DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP
1		35	7	100	30	13	140	22	19	35	16	25	35	30
2		35	8	110	30	14	140	20	20	25	18	26	35	30
3		35	9	110	30	15	90	18	21	30	43	27	35	30
4		30	10	100	30	16	80	16	22	35	43	28	35	30
5		30	11	80	27	17	60	16	23	35	38	29	35	33
6		30	12	110	24	18	45	16	24	35	30	30	35	35
												31	35	
Month				Cfs-days			Maximum		Minimum		Mean		Acre-feet	
August 1974.				2,190			140		25		70.6		4,340	
September 1974				850			43		16		28.3		1,690	
Water Year 1974.				170,319			3,500		16		467		337,800	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	131	80	130	130	166	222	2690	2700	3130	525	120
2	35	134	80	130	130	174	209	2870	2500	3200	473	106
3	35	156	80	130	130	214	250	3200	2700	3400	404	97
4	35	168	90	130	130	190	330	3600	3500	3610	374	83
5	35	164	100	130	147	170	450	4000	4200	3530	336	83
6	40	160	100	130	151	150	600	3800	4600	3200	293	88
7	50	158	100	130	172	130	850	3500	4900	3020	250	89
8	80	155	100	130	178	130	1150	3100	5200	3140	229	102
9	90	153	100	130	164	130	2000	2800	5300	3650	229	95
10	90	151	100	130	186	130	1900	2700	5200	3220	245	87
11	90	151	110	115	176	160	1500	4500	4800	2960	236	99
12	90	149	120	115	172	200	1500	6000	4400	2930	225	127
13	90	149	130	115	168	220	1750	7500	4000	3050	218	160
14	90	147	130	115	164	240	1600	8500	3500	2300	330	216
15	90	145	130	115	178	255	1400	9000	2400	2330	282	471
16	90	143	130	115	194	270	1000	9000	3500	2470	277	259
17	90	142	130	115	188	280	1100	8680	4500	2560	236	247
18	90	142	130	115	172	290	1300	8540	4800	2050	229	218
19	90	140	130	115	151	290	1450	7050	4350	1790	207	165
20	90	140	130	115	158	290	1400	6580	3680	1520	194	160
21	90	142	130	115	162	290	1300	6180	2980	1270	188	175
22	90	142	130	115	170	285	3000	5970	2640	1130	190	146
23	90	138	130	115	180	285	4000	5100	2460	1010	313	132
24	90	134	130	115	175	280	6000	4110	2530	875	296	125
25	90	133	130	115	155	275	7500	3600	2800	740	211	133
26	100	131	130	115	166	262	8770	3780	3110	653	190	127
27	100	80	130	115	188	252	9920	4480	3100	564	176	115
28	100	80	130	115	170	231	6370	5330	3070	529	160	112
29	100	80	130	115	---	222	3980	4890	3190	489	157	100
30	100	80	130	115	---	225	3050	4110	3200	432	143	100
31	100	---	130	115	---	214	---	3580	---	568	124	---
TOTAL	2475	4118	3630	3715	4605	6900	75851	158740	109810	65320	7940	4337
MEAN	79.8	137	117	120	164	223	2528	5121	3660	2107	256	145
MAX	100	168	130	130	194	290	9920	9000	5300	3650	525	471
MIN	35	80	80	115	130	130	209	2690	2400	432	124	83
AC-FT	4910	8170	7200	7370	9130	13690	150500	314900	217800	129600	15750	8600

CAL YR 1974 TOTAL 166034 MEAN 455 MAX 3500 MIN 16 AC-FT 329300
WTR YR 1975 TOTAL 447441 MEAN 1226 MAX 9920 MIN 35 AC-FT 887500

PEAK DISCHARGE (BASE, 3,000 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
4-27	1200	7.03	11,900	5-28	1200	5.51	6,110
5-16	1200	6.76	10,600				

NOTE.--No gage-height record Oct. 1-31, Dec. 13 to Jan. 22.

09180500 Colorado River near Cisco, Utah

LOCATION.--Lat 38°48'38", long 109°17'34", in NW¼ sec.17, T.23 S., R.24 E., Grand County, on left bank 1 mile (2 km) downstream from Dolores River, 11 miles (18 km) south of Cisco, 36 miles (58 km) downstream from Colorado-Utah State line, 97 miles (156 km) upstream from Green River, and 235 miles (378 km) upstream from San Juan River, at mile 1,022.3 (1,643.2 km).

DRAINAGE AREA.--24,100 mi² (62,420 km²), approximately.

PERIOD OF RECORD.--January 1895 to current year (1895 to 1910, calendar-year estimates only). Monthly discharge only for some periods, published in WSP 1313. Published as Grand River near Moab, October 1913 to November 1914, and as Grand River near Cisco, November 1914 to September 1917.

GAGE.--Water-stage recorder. Altitude of gage is 4,090 ft (1,247 m) from river-profile map. Prior to Nov. 10, 1914, several staff and chain gages at bridge near Moab, 31 miles (50 km) downstream at datum 3,937.73 ft (1,200.220 m) above mean sea level.

AVERAGE DISCHARGE.--64 years (1911-75), 7,655 ft³/s (216.8 m³/s), 5,546,000 acre-ft/yr (6.84 km³/yr).

EXTREMES.--Current year: Maximum discharge, 30,000 ft³/s (850 m³/s) June 9 (gage height, 10.93 ft or 3.331 m); minimum, 2,140 ft³/s (60.6 m³/s) Sept. 5.

Period of record: Maximum discharge, 76,800 ft³/s (2,175 m³/s) June 19, 1917 (gage height, 19.7 ft or 6.00 m); minimum recorded, 558 ft³/s (15.8 m³/s) July 21, 1934 (gage height, 0.44 ft or 0.134 m).

Maximum discharge known, about 125,000 ft³/s (3,540 m³/s) July 4, 1884, from flood record at Fruita, Colo.

REMARKS.--Records good except those for winter period, which are fair. Diversions above station for irrigation and power, including several transmountain diversions. Flow regulated by Blue Mesa Reservoir (see station 09124600) since Nov. 27, 1965. Records of chemical analysis, water temperatures, and suspended-sediment loads for the water year 1975 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 918: 1913, 1937. WSP 1313: 1918-22.

DISCHARGE, IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2890	4240	4020	3590	4100	3930	3170	8360	16600	17700	6620	2570
2	2870	4260	3580	3520	4000	4150	3950	8120	16100	18100	5940	2450
3	2900	4460	3500	3030	3500	3900	3690	8490	18000	18800	5490	2360
4	2920	4490	3730	3550	3100	3570	3160	9380	20600	19400	5430	2270
5	3010	4200	4160	3630	3800	4120	3740	11000	23200	19400	5010	2210
6	3060	4620	4260	3780	3900	4230	3990	11300	25300	18900	4570	2250
7	3020	4550	4270	3800	4000	4630	4170	10000	27500	18600	4140	2280
8	3100	4770	4490	4400	3600	4790	3940	8810	28300	17500	3820	2330
9	3140	4810	3670	4300	3700	4040	4940	8030	29200	18000	3650	2360
10	3090	4740	3190	4300	3600	4630	4540	8180	28600	17700	3690	2390
11	3080	4420	3630	3700	3800	4530	4150	9500	25300	16900	3480	2620
12	3130	4490	3360	3900	4200	4880	4140	12300	21400	15800	3290	2820
13	3240	4450	3780	3400	3600	4380	5100	15000	18600	14900	3180	3440
14	3420	4240	3820	3500	3600	4320	3660	15600	17600	12900	3420	3610
15	3480	4380	3860	3600	4100	3980	2980	17400	20100	12200	3590	4020
16	3490	4460	3750	3900	4000	4280	2890	20000	24400	12900	3900	4030
17	3480	4300	3430	4090	3700	4000	3340	22000	27300	13600	3700	3950
18	3410	4200	3940	4300	3600	3360	6310	23600	26100	13700	3520	3720
19	3380	3980	3980	3700	3530	3820	7650	23700	23600	12500	3250	3630
20	3320	4260	4040	3400	3720	3820	7250	23900	20800	11500	3050	3650
21	3290	4240	3980	3300	3740	3610	6780	25200	18000	10500	2950	3640
22	3250	4230	3920	3600	3780	3600	6950	26600	16200	10200	3000	3610
23	3400	4410	3650	4100	3720	3520	8190	25000	15300	9470	3250	3520
24	3770	4330	3140	3800	3670	3280	9440	21600	14900	8680	3320	3450
25	3570	4380	3520	4000	2850	3080	11200	18700	15900	7860	3160	3420
26	3530	4000	3400	3900	3760	3210	13500	18100	18100	7060	2880	3350
27	3600	4360	2480	3600	3800	3690	15000	19300	17500	6690	2670	3380
28	3930	4410	3050	3900	4000	3770	12600	21100	16900	6580	2550	3390
29	3960	4260	3550	4500	---	3930	10500	20400	17700	6300	2560	3310
30	3990	3590	3550	4500	---	3260	9180	19600	17700	5910	2530	3320
31	4060	---	3180	4300	---	2910	---	17500	---	6260	2520	---
TOTAL	103780	130530	113880	118890	104470	121220	190100	507770	626800	406610	114130	93350
MEAN	3348	4351	3674	3835	3731	3910	6337	16380	20890	13120	3682	3112
MAX	4060	4810	4490	4500	4200	4880	15000	26600	29200	19400	6620	4030
MIN	2870	3590	2480	3030	2850	2910	2890	8030	14900	5910	2520	2210
AC-FT	205800	258900	225900	235800	207200	240400	377100	1007000	1243000	806500	226400	185200
CAL YR 1974 TOTAL	2226490			MEAN 6100	MAX 24700	MIN 1800	AC-FT 4416000					
WTR YR 1975 TOTAL	2631530			MEAN 7210	MAX 29200	MIN 2210	AC-FT 5220000					

PEAK DISCHARGE (BASE, 26,000 CFS).-- June 9 (1700) 30,000 CFS (10.93 ft).

TRIBUTARIES BETWEEN DOLORES RIVER AND GREEN RIVER

09182000 Castle Creek above diversions near Moab, Utah

LOCATION.--Lat 38°35'34", long 109°15'54", in NW¼NE¼ sec.33, T.25 S., R.24 E., Grand County, on left bank 1 mile (2 km) east of LaSal National Forest boundary and 15 miles (24 km) east of Moab.

DRAINAGE AREA.--7.58 mi² (19.6 km²).

PERIODS OF RECORD.--July 1950 to September 1955, April 1957 to September 1975 (discontinued).

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 7,070 ft (2,155 m) by barometer.

AVERAGE DISCHARGE.--23 years, 1.16 ft³/s (0.033 m³/s), 840 acre-ft/yr (1.04 km³/yr).

EXTREMES.--Current year: Maximum discharge, 20 ft³/s (0.57 m³/s) June 18 (gage height, 1.78 ft or 0.543 m); minimum recorded discharge, 0.11 ft³/s (0.003 m³/s) Mar. 29.

Period of record: Maximum discharge, 27 ft³/s (0.76 m³/s) Aug. 11, 1967 (gage height, 1.71 ft or 0.521 m); no flow for many days in 1959-61, 1963-64.

REMARKS.--Records good, except those for winter period and period of no gage-height record, which are poor. No diversions above station.

REVISIONS (WATER YEARS).--WSP 1563: Drainage area. WSP 1633: 1952, 1953(M), 1955, 1957.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.55	.51	.30	.30	.35	.30	.28	.47	3.4	4.5	2.4	1.0
2	.54	.51	.30	.30	.35	.31	.27	.49	3.8	4.3	2.2	1.0
3	.56	.51	.30	.30	.35	.30	.27	.52	4.5	4.3	2.1	1.0
4	.55	.51	.30	.30	.35	.30	.26	.50	4.6	4.3	2.1	.95
5	.55	.47	.40	.30	.35	.30	.25	.52	5.0	4.3	1.9	.95
6	.55	.47	.40	.30	.35	.30	.25	.53	5.7	4.3	1.9	.95
7	.55	.47	.40	.30	.35	.30	.25	.54	6.4	4.5	1.9	.95
8	.55	.48	.40	.30	.35	.30	.28	.55	7.1	5.0	1.8	.95
9	.54	.51	.40	.30	.35	.33	.28	.55	8.4	5.1	1.7	.95
10	.54	.47	.40	.30	.35	.33	.27	.55	8.0	5.1	1.7	.88
11	.51	.47	.40	.35	.35	.31	.27	.55	7.5	4.9	1.7	.88
12	.52	.47	.35	.35	.35	.30	.27	.58	6.6	4.5	1.6	.88
13	.51	.47	.30	.35	.35	.30	.27	.66	5.8	4.5	1.6	.88
14	.51	.47	.30	.35	.35	.30	.27	.80	6.0	4.4	1.6	.88
15	.51	.47	.30	.35	.35	.30	.33	.94	6.8	4.7	1.5	.88
16	.55	.47	.25	.35	.30	.30	.34	1.6	7.5	4.6	1.4	.82
17	.53	.47	.25	.35	.30	.34	.36	2.4	8.1	4.4	1.4	.82
18	.52	.47	.25	.35	.30	.35	.36	3.0	8.6	4.2	1.4	.82
19	.52	.46	.25	.35	.30	.30	.36	3.5	8.2	4.1	1.4	.82
20	.51	.43	.25	.35	.30	.30	.36	4.1	7.6	4.0	1.3	.76
21	.51	.43	.25	.35	.30	.30	.38	4.5	6.8	3.8	1.3	.70
22	.53	.44	.25	.35	.30	.30	.40	3.6	5.9	3.4	1.3	.70
23	.55	.47	.25	.35	.30	.29	.42	3.1	5.3	3.3	1.3	.70
24	.55	.47	.25	.35	.30	.28	.44	2.9	4.9	3.2	1.3	.68
25	.55	.45	.25	.35	.30	.27	.50	2.8	4.8	3.1	1.2	.66
26	.55	.47	.25	.35	.30	.27	.48	2.9	4.7	2.9	1.2	.64
27	.55	.47	.25	.35	.30	.27	.43	3.3	4.7	2.8	1.1	.63
28	.52	.50	.25	.35	.30	.27	.43	4.0	4.5	2.8	1.1	.60
29	.52	.40	.30	.35	---	.25	.43	3.8	4.5	2.7	1.1	.58
30	.51	.30	.30	.35	---	.28	.44	3.5	4.5	2.6	1.1	.57
31	.51	---	.30	.35	---	.27	---	3.4	---	2.5	1.1	---
TOTAL	16.52	13.96	9.40	10.35	9.15	9.22	10.20	61.15	180.2	123.1	47.7	24.48
MEAN	.53	.47	.30	.33	.33	.30	.34	1.97	6.01	3.97	1.54	.82
MAX	.56	.51	.40	.35	.35	.35	.50	4.5	8.6	5.1	2.4	1.0
MIN	.51	.30	.25	.30	.30	.25	.25	.47	3.4	2.5	1.1	.57
AC-FT	33	28	19	21	18	18	20	121	357	244	95	49

CAL YR 1974 TOTAL 384.79 MEAN 1.05 MAX 4.6 MIN .25 AC-FT 763
WTR YR 1975 TOTAL 515.43 MEAN 1.41 MAX 8.6 MIN .25 AC-FT 1020

PEAK DISCHARGE (BASE, 5.0 CFS).--June 18 (1900) 20 CFS (1.78 ft).

NOTE.--No gage-height record November 30 to March 1.

09183000 Courthouse Wash near Moab, Utah

LOCATION.--Lat 38°36'46", long 109°34'45", in NE¼ sec.22, T.25 S., R.21 E., Grand County, on left bank 0.6 mile (1.0 km) upstream from bridge on U.S. Highway 160, 0.8 mile (1.3 km) upstream from mouth and 3.0 miles (4.8 km) northwest of Moab.

DRAINAGE AREA.--162 mi² (420 km²).

PERIOD OF RECORD.--October 1949 to September 1955, April to September 1957, July 1966 to current year. Records for station at site 5 miles (8 km) upstream published as "at Arches Highway Crossing near Moab" September 1958 to July 1966 not equivalent at all times due to possibility that some summer storm runoff would be from intermediate area.

GAGE.--Water-stage recorder. Altitude of gage is 3,980 ft (1,213 m) from river-profile map.

AVERAGE DISCHARGE.--15 years (1949-55, 1967-75), 1.95 ft³/s (0.055 m³/s), 1,410 acre-ft/yr (1.74 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,510 ft³/s (42.8 m³/s) July 16 (gage height, 3.24 ft or 0.988 m); no flow August 5. Period of record: Maximum discharge, 12,300 ft³/s (348 m³/s) Aug. 5, 1957 (gage height, 9.38 ft or 2.859 m), from rating curve extended above 500 ft³/s (14.2 m³/s) on basis of slope-area measurement of peak flow; no flow at times.

REMARKS.--Records good except for period of no gage-height record, which are fair and winter period, which are poor. No regulation or diversions above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.15	.20	.18	.17	.85	.64	.37	.32	.30	.12	.04	.11
2	.15	.20	.18	.17	.93	.62	12	.28	.25	.12	.05	.11
3	.17	.20	.18	.17	.88	.51	2.1	.24	.20	.90	.05	.12
4	.17	1.9	.18	.17	.75	.44	1.0	.22	.14	.15	.05	.18
5	.18	.40	.64	.17	.80	.68	.55	31	.11	.10	.04	.16
6	.18	.20	.34	.17	.58	1.4	.51	1.7	.15	.10	.05	.12
7	.17	.20	.34	.20	.58	.59	2.0	.35	.15	.08	.04	.12
8	.17	.20	.25	.24	.65	5.3	.67	.35	.18	.08	.05	.13
9	.17	11	.18	.44	.69	24	.64	.35	.18	.08	.05	.13
10	.17	.30	.18	.54	1.2	3.3	.68	.35	.18	4.7	.05	.12
11	.15	.18	.21	.20	.50	15	2.5	.35	.15	.16	.05	.13
12	.15	.18	.21	.17	.54	9.5	45	.35	.15	.12	.05	.12
13	.15	.18	.21	.17	.58	2.4	5.0	.35	.15	.09	.06	.11
14	.15	.18	.18	.17	1.6	.64	.81	.35	.15	.07	.07	.12
15	.15	.18	.21	.17	1.0	.51	.64	.35	.15	.13	.06	.12
16	.15	.18	.18	.17	.73	.42	.60	.35	.12	50	.06	.12
17	.15	.18	.18	.17	1.2	26	.51	.35	.15	10	.07	.11
18	.15	.18	.18	.17	.48	12	1.1	.35	.40	1.0	.09	.10
19	.15	.18	.21	.17	.53	3.8	.49	.35	.34	.08	.08	.07
20	.16	.18	.21	.17	.67	1.9	.57	.35	.40	.08	.06	.06
21	.17	.18	.29	.17	.53	1.2	.50	1.2	.29	.08	.07	.06
22	.17	.18	.34	.17	.49	.83	.44	.40	.18	.09	.07	.06
23	.17	.18	.15	.17	.52	.78	.33	.35	.18	.08	.06	.06
24	1.5	.18	.18	.17	.77	.46	.31	.35	.15	.08	.06	.06
25	.17	.18	.17	.17	.64	.35	.28	.35	.15	.08	.06	.06
26	.17	.18	.17	1.0	.58	22	.22	.35	.15	.07	.06	.06
27	.17	.18	.17	1.5	.60	23	.35	.35	.15	.07	.07	.06
28	.17	.18	.17	2.3	.59	12	.30	.35	.12	.07	.09	.06
29	2.0	.18	.17	4.5	---	6.3	.32	.80	.12	.05	.09	.06
30	.20	.18	.17	1.5	---	3.3	.37	.45	.15	.06	.10	.06
31	.20	---	.17	.89	---	2.1	---	.35	---	.05	.12	---
TOTAL	8.28	18.40	6.78	16.71	20.46	181.97	117.79	43.96	5.64	68.94	1.97	2.96
MEAN	.27	.61	.22	.54	.73	5.87	3.93	1.42	.19	2.22	.06	.09
MAX	2.0	11	.64	4.5	1.6	26	45	31	.40	50	.12	.18
MIN	.15	.18	.15	.17	.48	.35	.22	.22	.11	.05	.04	.06
AC-FT	16	36	13	33	41	361	234	87	11	137	3.9	5.9

CAL YR 1974 TOTAL 305.03 MEAN .84 MAX 123 MIN .05 AC-FT 605
WTR YR 1975 TOTAL 493.86 MEAN 1.35 MAX 50 MIN .04 AC-FT 980

PEAK DISCHARGE (BASE, 700 CFS).--July 16 (2300) 1,510 cfs (3.24 ft)

NOTE.--No gage-height record June 6 to July 7.

09184000 Mill Creek near Moab, Utah

LOCATION.--Lat 38°33'44", long 109°30'48", in NW¼NE¼ sec.8, T.26 S., R.22 E., Grand County, on right bank 0.5 mile (0.8 km) downstream from North Fork, 1.5 miles (2.4 km) southeast of Moab, and 3.5 miles (5.6 km) upstream from mouth.

DRAINAGE AREA.--74.9 mi² (194.0 km²).

PERIOD OF RECORD.--October 1914 (fragmentary), November 1914, February to September 1915, October to November 1915, February to March 1916, June 1916 to June 1917, April to July 1918 (fragmentary), April to July 1919, July 1949 to September 1971. October 1972 to current year.

GAGE.--Water-stage recorder and sharp-crested weir. Altitude of gage is 4,240 ft (1,290 m) from topographic map. Prior to Apr. 28, 1918, nonrecording gage and Apr. 28, 1918 to Aug. 2, 1919, July 1949 to Mar. 15, 1962, water-stage recorder, 0.4 mile (0.6 km) upstream at various datums.

AVERAGE DISCHARGE.--25 years (1950-71, 1973-75), 14.5 ft³/s (0.411 m³/s), 10,510 acre-ft/yr (13.0 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 106 ft³/s (3.00 m³/s) May 14 (gage height, 2.52 ft or 0.768 m); minimum, 2.7 ft³/s (0.076 m³/s) Nov. 19, Dec. 23.

Period of record: Maximum recorded discharge, about 5,110 ft³/s (145 m³/s) Aug. 21, 1953 (gage height, 10.74 ft or 3.274 m, from floodmark, site and datum then in use) from rating curve extended above 700 ft³/s (19.8 m³/s) on basis of slope-area measurements at gage heights 8.24 ft (2.512 m), 8.62 ft (2.626 m), 9.81 ft (2.990 m), and 11.1 ft (3.38 m); maximum gage height, 11.6 ft (3.54 m) Aug. 26, 1961, site and datum then in use; minimum discharge recorded, 0.2 ft³/s (0.006 m³/s) Feb. 15, 1964.

REMARKS.--Records fair, except those for winter period, which are poor. Small diversions, near headwaters, for irrigation above station. Temperature and suspended-sediment load records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	9.1	7.4	12	9.1	8.2	8.4	10	28	20	10	10
2	6.8	9.1	7.4	12	9.1	8.6	8.0	11	30	20	9.6	10
3	7.3	10	7.4	10	9.6	8.2	7.7	14	38	20	9.6	10
4	7.5	10	7.4	10	9.1	7.7	8.6	19	45	20	10	10
5	6.8	9.6	7.4	10	9.1	8.2	9.6	31	47	20	10	10
6	6.9	6.9	7.4	10	9.1	8.6	8.6	14	52	20	10	10
7	6.8	6.6	7.4	10	11	8.6	9.0	11	55	20	9.6	10
8	6.8	7.7	7.4	10	9.1	8.6	9.6	10	60	21	9.6	11
9	6.4	11	8.0	10	9.1	11	9.6	12	59	24	10	11
10	6.8	7.3	8.4	10	10	10	9.1	14	50	24	8.6	11
11	13	6.9	9.0	9.8	9.6	11	11	23	41	19	9.0	11
12	9.6	8.2	10	9.8	9.6	9.1	13	28	35	19	9.9	11
13	7.7	8.2	9.6	9.8	8.6	8.2	11	25	34	19	28	13
14	7.3	8.2	7.7	9.8	10	8.6	11	38	35	19	16	12
15	7.3	8.2	9.6	9.8	8.6	7.7	10	46	38	20	12	11
16	7.3	8.6	9.1	9.8	8.2	8.2	10	51	42	22	12	11
17	7.3	8.6	8.6	9.8	8.6	14	11	45	50	31	11	11
18	7.3	7.3	8.6	9.8	6.9	8.6	9.6	40	60	19	11	11
19	7.7	7.3	8.6	9.8	6.2	8.6	7.7	35	52	15	11	10
20	7.7	7.7	9.1	9.8	8.2	8.6	8.2	30	46	12	11	11
21	7.3	7.7	9.1	9.8	7.7	8.6	8.6	26	40	11	11	11
22	7.7	7.7	8.6	9.8	6.9	9.6	9.6	24	35	10	11	10
23	9.1	7.7	6.2	9.8	7.4	7.3	9.1	22	32	11	10	10
24	9.6	8.0	5.5	9.8	8.2	6.9	10	21	29	11	10	10
25	9.1	8.0	6.2	9.8	10	11	11	21	26	12	10	10
26	8.6	8.0	10	11	9.6	9.0	16	22	24	12	10	10
27	9.6	8.0	13	16	8.6	8.0	11	24	21	12	10	10
28	9.1	8.0	13	11	8.6	7.3	10	26	20	12	10	9.1
29	16	7.4	12	9.6	---	6.9	9.1	27	20	13	10	9.1
30	9.6	7.4	12	11	---	8.2	9.1	26	20	12	10	9.1
31	8.6	---	12	10	---	8.2	---	26	---	11	10	---
TOTAL	255.4	244.4	273.1	319.6	245.8	271.3	294.2	772	1164	531	339.9	313.3
MEAN	8.24	8.15	8.81	10.3	8.78	8.75	9.81	24.9	38.8	17.1	11.0	10.4
MAX	16	11	13	16	11	14	16	51	60	31	28	13
MIN	6.4	6.6	5.5	9.6	6.2	6.9	7.7	10	20	10	8.6	9.1
AC-FT	507	485	542	634	488	538	584	1530	2310	1050	674	621

CAL YR 1974 TOTAL 5425.7 MEAN 14.9 MAX 460 MIN 5.5 AC-FT 10760
WTR YR 1975 TOTAL 5024.0 MEAN 13.8 MAX 60 MIN 5.5 AC-FT 9970

PEAK DISCHARGE (BASE, 250 CFS). No peak above base.

TRIBUTARIES BETWEEN DOLORES RIVER AND GREEN RIVER

39

09185800 Indian Creek tunnel near Monticello, Utah

LOCATION.--Lat 37°50'28", long 109°30'17", in sec.9, T.34 S., R.22 E. (unsurveyed), San Juan County, on left bank 200 ft (61 m) downstream from headgate, 500 ft (152 m) upstream from tunnel entrance, and 9.0 miles (14.5 km) southwest of Monticello.

PERIOD OF RECORD.--October 1957 to September 1959, June 1960 to current year. Monthly discharge only for some periods, published in WSP 1733.

GAGE.--Water-stage recorder and Cippolletti weir. Altitude of gage is 9,120 ft (2,780 m) from topographic map.

AVERAGE DISCHARGE.--17 years (1957-59, 1960-75), 1.50 ft³/s (0.0425 m³/s), 1,090 acre-ft/yr (1.34 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 10 ft³/s (0.28 m³/s) June 13; no flow Sept. 24-30.

Period of record: Maximum daily discharge, 18 ft³/s (0.51 m³/s) June 8, 1968; no flow at times in some years.

REMARKS.--Records fair except for period of no gage-height record, which are poor. Water is diverted from Indian Creek to the San Juan River basin for domestic use and irrigation in the vicinity of Blanding.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.32	.25	.18	.17	.16	.15	.14	.15	4.7	8.3	1.5	.60
2	.32	.29	.18	.17	.16	.15	.14	.16	5.1	8.4	1.5	.40
3	.32	.24	.18	.17	.16	.15	.14	.23	5.3	8.5	1.5	.40
4	.28	.18	.18	.17	.16	.15	.14	.72	5.1	8.7	1.4	.40
5	.32	.20	.18	.17	.16	.15	.14	.63	5.1	8.1	1.4	.41
6	.32	.19	.18	.17	.16	.15	.14	.44	4.5	7.6	1.4	.39
7	.32	.19	.18	.17	.16	.15	.14	.25	4.0	7.1	1.4	.59
8	.32	.19	.18	.17	.16	.15	.14	.13	3.4	6.5	1.4	.58
9	.32	.19	.18	.17	.16	.15	.14	.24	2.6	6.2	1.4	.54
10	.28	.19	.18	.17	.16	.15	.14	.78	2.6	5.8	1.4	.54
11	.28	.19	.18	.17	.16	.15	.14	1.9	2.6	5.3	1.4	.54
12	.32	.19	.18	.17	.16	.15	.14	4.2	8.0	5.0	1.4	.60
13	.32	.19	.18	.17	.16	.15	.14	6.6	10	4.5	1.4	.61
14	.28	.19	.18	.17	.16	.15	.14	7.8	10	4.2	1.4	.59
15	.28	.19	.18	.17	.16	.15	.14	6.2	10	3.8	1.3	.57
16	.28	.19	.18	.17	.16	.15	.14	5.2	9.6	3.7	1.3	.54
17	.26	.19	.18	.17	.16	.15	.14	5.6	9.9	3.3	1.3	.53
18	.24	.19	.18	.17	.16	.15	.14	5.9	9.6	3.2	1.2	.53
19	.24	.19	.18	.17	.16	.15	.14	6.2	9.4	2.7	1.1	.49
20	.24	.19	.18	.17	.16	.15	.14	6.4	9.4	2.6	1.0	.49
21	.23	.19	.18	.17	.16	.15	.14	6.4	8.8	2.5	.96	.48
22	.35	.19	.18	.17	.16	.15	.14	5.1	8.6	2.4	.99	.45
23	.54	.19	.18	.17	.16	.15	.14	3.2	8.3	2.1	.96	.28
24	.46	.19	.18	.17	.16	.15	.14	3.0	8.6	2.0	.88	0
25	.40	.19	.18	.17	.16	.15	.14	4.5	9.4	1.9	.86	0
26	.37	.19	.18	.17	.16	.15	.14	5.5	9.6	1.8	.86	0
27	.59	.19	.18	.17	.16	.15	.14	5.8	8.8	1.7	.86	0
28	.45	.19	.18	.17	.16	.15	.14	5.7	6.5	1.6	.82	0
29	1.9	.19	.18	.17	---	.15	.14	5.1	2.0	1.6	.82	0
30	.99	.19	.18	.17	---	.15	.14	3.9	4.8	1.6	.82	0
31	.24	---	.18	.17	---	.15	---	4.1	---	1.5	.78	---
TOTAL	12.38	5.91	5.58	5.27	4.48	4.65	4.20	112.03	206.3	134.2	36.71	11.55
MEAN	.40	.20	.18	.17	.16	.15	.14	3.61	6.88	4.33	1.18	.39
MAX	1.9	.29	.18	.17	.16	.15	.14	7.8	10	8.7	1.5	.61
MIN	.23	.18	.18	.17	.16	.15	.14	.13	2.0	1.5	.78	0
AC-FT	25	12	11	10	8.9	9.2	8.3	222	409	266	73	23
CAL YR 1974	TOTAL 250.63	MEAN .69	MAX 4.7	MIN .18	AC-FT 497							
WTR YR 1975	TOTAL 543.26	MEAN 1.49	MAX 10	MIN 0	AC-FT 1080							

NOTE.--No gage-height record Nov. 7 to May 2.

GREEN RIVER BASIN

09217000 GREEN RIVER NEAR GREEN RIVER, WYO.

LOCATION.--Lat 41°30'59", long 109°26'54", in NW¼NE¼NE¼ sec.26, T.18 N., R.107 W., Sweetwater County, on right bank 0.1 mi (0.2 km) downstream from Bitter Creek, 1.0 mi (1.6 km) southeast of town of Green River, and 4.0 mi (6.4 km) upstream from high-water line of Flaming Gorge Reservoir.

DRAINAGE AREA.--About 10,000 mi² (25,900 km²), of which 300 mi² (777 km²) is probably noncontributing.

PERIOD OF RECORD.--April 1951 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,060 ft (1,847 m), from topographic map.

AVERAGE DISCHARGE.--24 years, 1,731 ft³/s (49.02 m³/s), 1,254,000 acre-ft/yr (1,550 hm³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 6,850 ft³/s (194 m³/s) July 9, gage height, 5.53 ft (1.685 m); maximum gage height, about 6.4 ft (1.95 m) Feb. 1 (backwater from ice and pipeline construction); minimum daily discharge, 650 ft³/s (18.4 m³/s) Dec. 9.

Period of record: Maximum discharge, 16,800 ft³/s (476 m³/s) Sept. 7, 1965, gage height, 8.53 ft (2.600 m), caused by emergency release from Fontenelle Reservoir; minimum daily, 170 ft³/s (4.81 m³/s) Nov. 16, 1955.

Maximum discharge observed, 22,200 ft³/s (629 m³/s) June 19, 1918, at site 1.5 mi (2.4 km) upstream.

REMARKS.--Records fair except those for winter period, which are poor. Some regulation by Fontenelle Reservoir since August 1963. (See sta 09211150.) Natural flow of stream affected by transbasin diversions, storage reservoirs, power development, and diversions for irrigation of about 223,000 acres (902 km²) above station. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 1713: 1957.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	708	908	985	990	1000	1010	1020	1540	2660	6060	3840	1250
2	715	857	985	1000	1020	1010	988	1480	2740	6100	3730	1260
3	722	848	990	1000	1020	1010	997	1480	2700	6130	3660	1290
4	832	848	990	1000	1030	1020	1010	1450	2620	6220	3500	1290
5	988	848	988	990	1030	1010	1010	1520	2610	6320	3310	1280
6	979	848	970	990	1040	1010	1010	1550	2580	6420	3120	1250
7	988	848	950	990	1040	1000	1020	1540	3510	6440	2910	1250
8	997	848	866	980	1040	1010	1010	1730	3780	6730	2700	1250
9	979	848	650	950	1030	1020	997	1900	3770	6680	2520	1230
10	961	848	750	930	1030	1010	997	1860	4790	6180	2340	1120
11	961	840	950	950	1030	1010	997	1780	5910	5220	2200	1130
12	943	848	960	980	1030	1020	997	1810	5960	4790	2110	1160
13	961	840	960	1000	1040	1020	988	1810	5860	4680	2010	1160
14	952	840	960	1010	1030	1020	988	1810	5740	4700	1950	1140
15	952	857	960	1020	1030	1010	1010	1730	5720	5000	1900	1140
16	943	857	970	1020	1030	1000	1040	1710	5720	4220	1860	1020
17	943	866	970	1050	1030	1000	1080	1730	5740	3330	1810	866
18	934	874	980	1050	1030	1000	1050	1710	5940	3440	1790	722
19	934	899	980	1040	1030	1000	1030	1710	5860	4190	1740	730
20	943	970	980	1040	1030	1010	1020	1990	5940	5240	1730	792
21	943	979	1000	1030	1030	1010	1030	1990	5980	6080	1710	792
22	952	988	1000	1020	1040	1000	1110	1970	5960	6320	1660	784
23	961	997	1000	1020	1020	1010	1250	2770	5890	6270	1650	776
24	952	988	1000	1020	1000	1020	1470	3070	5890	6080	1620	752
25	943	988	990	1020	1020	1020	1660	2940	5860	5770	1620	752
26	943	988	990	1020	1030	1030	1700	2880	5860	5360	1470	738
27	934	990	990	1030	1020	1030	1700	2820	5840	4950	1280	848
28	934	990	990	1030	1020	1030	1720	2770	5890	4570	1240	840
29	943	985	980	1020	---	1020	1620	2770	5940	4240	1250	816
30	997	980	980	990	---	1020	1550	2700	6030	4080	1260	808
31	961	---	980	990	---	1020	---	2670	---	3900	1260	---
TOTAL	28798	27113	29694	31170	28770	31410	35069	63190	149290	165710	66750	30236
MEAN	929	904	958	1005	1028	1013	1169	2038	4976	5345	2153	1008
MAX	997	997	1000	1050	1040	1030	1720	3070	6030	6730	3840	1290
MIN	708	840	650	930	1000	1000	988	1450	2580	3330	1240	722
AC-FT	57120	53780	58900	61830	57070	62300	69560	125300	296100	328700	132400	59970
CAL YR 1974 TOTAL	753359			2064	9020	650	AC-FT	1494000				
WTR YR 1975 TOTAL	687200			1883	6730	650	AC-FT	1363000				

GREEN RIVER BASIN

41

09217900 Blacks Fork near Robertson, Wyo.

LOCATION.--Lat 40°57'53", long 110°34'38", in NW¼SW¼ sec.27, T.3 N., R.12 E., Summit County, Utah, on left bank 1 mile (2 km) downstream from East Fork, 2.5 miles (4.0 km) south of Utah-Wyoming State line, and 17 miles (27 km) south of Robertson.

DRAINAGE AREA.--130 mi² (337 km²), approximately.

PERIOD OF RECORD.--October 1937 to July 1939 (published as "at Blacks Fork Ranger Station"), July 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 8,803.8 ft (2,683.40 m) above mean sea level (levels by Bureau of Reclamation). Prior to July 29, 1966, water-stage recorder at site 0.5 mile (0.8 km) downstream at different datum.

AVERAGE DISCHARGE.--10 years (1938, 1966-75), 174 ft³/s (4.92 m³/s), 126,100 acre-ft/yr (155 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2160 ft³/s (61.2 m³/s) July 11 (gage height, 3.92 ft or 1.195 m); minimum, 15 ft³/s (0.42 m³/s) Feb. 10, 11.
Period of record: Maximum discharge, 2,160 ft³/s (61.2 m³/s) June 6, 1968, July 11, 1975; maximum gage height, 4.91 ft (1.500 m) June 6, 1968; minimum indicated, 13 ft³/s (0.37 m³/s) Feb. 25, 1968.

REMARKS.--Records good except those for the winter period, which are fair. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	36	29	27	18	18	18	22	362	1410	384	82
2	34	40	29	26	18	18	18	22	510	1500	333	83
3	34	37	31	25	16	18	18	23	596	1540	301	79
4	38	40	31	25	17	18	18	23	613	1500	277	77
5	43	38	31	25	17	18	18	22	766	1470	259	74
6	40	36	31	25	16	18	18	21	925	1440	248	72
7	41	34	33	25	16	18	18	21	1050	1450	243	70
8	40	32	33	25	16	18	18	24	1220	1420	233	69
9	38	30	33	25	16	18	18	28	996	1410	217	69
10	36	30	33	25	15	18	18	33	687	1260	207	80
11	35	30	33	24	15	16	18	42	662	1400	197	81
12	34	30	33	24	16	16	18	45	787	1350	199	86
13	34	30	33	24	16	16	18	46	1010	1250	194	96
14	34	30	33	23	16	16	20	62	1410	1150	182	85
15	33	28	33	23	16	16	20	86	1560	1100	167	79
16	34	28	31	23	16	16	21	128	1520	1280	155	71
17	34	28	31	22	17	18	21	176	1180	1060	145	66
18	33	27	31	22	16	20	20	234	1010	868	137	61
19	32	27	31	20	17	20	19	358	766	793	132	59
20	33	27	31	19	17	20	19	335	643	717	142	59
21	35	27	31	19	17	20	20	257	602	648	140	58
22	35	27	31	20	17	18	20	213	544	622	134	56
23	40	27	31	20	17	18	20	186	602	589	120	54
24	38	27	31	19	17	18	21	189	780	541	113	53
25	35	29	31	19	17	20	22	216	949	493	108	52
26	34	29	29	19	17	20	22	220	752	461	104	51
27	35	29	29	19	17	20	21	231	851	427	100	49
28	39	29	29	19	17	18	21	202	1050	415	97	49
29	37	29	29	19	---	18	21	196	1180	444	92	47
30	34	29	29	19	---	18	21	224	1320	628	89	46
31	35	---	29	18	---	18	---	276	---	468	85	---
TOTAL	1112	920	963	687	463	560	583	4161	26903	31104	5534	2013
MEAN	35.9	30.7	31.1	22.2	16.5	18.1	19.4	134	897	1003	179	67.1
MAX	43	40	33	27	18	20	22	358	1560	1540	384	96
MIN	32	27	29	18	15	16	18	21	362	415	85	46
AC-FT	2210	1820	1910	1360	918	1110	1160	8250	53360	61690	10980	3990
CAL YR 1974	TOTAL	56686	MEAN	155	MAX	1670	MIN	26	AC-FT	112400		
WTR YR 1975	TOTAL	75003	MEAN	205	MAX	1560	MIN	15	AC-FT	148800		

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-8	1800	3.19	1380	7-4	2400	3.67	1880
6-16	0100	3.70	1910	7-11	2100	3.92	2160
6-24	2300	2.87	1120				

GREEN RIVER BASIN

09218500 BLACKS FORK NEAR MILLBURNE, WYO.

LOCATION.--Lat 41°01'54", long 110°34'43", in NW¼NE¼SW¼ sec.11, T.12 N., R.117 W., Uinta County, on left bank 0.4 mi (0.6 km) downstream from Meeks Cabin Dam, 2.7 mi (4.3 km) north of Utah-Wyoming State line, and 17 mi (27.4 km) southwest of Millburne.

DRAINAGE AREA.--152 mi² (394 km²).

PERIOD OF RECORD.--July 1939 to current year. Monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Datum of gage is 8,512.27 ft (2,594.540 m) above mean sea level (Bureau of Reclamation bench mark). Prior to Oct. 1, 1971, at several sites about 2.0 mi (3.2 km) downstream at various datums.

AVERAGE DISCHARGE.--36 years, 162 ft³/s (4.588 m³/s), 117,400 acre-ft/yr (145 hm³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 1,960 ft³/s (55.5 m³/s) July 5, gage height, 4.79 ft (1.460 m); minimum daily, 21 ft³/s (0.59 m³/s) May 7-15.

Period of record: Maximum discharge, 2,530 ft³/s (71.6 m³/s) June 7, 1957, from rating curve extended above 1,500 ft³/s (42.5 m³/s); maximum gage height, 6.46 ft (1.969 m) in gage well, 6.76 ft (2.060 m) from floodmarks, June 12, 1965, site and datum then in use; minimum daily discharge, 3.7 ft³/s (0.10 m³/s) Nov. 12, 1970, due to regulation by Meeks Cabin Dam.

REMARKS.--Records fair. Flow completely regulated by Meeks Cabin Reservoir, capacity, 32,470 acre-ft (40.0 hm³), since June 1971. No diversion above station.

REVISIONS (WATER YEARS).--WSP 929: 1940.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	39	38	26	26	25	27	26	255	860	517	174
2	51	39	38	26	26	25	27	23	259	1240	517	120
3	51	39	38	26	26	25	26	22	259	1570	504	86
4	51	39	38	26	26	26	26	22	326	1760	413	86
5	51	39	38	26	26	26	26	22	468	1740	295	86
6	51	39	38	26	26	26	26	22	566	1500	295	86
7	51	39	38	26	26	26	26	21	580	1550	300	86
8	51	39	38	26	26	27	26	21	604	1580	304	86
9	47	39	37	26	26	27	26	21	620	1650	304	122
10	46	39	38	26	26	27	26	21	705	1550	304	148
11	50	39	38	26	26	27	25	21	750	1410	260	148
12	50	39	38	26	26	27	25	21	759	1510	191	148
13	50	39	38	27	26	27	25	21	795	1370	194	148
14	50	39	38	27	27	27	24	21	804	1270	194	148
15	50	39	38	26	27	27	24	21	831	1120	194	148
16	50	39	38	26	26	26	25	55	951	1170	194	148
17	50	39	38	26	26	26	25	89	850	1200	194	148
18	50	39	38	26	26	26	25	91	1130	973	194	145
19	50	39	33	26	26	26	25	162	1060	831	197	145
20	50	39	26	26	26	26	25	230	1130	768	197	145
21	44	39	26	26	26	26	26	230	1150	705	197	145
22	35	39	26	26	26	26	26	230	1220	669	197	145
23	35	39	26	26	25	26	26	230	1150	628	197	145
24	35	39	26	26	25	27	26	230	1050	628	197	145
25	34	39	26	26	25	27	26	230	940	612	197	145
26	34	38	26	26	25	27	26	230	870	612	197	145
27	34	38	26	26	25	27	26	233	777	620	180	145
28	34	38	26	26	25	27	26	247	723	644	177	145
29	36	38	26	26	---	27	26	287	741	669	174	166
30	38	38	26	26	---	27	26	267	759	580	171	191
31	39	---	26	26	---	27	---	255	---	510	171	---
TOTAL	1416	1165	1028	808	724	820	770	3622	23082	33499	7817	4068
MEAN	45.7	38.8	33.2	26.1	25.9	26.5	25.7	117	769	1081	252	136
MAX	68	39	38	27	27	27	27	287	1220	1760	517	191
MIN	34	38	26	26	25	25	24	21	255	510	171	86
AC-FT	2810	2310	2040	1600	1440	1630	1530	7180	45780	66450	15510	8070
CAL YR 1974	TOTAL	65672	MEAN 180	MAX 1430	MIN 26	AC-FT 130300						
WTR YR 1975	TOTAL	78819	MEAN 216	MAX 1760	MIN 21	AC-FT 156300						

GREEN RIVER BASIN

43

09220000 EAST FORK OF SMITH FORK NEAR ROBERTSON, WYO.

LOCATION.--Lat 41°03'15", long 110°23'52", in NE¼NW¼NE¼ sec.5, T.12 N., R.115 W., Uinta County, Wasatch National Forest, on left bank 60 ft (18 m) downstream from bridge, 1.0 mi (1.6 km) upstream from Gilbert Creek, and 9.0 mi (14.5 km) south of Robertson.

DRAINAGE AREA.--53.0 mi² (137.3 km²).

PERIOD OF RECORD.--July 1939 to current year (no winter records since 1971). Monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Altitude of gage is 8,470 ft (2,582 m), from topographic map. Prior to July 12, 1957, at datum 3.96 ft (1.207 m) higher.

AVERAGE DISCHARGE.--32 years (1939-71), 47.1 ft³/s (1.334 m³/s), 34,120 acre-ft/yr (42.1 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 862 ft³/s (24.4 m³/s) June 16, gage height, 6.19 ft (1.887 m); minimum daily during period of operation, 7.5 ft³/s (0.21 m³/s) May 1.

Period of record: Maximum discharge, 1,450 ft³/s (41.1 m³/s) June 10, 1965, gage height, 6.75 ft (2.057 m); no flow part of each day Apr. 17-22, 24, 25, 1950; minimum gage height, 3.26 ft (0.994 m), present datum, Apr. 22, 1950.

REMARKS.--Records fair. No diversion above station.

COOPERATION.--Records collected and computed by Office of the Wyoming State Engineer and reviewed by Geological Survey.

REVISIONS.--WSP 979: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								7.5	153	605	131	26
2								8.0	172	633	110	26
3								8.0	221	612	95	25
4								11	230	668	87	25
5								11	292	654	78	24
6								10	332	647	74	23
7								11	395	605	72	22
8								12	430	522	68	22
9								15	400	505	64	22
10								18	280	540	60	24
11								22	227	405	60	24
12								24	256	455	63	26
13								26	324	385	61	29
14								35	485	385	60	33
15								44	661	352	58	27
16								59	682	450	52	24
17								65	516	390	44	22
18								89	385	288	45	20
19								137	320	270	43	20
20								115	259	245	46	20
21								83	245	224	45	20
22								74	224	239	44	20
23								64	230	206	41	20
24								68	276	188	40	19
25								82	360	175	37	18
26								83	296	158	36	18
27								83	328	144	33	17
28								76	405	139	33	16
29								70	475	139	30	17
30								77	540	203	29	16
31								110	---	172	28	---
TOTAL								1597.5	10399	11603	1771	674
MEAN								51.5	347	374	57.1	22.5
MAX								137	682	668	131	33
MIN								7.5	153	139	28	16
AC-FT								3170	20630	23010	3510	1340

PEAK DISCHARGE (BASE, 300 FT³/S)

DATE	TIME	G.HT.	DISCHARGE
6- 8	2400	5.61	505
6-16	0330	6.19	862
7- 4	0630	6.15	830

GREEN RIVER BASIN

09220500 WEST FORK OF SMITH FORK NEAR ROBERTSON, WYO.

LOCATION.--Lat 41°01'20", long 110°28'43", in SE¼NW¼NW¼ sec.15, T.12 N., R.116 W., Uinta County, Wasatch National Forest, on left bank 0.8 mi (1.3 km) downstream from Archie Creek and 11.6 mi (18.7 km) southwest of Robertson.

DRAINAGE AREA.--37.2 mi² (96.3 km²).

PERIOD OF RECORD.--July 1939 to current year (no winter records since 1971). Monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Datum of gage is 8,615.0 ft (2,625.85 m) above mean sea level. July 13, 1939, to Aug. 16, 1949, at site 75 ft (23 m) upstream at datum 2.00 ft (0.610 m) higher; Aug. 17, 1949, to June 13, 1965, at present site at datum 2.00 ft (0.610 m) higher.

AVERAGE DISCHARGE.--32 years (1939-71), 21.5 ft³/s (0.609 m³/s), 15,580 acre-ft/yr (19.2 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 762 ft³/s (21.6 m³/s) June 14, gage height, 3.50 ft (1.067 m); minimum daily during period of operation, 2.6 ft³/s (0.07 m³/s) Sept. 7.

Period of record: Maximum discharge, 2,100 ft³/s (59.5 m³/s) June 10, 1965, gage height, 3.20 ft (0.975 m), in gage well, 3.60 ft (1.097 m), from floodmarks, datum then in use; minimum observed, 0.2 ft³/s (0.006 m³/s) Aug. 13, 1940, Feb. 25, 1941 (discharge measurement).

REMARKS.--Records poor. No diversion above station.

COOPERATION.--Records collected and computed by Office of the Wyoming State Engineer and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 929: 1940. WSP 1343, 1733: 1943.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								5.2	97	142	20	3.2
2								5.7	155	138	16	3.2
3								6.3	178	135	14	3.2
4								7.0	192	128	12	3.6
5								7.9	292	120	12	3.1
6								7.5	338	133	11	3.1
7								8.2	362	135	9.8	2.6
8								9.5	399	148	8.7	3.0
9								12	240	124	8.4	3.4
10								15	135	90	9.1	7.7
11								16	142	86	8.4	8.4
12								16	240	86	11	6.2
13								17	404	72	11	11
14								19	471	67	10	11
15								25	430	63	8.7	7.6
16								42	338	72	8.1	5.9
17								44	219	62	6.7	4.6
18								70	204	46	5.7	3.6
19								80	170	39	5.7	3.6
20								50	160	36	7.0	3.7
21								30	168	34	8.7	3.7
22								26	138	34	8.4	3.9
23								19	135	30	6.5	3.9
24								27	170	27	5.0	3.7
25								36	165	24	4.8	3.9
26								38	122	22	4.6	4.1
27								41	130	21	4.4	3.7
28								32	152	24	4.1	3.4
29								33	155	26	3.9	3.7
30								42	152	32	3.7	4.1
31								61	---	24	3.4	---
TOTAL								848.3	6653	2220	260.8	139.8
MEAN								27.4	222	71.6	8.41	4.66
MAX								80	471	148	20	11
MIN								5.2	97	21	3.4	2.6
AC-FT								1690	13200	4400	517	277

PEAK DISCHARGE (BASE, 280 FT³/S)

DATE	TIME	G.H.T.	DISCHARGE
6-8	1930	3.35	575
6-14	1930	3.50	762

GREEN RIVER BASIN

45

09228500 BURNT FORK NEAR BURNTFORK, WYO.

LOCATION.--Lat 40°56'47", long 110°03'56", in NE¼SE¼SE¼ sec.36, T.3 N., R.16 E., Summit County, Utah, Wasatch National Forest, on left bank 0.6 mi (1.0 km) west of forest boundary and 6.5 mi (10.5 km) southwest of Burntfork.

DRAINAGE AREA.--52.8 mi² (136.8 km²).

PERIOD OF RECORD.--April 1943 to current year (no winter records since 1971). Monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Altitude of gage is 8,430 ft (2,569 m), from topographic map. Prior to June 10, 1965, water-stage recorder at site 0.5 mi (0.8 km) downstream at different datum. June 10 to Oct. 5, 1965, water-stage recorder at site 400 ft (122 m) downstream at different datum.

AVERAGE DISCHARGE.--28 years (1943-71), 31.1 ft³/s (0.881 m³/s), 22,530 acre-ft/yr (27.8 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 436 ft³/s (12.3 m³/s) July 4, gage height, 3.53 ft (1.076 m); minimum daily during period of operation, 3.3 ft³/s (0.09 m³/s) May 1.

Period of record: Maximum discharge, 3,200 ft³/s (90.6 m³/s) June 10, 1965 (gage height, not determined), from slope-area measurement of peak flow; minimum daily, 0.65 ft³/s (0.018 m³/s) Mar. 31, 1967.

REMARKS.--Records poor. Flow is partially regulated by Island Lake, capacity, 797 acre-ft (0.983 hm³), and Beaver Meadows Reservoir, capacity, 1,722 acre-ft (2.12 hm³). Diversion out of basin above station into Hoop Lake, capacity, 3,920 acre-ft (4.83 hm³).

COOPERATION.--Records collected and computed by Office of the Wyoming State Engineer and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1243: 1944.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								3.3	38	274	80	22
2								3.6	44	301	74	22
3								4.0	51	337	68	21
4								4.8	60	325	59	21
5								5.0	86	328	46	20
6								4.6	125	307	42	19
7								4.9	149	337	48	19
8								5.5	167	304	42	18
9								6.7	153	295	40	18
10								8.4	112	262	58	21
11								11	96	253	57	22
12								12	116	235	60	23
13								13	174	181	64	24
14								18	271	172	74	24
15								25	307	165	54	22
16								30	301	230	50	21
17								40	265	215	46	19
18								46	205	172	46	19
19								58	147	149	44	18
20								46	118	123	46	18
21								33	110	103	44	18
22								33	107	100	42	18
23								32	116	95	42	18
24								33	170	88	40	17
25								34	218	81	38	16
26								33	188	75	38	16
27								35	210	69	36	16
28								33	232	67	36	15
29								28	225	62	33	15
30								32	277	75	33	14
31								33	---	80	31	---
TOTAL								708.8	4838	5860	1511	574
MEAN								22.9	161	189	48.7	19.1
MAX								58	307	337	80	24
MIN								3.3	38	62	31	14
AC-FT								1410	9600	11620	3000	1140

GREEN RIVER BASIN

09229500 HENRYS FORK NEAR MANILA, UTAH

LOCATION.--Lat 41°00'45", long 109°40'20", in NW¼NW¼ sec.23, T.12 N., R.109 W., Sweetwater County, Wyoming, on right bank 0.8 mi (1.3 km) north of Wyoming-Utah State line, 1.3 mi (2.1 km) upstream from normal high-water line of Flaming Gorge Reservoir at elevation 6,045 ft (1,843 m), and 3.0 mi (4.8 km) northeast of Manila, Utah.

DRAINAGE AREA.--520 mi² (1,350 km²), approximately.

PERIOD OF RECORD.--October 1928 to current year. Prior to October 1971, published as "at Linwood, Utah."

GAGE.--Water-stage recorder. Altitude of gage is 6,060 ft (1,847 m), from topographic map. Prior to Oct. 1, 1957, nonrecording gages or water-stage recorder at several sites about 2.0 mi (3.2 km) downstream at various datums. Oct. 1, 1957, to July 7, 1965, and July 8 to Dec. 2, 1965, water-stage recorders at sites about 1.0 mi (1.6 km) upstream at different datums.

AVERAGE DISCHARGE.--47 years, 84.6 ft³/s (2.396 m³/s), 61,290 acre-ft/yr (75.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,640 ft³/s (46.4 m³/s) June 19, gage height, 6.02 ft (1.835 m); minimum daily, 3.0 ft³/s (0.085 m³/s) Oct. 19.

Period of record: Maximum discharge determined, 6,750 ft³/s (191 m³/s) Aug. 3, 1936, gage height, 7.19 ft (2.192 m), site and datum then in use, from floodmarks, from rating curve extended above 570 ft³/s (16.1 m³/s) on basis of slope-area measurement of peak flow; higher discharge occurred July 15, 1959, gage height, 9.42 ft (2.871 m), discharge not determined; no flow for several days in 1933-35, 1939-40.

REMARKS.--Records good except those for winter period, which are poor. Peoples Irrigation Canal diverts 5.9 mi (9.5 km) upstream. Natural flow of stream affected by transbasin diversions, small storage reservoirs, diversions for irrigation, and return flow from irrigated areas. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 1443: 1955.

DISCHARGE. IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	30	40	29	31	54	45	38	168	916	205	30
2	12	32	45	27	33	58	47	40	151	976	180	29
3	13	34	49	28	34	64	42	40	188	1010	154	22
4	4.2	30	52	30	32	63	54	47	235	1140	148	16
5	6.4	29	54	32	31	61	61	65	256	1300	139	12
6	6.9	27	56	33	30	64	63	63	364	1280	112	9.7
7	6.9	25	56	33	31	67	60	58	520	1120	97	9.1
8	6.9	27	52	32	33	65	44	56	778	1020	77	9.3
9	4.4	32	51	32	35	63	45	61	778	988	63	9.1
10	4.4	38	49	31	34	62	52	56	736	964	51	8.9
11	6.9	36	52	30	32	60	54	51	544	814	51	8.5
12	6.9	39	54	30	33	52	51	56	370	778	56	24
13	5.4	45	56	29	34	51	51	63	388	790	87	26
14	4.4	49	54	31	35	56	58	54	610	808	91	32
15	5.4	45	52	33	36	56	58	58	982	724	110	28
16	6.9	47	54	35	35	51	65	67	1210	784	108	25
17	11	41	52	34	33	58	73	77	1290	880	91	20
18	3.6	40	49	35	32	51	69	91	1280	664	75	17
19	3.0	39	50	36	32	63	58	85	1400	544	67	18
20	3.6	38	52	35	33	73	58	133	1010	496	56	22
21	4.0	40	54	33	31	71	58	157	700	484	61	22
22	4.9	43	48	32	29	60	63	205	556	556	60	24
23	11	39	43	31	31	49	67	346	496	538	63	25
24	28	38	39	33	35	49	60	502	496	424	54	25
25	38	38	37	35	39	49	52	604	556	352	49	26
26	32	37	35	33	43	49	61	316	580	292	54	26
27	34	37	33	31	46	47	54	200	520	250	56	29
28	38	36	32	29	49	40	44	286	586	240	52	28
29	40	35	32	28	---	51	42	406	736	230	44	29
30	35	36	33	29	---	58	37	364	838	215	38	28
31	28	---	32	30	---	56	---	196	---	230	34	---
TOTAL	427.1	1102	1447	979	962	1771	1646	4841	19322	21807	2583	637.6
MEAN	13.8	36.7	46.7	31.6	34.4	57.1	54.9	156	644	703	83.3	21.3
MAX	40	49	56	36	49	73	73	604	1400	1300	205	32
MIN	3.0	25	32	27	29	40	37	38	151	215	34	8.5
AC-FT	847	2190	2870	1940	1910	3510	3260	9600	38330	43250	5120	1260
CAL YR 1974 TOTAL	23206.6			63.6		688		1.8	46030			
WTR YR 1975 TOTAL	57524.7			158		1400		3.0	114100			

09234400 Flaming Gorge Reservoir at Flaming Gorge Dam, Utah

LOCATION.--Lat 40°54'23", long 109°25'15", in NW¼NE¼ sec.15, T.2 N., R.22 E., Daggett County, at Flaming Gorge Dam on Green River, 1.8 miles (2.9 km) southwest of Dutch John, and 4.9 miles (7.9 km) northeast of Greendale.

DRAINAGE AREA.--15,100 mi² (39,100 km²), approximately.

PERIOD OF RECORD.--November 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929 (levels by Bureau of Reclamation). Prior to Jan. 1, 1964 on left bank 600 ft (180 m) upstream from face of dam.

EXTREMES.--Current year: Maximum contents observed, 3,753,000 acre-ft (4,630 hm³) July 31 (elevation, 6,040.09 ft or 1,841.019 m); minimum observed, 3,066,000 acre-ft (3,780 hm³) Mar. 19, 20 (elevation, 6,022.50 ft or 1,835.658 m).

Period of record: Maximum contents observed, 3,753,000 acre-ft (4,630 hm³) July 31, 1975 (elevation, 6,040.09 ft or 1,841.019 m); minimum, 582,900 acre-ft (719 hm³), Apr. 26, 1965.

REMARKS.--Records excellent. Reservoir is formed by concrete arch-type dam; storage began Nov. 1, 1962; mass concrete of dam completed Nov. 15, 1962. Total capacity, 3,789,000 acre-ft (4,670 hm³), consisting of the following: Dead storage, 39,700 acre-ft (49.0 hm³) below elevation 5,740 ft (1,750 m); inactive storage, 233,500 acre-ft (288 hm³) between elevations 5,740 (1,750 m) and 5,871 ft (1,789 m); usable contents, 3,516,000 acre-ft (4,340 hm³) between elevations 5,871 (1,789 m) and 6,040 ft (1,841 m) (top of conservation pool). Reservoir is used for flood control, storage replacement to meet downstream requirements under the Colorado River Compact of 1922, and power development. Figures given herein represent usable contents.

COOPERATION.--Records furnished by Bureau of Reclamation.

Capacity table (elevation, in feet, and usable contents, in acre-feet)

6,020	2,977,000	6,030	3,346,000
6,025	3,157,000	6,035	3,543,000
		6,040	3,749,000

CONTENTS, IN THOUSANDS OF ACRE-Feet, AT 2400, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3579	3447	3354	3258	3176	3081	3072	3103	3245	3552	3752	3689
2	3575	3443	3351	3255	3175	3081	3072	3104	3248	3561	3751	3686
3	3570	3441	3347	3251	3173	3081	3070	3104	3250	3572	3751	3686
4	3566	3435	3344	3248	3171	3079	3072	3109	3253	3584	3751	3682
5	3564	3432	3341	3244	3168	3078	3074	3113	3257	3595	3750	3682
6	3562	3428	3338	3240	3165	3077	3075	3115	3260	3608	3748	3682
7	3558	3424	3335	3236	3162	3076	3075	3116	3267	3620	3745	3682
8	3554	3420	3332	3233	3159	3077	3076	3117	3277	3632	3742	3681
9	3551	3416	3329	3230	3157	3077	3076	3120	3287	3645	3740	3679
10	3547	3413	3326	3227	3154	3076	3077	3122	3299	3656	3736	3678
11	3543	3409	3323	3223	3151	3076	3078	3125	3311	3662	3733	3676
12	3539	3406	3320	3219	3147	3074	3079	3128	3323	3670	3733	3674
13	3535	3403	3317	3215	3143	3073	3079	3131	3334	3677	3732	3674
14	3531	3399	3313	3211	3139	3072	3079	3133	3345	3683	3730	3673
15	3527	3396	3312	3208	3135	3071	3078	3138	3357	3691	3726	3673
16	3522	3393	3307	3206	3131	3071	3078	3141	3369	3697	3723	3671
17	3517	3392	3303	3202	3127	3069	3079	3143	3383	3701	3721	3671
18	3512	3389	3299	3201	3122	3069	3081	3145	3400	3704	3717	3671
19	3508	3385	3296	3201	3118	3066	3082	3148	3416	3709	3713	3668
20	3504	3382	3293	3200	3114	3066	3083	3157	3430	3716	3711	3667
21	3501	3378	3291	3199	3109	3067	3083	3164	3449	3721	3711	3666
22	3496	3376	3290	3195	3103	3068	3084	3172	3465	3728	3708	3664
23	3491	3374	3286	3193	3099	3069	3085	3182	3477	3735	3705	3662
24	3487	3375	3281	3192	3094	3070	3087	3194	3490	3740	3704	3659
25	3481	3371	3280	3191	3091	3071	3090	3205	3500	3744	3703	3657
26	3475	3368	3276	3191	3088	3072	3093	3214	3509	3747	3702	3655
27	3472	3365	3273	3190	3084	3073	3096	3221	3518	3747	3700	3654
28	3467	3364	3269	3187	3081	3070	3098	3231	3526	3750	3699	3653
29	3465	3360	3268	3184	---	3069	3100	3234	3535	3751	3696	3651
30	3458	3357	3264	3180	---	3070	3101	3237	3543	3752	3691	3650
31	3453	---	3262	3178	---	3072	---	3241	---	3753	3691	---
MAX	3579	3447	3354	3258	3176	3081	3101	3241	3543	3753	3752	3689
MIN	3453	3357	3262	3178	3081	3066	3070	3103	3245	3552	3691	3650
(†)	6,032.83	6,030.28	6,027.80	6,025.55	6,022.92	6,022.66	6,023.45	6,027.24	6,034.98	6,040.09	6,038.60	6,037.62
(‡)	-130	-96	-95	-84	-97	-9	+29	+140	+307	+210	-62	-41
CAL YR 1974.												
WTR YR 1975.												

† Elevation, in feet, at end of month

‡ Change in contents, in thousands of acre-feet

GREEN RIVER BASIN

09234500 Green River near Greendale, Utah

LOCATION.--Lat 40°54'30", long 109°25'20", in NW¼SE¼ sec.15, T.2 N., R.22 E., Daggett County, Ashley National Forest on right bank 0.5 mile (0.8 km) downstream from Flaming Gorge Dam, 2 miles (3 km) south of Dutch John, 4 miles (6 km) northeast of Greendale, and 407.0 miles (654.9 km) from mouth.

DRAINAGE AREA.--15,100 mi² (39,110 km²), approximately.

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,594.48 ft (1,705.20 m) above mean sea level. Prior to Sept. 2, 1959, water-stage recorder at site 2.2 miles (3.5 km) upstream at different datum.

AVERAGE DISCHARGE.--25 years, 2,048 ft³/s (58.0 m³/s), 1,484,000 acre-ft/yr (1.83 km³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 5,170 ft³/s (146 m³/s) July 7 (gage height, 6.80 ft or 2.073 m); minimum, 194 ft³/s (5.49 m³/s) Feb. 19.

Period of record: Maximum discharge, 19,600 ft³/s (555 m³/s) June 12, 1957 (gage height, 10.60 ft or 3.231 m, site and datum then in use); minimum, 2.3 ft³/s (0.065 m³/s) Mar. 20, 22, 27, 28, 1963 (regulated).

REMARKS.--Records good. Transbasin diversions and diversions for irrigation above station. Flow completely regulated by Flaming Gorge Reservoir 0.5 mile (0.8 km) upstream, since Nov. 1, 1962 (see sta 09234400). Records of chemical analysis and water temperatures for the water year 1975 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2240	3910	2450	2640	1810	1890	1440	954	3150	4280	4310	1950
2	2180	3100	2320	2690	1200	1180	1060	874	3230	4290	4310	2690
3	2770	2280	2690	3170	2500	2150	1920	875	4230	4280	4310	1450
4	2720	3220	2540	2800	2680	2170	854	874	3610	4280	4320	2300
5	2690	2470	2700	2720	2910	2180	854	876	3150	4280	4330	1310
6	2030	2950	2520	2810	3050	2080	853	876	3260	4280	4330	1200
7	2780	2990	2430	3040	2720	2000	1050	1860	2970	4250	4230	1640
8	2790	2800	2040	2970	2850	1180	1060	2040	2830	4180	4070	1970
9	2690	2780	2200	2740	1570	1960	890	866	3150	3940	4030	1950
10	2640	2330	2330	2860	2490	2030	867	864	2390	4140	3970	2230
11	2700	2650	2290	3320	2770	2070	866	864	2420	4160	3990	1840
12	2650	2310	2310	2930	3280	2080	864	865	2530	4170	3020	1760
13	2580	2410	2380	2790	3430	2150	903	927	2820	4180	2780	1230
14	2460	2360	2320	2550	3400	2100	1660	863	3840	4180	3310	1930
15	2880	2230	2210	2630	3440	1810	1780	863	3840	4190	3310	1210
16	3260	2390	2930	2310	3420	1390	1250	863	3840	4200	3250	1130
17	3500	1790	2770	2540	3370	1930	864	1950	3300	4230	3310	1190
18	3620	2350	3000	1430	3660	1950	866	2510	3620	4210	3390	1170
19	2850	2500	2500	1040	3620	2010	884	2510	3870	4220	3510	1280
20	2520	2850	2260	2300	3920	1550	867	2090	3730	4230	2570	1090
21	2900	2210	1740	2510	3720	1160	1340	1200	1800	4240	2310	1130
22	3440	1930	1520	2730	3650	809	916	1230	2960	4250	2730	1640
23	3280	2140	2650	2360	3070	810	1180	1210	3830	4330	2810	1570
24	3300	919	3170	2440	3090	1230	870	1190	3770	4560	1890	2240
25	3680	2600	992	1180	2610	966	869	1180	4110	5010	2120	1520
26	3800	2610	2930	1090	2820	838	872	1160	4220	5000	1930	1800
27	2770	2210	2430	2320	2990	885	924	1900	4290	5010	1820	1140
28	3250	1710	2900	2770	2310	2260	873	1180	4280	4560	1870	1120
29	3120	2760	1950	2820	---	952	1000	2550	4280	4290	2660	1610
30	3390	2520	2510	2780	---	853	874	3320	4290	4310	2520	1150
31	3290	---	2790	2490	---	923	---	3260	---	4300	2460	---
TOTAL	90770	74279	74772	77770	82350	49546	31370	44644	103610	134030	99770	47440
MEAN	2928	2476	2412	2509	2941	1598	1046	1440	3454	4324	3218	1581
MAX	3800	3910	3170	3320	3920	2260	1920	3320	4290	5010	4330	2690
MIN	2030	919	992	1040	1200	809	853	863	1800	3940	1820	1090
AC-FT	140000	147300	148300	154300	163300	98270	62720	88550	205500	265800	197900	94100
CAL YR 1974	TOTAL	724745	MEAN	1986	MAX	4430	MIN	788	AC-FT	1438000		
WTR YR 1975	TOTAL	910351	MEAN	2494	MAX	5010	MIN	809	AC-FT	1806000		

GREEN RIVER BASIN

49

09234700 Red Creek near Dutch John, Utah

LOCATION.--Lat 40°58'11", long 109°14'12", in SE¼NW¼ sec.29, T.3 N., R.24 E., Daggett County, on right bank 0.5 mile (0.8 km) downstream from Clay Basin Creek, 7.4 miles (11.9 km) upstream from mouth, and 9.0 miles (14.5 km) east of Dutch John.

DRAINAGE AREA.--140 mi² (363 km²).

PERIOD OF RECORD.--February 1971 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,180 ft (1,884 m) from topographic map.

EXTREMES.--Maximum discharge during year, 793 ft³/s (22.5 m³/s) July 16 (gage height, 2.87 ft or 0.875 m), from rating table extended above 35 ft³/s (0.99 m³/s) on basis of area-velocity study; minimum observed, 0.11 ft³/s (0.003 m³/s) Jan. 14.

Period of record: Maximum discharge, 793 ft³/s (22.5 m³/s) July 16, 1975 (gage height, 2.87 ft or 0.875 m), from rating table extended above 35 ft³/s (0.99 m³/s) on basis of area-velocity study; maximum gage height, 3.25 ft (0.991 m) from floodmarks, July 13, 1973; no flow for part of several days during July and August 1972.

REMARKS.--Records fair, except those for winter period, which are poor. Records of water temperatures and suspended-sediment loads for the water year 1975 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	14	2.8	.55	.45	4.3	6.9	8.3	28	6.3	2.1	.47
2	1.4	9.5	2.6	.45	.45	4.3	7.0	8.2	28	6.0	2.3	.57
3	1.6	6.0	2.7	.40	.45	4.3	6.9	9.0	31	3.3	2.4	.81
4	2.5	3.8	2.8	.35	.80	4.3	10	15	29	10	2.3	.79
5	6.5	4.1	2.8	.30	1.2	4.3	14	17	27	20	2.2	.70
6	3.5	4.1	2.7	.30	2.0	4.8	11	10	27	11	2.7	.83
7	2.7	3.2	2.6	.25	2.3	4.8	8.4	13	33	14	2.2	.79
8	3.0	4.1	2.3	.25	2.6	4.8	6.1	37	37	8.1	1.8	.99
9	2.7	5.6	1.9	.20	2.7	4.8	5.6	21	28	9.1	1.6	1.1
10	3.5	3.5	1.8	.20	2.9	4.8	6.3	12	29	7.1	1.9	61
11	3.2	2.7	1.7	.16	3.0	5.2	5.6	14	24	3.7	8.2	15
12	3.0	3.0	1.7	.12	3.2	5.8	5.3	16	22	3.2	6.4	3.4
13	3.0	4.1	1.6	.13	3.3	6.2	6.5	9.9	21	4.2	3.8	13
14	3.5	3.8	1.6	.13	3.4	6.6	7.3	15	21	3.9	3.2	10
15	3.5	5.2	1.6	.13	3.4	7.0	7.7	16	20	3.4	4.9	2.4
16	3.2	3.2	1.6	.14	3.5	7.5	8.7	19	19	74	4.9	1.8
17	3.2	3.5	1.6	.14	3.5	8.0	14	24	19	27	2.1	1.4
18	3.5	3.2	1.8	.15	3.5	8.2	8.8	21	29	7.5	1.4	1.2
19	3.0	1.9	1.9	.17	3.5	8.5	5.9	24	27	5.2	1.1	1.5
20	3.2	1.9	1.9	.20	3.2	8.8	7.1	120	21	5.5	1.0	1.6
21	3.2	3.8	1.8	.25	3.3	8.8	8.8	207	19	4.8	1.8	1.7
22	5.2	6.0	1.7	.30	3.3	9.0	9.0	149	18	4.5	1.5	1.9
23	5.6	4.5	1.6	.30	3.3	9.0	11	65	15	3.3	1.1	1.6
24	6.0	3.8	1.5	.30	3.3	9.2	14	56	13	2.8	.64	1.5
25	4.8	4.1	1.4	.40	3.3	9.5	15	51	11	2.6	.72	1.2
26	4.5	3.8	1.2	.40	3.6	9.5	20	24	11	2.5	.86	1.1
27	4.8	3.2	.90	.45	3.6	9.3	11	24	9.7	2.7	.85	1.0
28	4.8	3.1	.75	.50	3.6	8.2	8.5	36	8.6	2.7	1.2	1.1
29	6.0	3.0	.70	.50	---	7.5	9.2	75	7.7	3.1	.89	1.2
30	6.5	2.9	.70	.50	---	7.4	9.3	45	7.0	2.9	.72	1.2
31	14	---	.60	.50	---	7.3	---	31	---	2.8	.52	---
TOTAL	126.5	128.6	54.85	9.12	76.65	212.0	274.9	1192.4	640.0	267.2	69.30	132.85
MEAN	4.08	4.29	1.77	.29	2.74	6.84	9.16	38.5	21.3	8.62	2.24	4.43
MAX	14	14	2.8	.55	3.6	9.5	20	207	37	74	8.2	61
MIN	1.4	1.9	.60	.12	.45	4.3	5.3	8.2	7.0	2.5	.52	.47
AC-FT	251	255	109	18	152	421	545	2370	1270	530	137	264
CAL YR 1974	TOTAL	2812.18	MEAN 7.70	MAX 44	MIN .49	AC-FT 5580						
WTR YR 1975	TOTAL	3184.37	MEAN 8.72	MAX 207	MIN .12	AC-FT 6320						

GREEN RIVER BASIN

09235600 Pot Creek above diversions, near Vernal, Utah

LOCATION.--Lat 40°46'05", long 109°19'06", in NE¼ sec.3, T.1 S., R.23 E., Uintah County, on left bank 0.3 mile (0.5 km) upstream from Matt Warner Reservoir, and 27 miles (43 km) northeast of Vernal.

DRAINAGE AREA.--25 sq mi (65 km²), approximately.

PERIOD OF RECORD.--September 1957 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,550 ft (2,301 m) from topographic map. Prior to Aug. 26, 1965, at site 0.2 mile (0.3 km) downstream at different datum.

AVERAGE DISCHARGE.--18 years, 3.74 ft³/s (0.106 m³/s), 2,710 acre-ft/yr (3.34 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 164 ft³/s (4.64 m³/s) Apr. 21 (gage height, 3.11 ft or 0.948 m); maximum gage height, 3.73 ft (1.136 m) Apr. 17 (backwater from ice); no flow part of year.

Period of record: Maximum discharge recorded, 286 ft³/s (8.10 m³/s) May 10, 1973 (gage height, 3.55 ft or 1.082 m); maximum gage height recorded, 4.57 ft (1.393 m) Apr. 11, 1969 (backwater from ice); no flow for part of each year.

REMARKS.--Records good except those for winter period and those for period of no gage-height record when there was flow, which are poor. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.05	.46	.05			0	.35	4.1	46	5.7	.24	0
2	.06	.48	.04			0	.50	6.2	49	4.8	.20	0
3	.08	.46	.02			0	.60	18	54	4.3	.15	0
4	.16	.35	.01			0	.80	26	52	3.9	.11	0
5	.20	.33	0			0	1.0	21	51	4.2	.07	0
6	.21	.33	0			0	1.5	13	52	3.2	.01	0
7	.16	.31	0			0	1.8	8.0	54	2.9	0	0
8	.14	.33	0			0	2.5	8.6	53	2.7	0	0
9	.14	.35	0			0	3.0	16	50	2.3	0	0
10	.15	.32	0			0	4.0	24	47	2.2	0	0
11	.16	.26	0			0	5.0	40	37	1.7	0	0
12	.16	.30	0			0	7.0	34	31	1.5	.01	.03
13	.16	.33	0			.10	9.0	24	27	1.4	.08	.04
14	.16	.38	0			.10	12	28	27	2.0	.18	.08
15	.16	.37	0			.10	15	31	28	1.7	.63	.18
16	.16	.34	0			.10	20	30	26	1.7	.30	.12
17	.16	.33	0			.10	25	31	25	3.2	.18	.03
18	.16	.34	0			.10	35	28	31	1.7	.07	.02
19	.16	.31	0			.10	45	30	39	1.4	.01	0
20	.16	.30	0			.10	61	45	35	1.1	0	.05
21	.16	.32	0			.10	61	34	28	.71	.04	.05
22	.28	.35	0			.10	58	42	26	.59	.13	.21
23	.34	.34	0			.10	60	38	20	.56	.04	.06
24	.33	.32	0			.10	58	88	16	.39	0	.06
25	.27	.33	0			.10	35	72	13	.32	0	.07
26	.25	.27	0			.10	20	49	12	.27	0	.07
27	.24	.22	0			.10	13	50	11	.25	0	.07
28	.26	.15	0			.10	7.4	63	8.8	.21	0	.08
29	.49	.10	0		---	.10	6.7	65	8.2	.20	0	.08
30	.56	.08	0		---	.20	3.2	47	6.8	.26	0	.09
31	.46	---	0		---	.25	---	46	---	.37	0	---
TOTAL	6.59	9.46	.12	0	0	2.15	572.35	1059.9	963.8	57.73	2.45	1.39
MEAN	.21	.32	.004	0	0	.069	19.1	34.2	32.1	1.86	.079	.046
MAX	.56	.48	.05	0	0	.25	61	88	54	5.7	.63	.21
MIN	.05	.08	0	0	0	0	.35	4.1	6.8	.20	0	0
AC-FT	13	19	.2	0	0	4.3	1140	2100	1910	115	4.9	2.8
CAL YR 1974	TOTAL	1365.53	MEAN 3.74	MAX 118	MIN 0	AC-FT 2710						
WTR YR 1975	TOTAL	2675.94	MEAN 7.33	MAX 88	MIN 0	AC-FT 5310						

PEAK DISCHARGE (BASE, 30 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
4-21	1900	3.11	164	5-24	1600	3.02	152
5-3	1600	2.18	40	6-19	1600	2.40	50
5-11	1400	2.44	58				

NOTE:--No gage-height record Jan. 13 to Apr. 25.

GREEN RIVER BASIN

51

09235800 Pot Creek near Vernal, Utah

LOCATION.—Lat 40°40'25", long 109°03'03", in SW $\frac{1}{4}$ NB $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.2 S., R.25 E., Daggett County, on left bank 0.2 mile (0.3 km) upstream from Utah-Colorado State line, 7 miles (11 km) upstream from mouth, and 29 miles (47 km) northeast of Vernal.

DRAINAGE AREA.—106 mi² (275 km²).

PERIOD OF RECORD.—August 1957 to current year.

GAGE.—Water-stage recorder and concrete control. Altitude of gage is 6,900 ft (2,103 m) from topographic map.

AVERAGE DISCHARGE.—18 years, 2.08 ft³/s (0.589 m³/s), 1,510 acre-ft/yr (1.86 hm³/yr).

EXTREMES.—Current year: Maximum discharge, 92 ft³/s (2.61 m³/s) Apr. 15 (gage height, 2.52 ft or 0.768 m); no flow for part of year.
Period of record: Maximum discharge, 286 ft³/s (8.10 m³/s) Apr. 7, 1962 (gage height, 3.85 ft or 1.173 m), from rating curve extended above 170 ft³/s (4.81 m³/s); maximum gage height, 3.99 ft (1.216 m) Mar. 15, 1966 (backwater from ice); no flow for part of each year.

REMARKS.—Records good. Flow regulated by Matt Warner and Crouse Reservoirs, 14 miles (23 km) and 7 miles (11 km) upstream, respectively, combined capacity, about 4,000 acre-ft (4.93 hm³). Several diversions for irrigation above station, and one diversion to Crouse Creek, which diverts to Crouse Creek Basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.30	.01		0	10	.23	4.9	11	13		0
2	0	.28	.01		0	30	.21	3.6	7.5	9.9		0
3	0	.13	.01		0	52	.22	2.9	5.5	9.4		0
4	0	.07	.01		0	24	.40	1.5	4.2	9.7		0
5	0	.04	.01		0	14	.77	1.6	3.1	3.8		0
6	0	.03	.01		0	10	4.1	1.4	2.5	1.5		0
7	0	.03	.01		0	15	2.9	1.1	2.2	1.3		0
8	0	.02	.01		0	30	1.3	1.2	2.7	1.1		0
9	0	.02	.01		0	23	.92	.82	11	1.3		0
10	0	.02	.01		0	9.0	1.4	.64	28	1.8		0
11	0	.02	.01		0	1.0	2.8	.53	35	.82		0
12	0	.01	.01		0	.25	6.2	.50	35	.51		0
13	0	.01	0		0	.28	13	.71	40	.35		0
14	0	.01	0		0	.27	16	.57	42	.26		0
15	0	.01	0		0	.30	29	.48	30	.22		0
16	0	.01	0		0	.37	16	.44	23	.30		0
17	0	.01	0		0	.22	7.3	.56	15	.46		0
18	0	.02	0		0	.20	3.0	.81	7.0	.25		0
19	0	.02	0		0	4.7	1.5	.89	6.6	.18		0
20	0	.02	0		0	9.5	2.8	8.8	5.3	.15		0
21	0	.02	0		0	7.4	4.5	15	4.8	.14		0
22	.25	.02	0		0	2.2	9.4	9.1	12	.11		0
23	.11	.02	0		0	.70	7.2	7.7	13	.09		0
24	.07	.02	0		.05	.51	5.3	7.4	6.0	.08		0
25	.03	.02	0		.10	.54	30	6.9	3.9	.05		0
26	.02	.02	0		.30	.69	45	7.7	3.3	.02		0
27	.05	.01	0		1.0	.37	34	9.9	3.6	0		0
28	.05	.01	0		4.0	.46	26	23	7.1	0		0
29	.16	.01	0		---	.25	15	52	30	0		.95
30	.10	.01	0		---	.25	7.6	22	20	0		6.8
31	.09	---	0		---	.27	---	16	---	0		---
TOTAL	.93	1.24	.12	0	5.45	247.73	294.05	210.65	420.3	56.79	0	7.75
MEAN	.030	.041	.004	0	.19	7.99	9.80	6.80	14.0	1.83	0	.26
MAX	.25	.30	.01	0	4.0	52	45	52	42	13	0	6.8
MIN	0	.01	0	0	0	.20	.21	.44	2.2	0	0	0
AC-FT	1.8	2.5	.2	0	11	491	583	418	834	113	0	15
CAL YR 1974	TOTAL	113.49	MEAN	.31	MAX	16	MIN	0	AC-FT	225		
WTR YR 1975	TOTAL	1245.01	MEAN	3.41	MAX	52	MIN	0	AC-FT	2470		

GREEN RIVER BASIN

09261000 Green River near Jensen, Utah

LOCATION.—Lat 40°24'34", long 109°14'05", in NE¼SW¼SE¼ sec.5, T.5 S., R.24 E., Uintah County, Dinosaur National Monument, on right bank 300 ft (91 m) upstream from highway bridge, 1 mile (2 km) downstream from Cub Creek and Chew Ranch, 4 miles (6 km) southeast of Dinosaur National Monument headquarters, 6.5 miles (10.5 km) northeast of Jensen, 12 miles (19 km) upstream from Brush Creek, and 313.9 miles (505.1 km) from mouth.

DRAINAGE AREA.—25,400 mi² (65,786 km²), approximately.

PERIOD OF RECORD.—October 1903 to December 1904, June to August 1905 (gage heights only), March to September 1906, July to October 1914, August to December 1915, October 1946 to current year. Prior to October 1946, published as "at Jensen", except October to December 1903, which was published as "near Vernal".

GAGE.—Water-stage recorder. Altitude of gage is 4,758 ft (1,450 m) from river-profile map. Prior to Oct. 1, 1946, nonrecording gages at site 15 miles (24 km) downstream at different datums. Dec. 13, 1946 to Sept. 30, 1948, water-stage recorder at present site at datum 1.50 ft (0.457 m) higher.

AVERAGE DISCHARGE.—30 years (1903-04, 1946-75), 4,395 ft³/s (124.5 m³/s), 3,184,000 acre-ft/yr (3.93 km³/yr), unadjusted.

EXTREMES.—Current year: Maximum discharge, 20,900 ft³/s (592 m³/s) June 10 (gage height, 9.90 ft or 3.018 m); minimum, 1,170 ft³/s (33.1 m³/s) Dec. 26.

Period of record: Maximum discharge, 36,500 ft³/s (1,030 m³/s) June 16, 1957 (gage height, 13.22 ft or 4.029 m); minimum observed, 102 ft³/s (2.89 m³/s) Dec. 6, 1904.

REMARKS.—Records good. Transbasin diversions and diversions for irrigation above station. Flow partly regulated by Flaming Gorge Reservoir (see sta 09234400) since Nov. 1, 1962. Records of chemical analysis, water temperatures, and suspended-sediment loads for the water year 1975 are published in Part 2 of this report.

REVISIONS (WATER YEARS).—WSP 1243: 1904(M); WRD Utah 1973: 1972.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2910	4040	2860	2990	3060	3080	1860	4060	11300	12000	5400	2900
2	2860	4660	2760	3150	2240	2550	1880	3600	11400	12000	5390	2720
3	2480	4020	2660	3070	2070	2020	2130	3300	12400	11800	5420	2760
4	2760	3200	3090	3510	2500	2340	2170	3230	14900	11900	5350	2210
5	3170	3740	3060	3340	3060	2850	2220	3490	16500	11600	5280	2400
6	3070	3490	3180	3040	3340	2970	1720	4320	17600	12000	5190	1960
7	2440	3580	3140	3380	3540	3280	1760	5370	17400	11900	5120	1700
8	3090	3800	2990	3300	3250	3020	2300	5180	18100	12100	4990	1650
9	3220	3490	2480	3470	3300	2540	2910	4970	19100	11500	4810	2080
10	3140	3490	2550	3140	2480	2730	2770	4310	20200	11200	4740	2170
11	3220	3150	2740	3220	2730	3150	2310	3720	18000	11100	4660	2500
12	3150	3140	2570	3590	3220	3250	2060	4090	14100	10600	4620	2460
13	3100	3060	2740	3410	3520	3060	1940	5290	11700	9580	3740	2120
14	3120	3070	2740	3540	3950	3230	2000	6680	11400	8890	3480	2110
15	3100	3070	2720	3140	3970	3200	2480	6610	13000	8230	4060	1960
16	3250	2860	2610	3030	3890	2960	3570	8060	15500	7980	3990	2090
17	3850	3040	3230	2870	3950	2550	3400	10100	16500	7940	4000	1540
18	3990	2410	3250	2910	3830	2700	3340	12200	17000	7860	4100	1510
19	4260	3040	3420	2190	4160	3040	3810	15200	15500	7910	4120	1530
20	3440	3050	3120	1530	4160	3070	3440	17100	13800	7540	4170	1540
21	3090	3280	2740	2280	4420	3150	2900	17800	13500	7070	3650	1500
22	3540	2990	2410	2610	4300	2480	2980	17100	11000	6730	2740	1400
23	4080	2650	1880	3190	4220	2380	3220	17600	11000	6450	3230	1560
24	3950	2720	2850	2760	3710	2150	3820	15100	11800	6300	3310	1800
25	3890	1970	3490	2970	3700	2130	4580	11900	11600	6220	2790	2210
26	4300	2410	2200	1990	3160	2330	4980	10400	12100	6430	2580	2160
27	4460	3220	2660	1720	3070	1970	5460	11500	12800	6260	2470	2090
28	3400	2930	3180	2080	3440	1470	6570	11400	12000	6140	2300	1840
29	3930	2240	3460	3140	---	1970	6350	11800	11600	5750	2610	1460
30	3780	2800	2450	3350	---	2270	4860	14400	11900	5510	2790	1450
31	4040	---	2860	3250	---	1700	---	13500	---	5410	2970	---
TOTAL	106080	94610	88090	91160	96240	81590	95790	283380	424700	273900	124070	59380
MEAN	3422	3154	2842	2941	3437	2632	3193	9141	14160	8835	4002	1979
MAX	4460	4660	3490	3590	4420	3280	6570	17800	20200	12100	5420	2900
MIN	2440	1970	1880	1530	2070	1470	1720	3230	11000	5410	2300	1400
AC-FT	210400	187700	174700	180800	190900	161800	190000	562100	842400	543300	246100	117800

CAL YR 1974 TOTAL 1801990 MEAN 4937 MAX 26400 MIN 1280 AC-FT 3574000
WTR YR 1975 TOTAL 1818990 MEAN 4984 MAX 20200 MIN 1400 AC-FT 3608000

53

LOCATION.—Lat 40°34'54", long 109°26'03", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.3 S., R.22 E., Uintah County, on left bank 3 miles (5 km) upstream from Little Brush Creek and 10 miles (16 km) northeast of Vernal.

PERIOD OF RECORD.—March 1939 to current year. Prior to October 1964, published as Brush Creek near Vernal.

AVERAGE DISCHARGE.--36 years, 35.8 ft³/s (1.014 m³/s), 25,940 acre-ft/yr (32.0 hm³/yr).

Period of record: Maximum discharge, 543 ft³/s (15.4 m³/s) July 12, 1962 (gage height, 4.73 ft or 1.442 m, present datum), from rating curve extended above 370 ft³/s (10.5 m³/s); minimum recorded, 1.6 ft³/s (0.045 m³/s) Mar. 12, 1951.

REMARKS.--Records good except those for December and January, which are fair. Two small diversions above station for irrigation of about 80 acres (32 ha) lying both above and below station. Since July 1940, water from Oaks Park Reservoir on headwaters, capacity, 6,250 acre-ft (7.70 hm³) has been diverted above station to Ashley Creek basin for irrigation through Oaks Park Canal.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	12	11	11	10	13	15	124	267	49	36
2	11	12	12	10	11	11	13	15	148	262	46	36
3	11	12	12	10	11	11	12	13	177	261	44	36
4	11	12	12	10	11	10	12	14	190	245	44	35
5	11	12	12	10	11	10	12	16	197	247	42	34
6	11	12	12	10	11	11	12	16	219	245	40	34
7	11	12	12	10	11	11	13	16	229	240	39	32
8	11	12	12	10	11	11	13	16	233	230	40	32
9	11	11	12	10	11	11	13	16	246	220	38	31
10	11	12	12	10	11	11	13	16	238	193	38	31
11	11	12	12	10	11	11	13	16	224	165	39	32
12	11	12	12	10	11	11	13	21	223	146	40	31
13	11	12	14	10	11	11	13	24	226	121	41	32
14	11	12	12	10	11	11	14	32	237	117	43	31
15	11	12	12	10	11	12	14	51	247	104	42	31
16	11	12	12	11	11	11	16	80	254	92	42	30
17	11	12	12	11	11	11	15	100	258	107	41	30
18	11	12	12	11	11	12	14	93	254	94	42	29
19	10	12	12	11	11	12	14	129	254	85	42	27
20	11	12	12	11	11	13	15	187	256	82	43	26
21	11	12	12	11	10	12	15	174	260	88	43	26
22	12	12	12	11	10	12	14	121	262	107	42	26
23	11	12	11	11	10	12	15	100	258	90	41	26
24	12	12	11	11	10	12	15	81	259	81	40	26
25	11	12	11	11	10	13	16	92	263	74	38	25
26	11	12	11	11	10	13	16	95	267	67	38	25
27	11	12	11	11	10	13	16	101	269	60	38	25
28	12	12	11	11	10	13	16	104	276	55	39	24
29	13	12	11	11	---	13	16	96	269	54	39	24
30	12	12	11	12	---	13	16	89	265	54	37	24
31	12	---	11	11	---	13	---	98	---	52	36	---
TOTAL	347	359	365	328	300	361	422	2037	7082	4305	1266	887
MEAN	11.2	12.0	11.8	10.6	10.7	11.6	14.1	65.7	236	139	40.8	29.6
MAX	13	12	14	12	11	13	16	187	276	267	49	36
MIN	10	11	11	10	10	10	12	13	124	52	36	24
AC-FT	688	712	724	651	595	716	837	4040	14050	8540	2510	1760
CAL YR 1974	TOTAL	11287	MEAN 30.9	MAX 217	MIN 10	AC-FT	22390					
WTR YR 1975	TOTAL	18059	MEAN 49.5	MAX 276	MIN 10	AC-FT	35820					

09265300 Ashley Creek above Red Pine Creek, near Vernal, Utah

LOCATION.--Lat 40°40'47", long 109°39'37", in NE¼ sec.3, T.2 S., R.20 E., Uintah County, Ashley National Forest, on right bank 0.2 mile (0.3 km) upstream from Cow Hollow, and 17 miles (27 km) north-northwest of Vernal.

DRAINAGE AREA.--55.8 mi² (144.5 km²).

PERIOD OF RECORD.--October 1964 to September 1975 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 7,870.03 ft (2,398.785 m) above mean sea level (levels by Bureau of Reclamation).

AVERAGE DISCHARGE.--11 years, 67.1 ft³/s (1,900 m³/s), 48,610 acre-ft/yr (59.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,600 ft³/s (45.3 m³/s) June 15 (gage height, 7.45 ft or 2.271 m); minimum not determined, occurred during period of no gage-height record.

Period of record: Maximum discharge, about 7,400 ft³/s (210 m³/s) June 10, 1965 (gage height, 12.13 ft or 3.697 m, from floodmarks), from rating curve extended above 420 ft³/s (11.9 m³/s) on basis of an estimate at peak flow based on a field survey; minimum recorded, about 0.80 ft³/s (0.023 m³/s) Apr. 22, 1968, result of freezeup.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Flow partly regulated by Long Park Reservoir, capacity 520 acre-ft (0.641 hm³). No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	7.3	5.4	5.2	4.6	3.9	3.1	4.3	172	597	68	35
2	6.4	7.3	5.4	5.2	4.6	3.7	3.1	4.6	228	571	62	32
3	6.3	7.3	5.5	5.2	4.6	3.5	3.2	5.0	274	557	57	26
4	6.4	6.9	5.6	5.2	4.6	3.4	3.2	5.5	321	512	54	22
5	6.6	7.0	5.7	5.2	4.6	3.3	3.2	5.7	425	550	51	21
6	6.7	6.8	5.8	5.2	4.7	3.3	3.3	5.2	550	456	49	23
7	5.9	6.7	5.7	5.2	4.7	3.3	3.3	4.9	543	418	45	46
8	6.6	6.6	5.7	5.2	4.7	3.3	3.3	5.3	616	384	42	44
9	6.8	6.6	5.6	5.2	4.7	3.3	3.3	5.4	553	355	41	40
10	6.8	6.5	5.6	5.2	4.7	3.3	3.3	5.9	377	306	39	43
11	6.8	6.5	5.6	5.2	4.8	3.3	3.4	7.8	326	270	38	35
12	6.8	6.4	5.6	5.2	4.8	3.2	3.4	13	381	278	44	24
13	6.8	6.4	5.6	5.2	4.8	3.2	3.5	13	618	294	52	25
14	6.8	6.3	5.6	5.2	4.8	3.2	3.5	20	922	284	44	23
15	6.5	6.7	5.6	5.2	4.8	3.2	3.4	41	1080	238	40	21
16	6.5	6.2	5.4	5.0	4.8	3.2	3.6	73	1030	260	34	22
17	6.6	6.4	5.4	5.0	4.8	3.2	3.6	99	826	284	30	19
18	6.4	6.1	5.4	5.0	4.7	3.2	3.7	137	1060	250	28	18
19	6.4	6.3	5.4	5.0	4.7	3.2	3.8	231	446	227	27	17
20	6.4	6.2	5.4	5.0	4.7	3.2	4.0	277	380	195	27	17
21	6.4	6.1	5.4	5.0	4.3	3.2	4.0	159	371	186	27	16
22	5.1	6.0	5.4	5.0	4.3	3.2	4.5	149	380	187	31	16
23	8.8	5.8	5.4	5.0	4.3	3.2	4.9	140	428	190	29	15
24	11	5.8	5.4	5.0	4.3	3.2	5.3	131	527	140	51	14
25	8.6	5.8	5.4	5.0	4.3	3.2	6.2	162	510	118	50	14
26	7.4	5.8	5.4	4.9	4.3	3.2	5.3	167	437	106	49	14
27	7.1	5.7	5.4	4.8	4.3	3.2	4.7	178	503	97	47	14
28	7.3	5.7	5.4	4.8	4.3	3.2	4.4	151	564	91	46	14
29	7.4	5.6	5.4	4.8	---	3.0	4.1	111	580	84	42	14
30	7.3	5.5	5.4	4.8	---	3.1	4.2	109	592	92	40	14
31	7.4	---	5.4	4.8	---	3.1	---	129	---	80	37	---
TOTAL	214.7	190.3	170.4	156.9	128.6	101.2	115.8	2549.6	16020	4657	1321	698
MEAN	6.93	6.34	5.50	5.06	4.59	3.26	3.86	82.2	534	279	42.6	23.3
MAX	11	7.3	5.8	5.2	4.8	3.9	6.2	277	1080	597	68	46
MIN	5.1	5.5	5.4	4.8	4.3	3.0	3.1	4.3	172	80	27	14
AC-FT	426	377	338	311	255	201	230	5060	31780	17170	2620	1380
CAL YR 1974 TOTAL	11828.3		MEAN 32.4	MAX 630	MIN 1.3	AC-FT 23460						
WTR YR 1975 TOTAL	30323.5		MEAN 83.1	MAX 1080	MIN 3.0	AC-FT 60150						

PEAK DISCHARGE (BASE, 600 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-8	2100	6.25	855	6-24	2200	6.23	845
6-15	1900	7.45	1600				

NOTE:--No gage-height record Dec. 3 to Apr. 12.

09266500 Ashley Creek near Vernal, Utah

LOCATION.—Lat 40°34'39", long 109°37'17", in NE¼NW¼NE¼ sec.12, T.3 S., R.20 E., Uintah County, on right bank 0.8 mile (1.3 km) upstream from head of Utah Power & Light Co.'s canal, 4.5 miles (7.2 km) upstream from Dry Fork, and 10 miles (16 km) northwest of Vernal.

DRAINAGE AREA.—101 mi² (262 km²).

PERIOD OF RECORD.—October 1911 to April 1912, August to December 1912, October 1913 to current year. Monthly discharge only for some periods, published in WSP 1313.

GAGE.—Water-stage recorder. Datum of gage is 6,230.61 ft (1,899.090 m) above mean sea level, adjustment of 1927. Prior to Nov. 13, 1917, nonrecording and water-stage recorder at several sites within 1.5 miles (2.4 km) of present site at various datums. Nov. 14, 1917 to July 15, 1965, water-stage recorder at site 75 ft (23 m) downstream at various datums. July 15, 1965 to July 30, 1968, water-stage recorder at site 75 ft (23 m) downstream at datum 0.09 ft (0.027 m) higher.

AVERAGE DISCHARGE.—62 years (1913-75), 102 ft³/s (2.889 m³/s), 73,900 acre-ft/yr (91.1 hm³/yr).

EXTREMES.—Current year: Maximum discharge, 2,590 ft³/s (73.3 m³/s) June 15 (gage height, 4.30 ft or 1.311 m), from rating curve extended above 950 ft³/s (26.9 m³/s); minimum, 5.0 ft³/s (0.14 m³/s) Mar. 4, 5.

Period of record: Maximum discharge, about 3,500 ft³/s (99.1 m³/s) June 11, 1965, from rating table extended above 1,060 ft³/s (30.1 m³/s); maximum gage height, 6.09 ft (1.856 m) June 16, 1929; present datum, minimum discharge, 5.0 ft³/s (0.14 m³/s) Mar. 4, 5, 1975.

REMARKS.—Records good. Flow increased since July 1940 by water released from Oaks Park Reservoir, capacity, 6,250 acre-ft (7.71 hm³) on Big Brush Creek and diverted to Ashley Creek basin for irrigation. City of Vernal pipeline, capacity, approximately 11 ft³/s (0.31 m³/s) diverts water from tributary spring about 1,000 ft (305 m) above station (diversion began Aug. 1, 1941); at times, part of this flow is returned to Ashley Creek 2.5 miles (4.0 km) below station. Prior to September 1961, pipeline capacity was approximately 5 ft³/s (0.14 m³/s) and the return flow entered Ashley Creek 0.5 mile (0.8 km) below station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	17	8.6	10	7.9	7.2	5.8	5.2	269	778	120	124
2	14	18	8.4	10	8.1	7.3	5.8	5.8	346	761	100	122
3	14	17	8.6	10	7.8	6.3	5.7	6.0	434	739	90	114
4	15	16	9.0	9.8	7.5	5.5	5.8	9.5	488	704	90	106
5	16	14	9.3	9.8	7.7	5.6	5.8	8.9	639	715	85	103
6	17	14	10	9.5	8.1	5.8	5.8	6.8	863	623	80	99
7	17	13	10	9.8	8.4	5.7	5.9	6.6	857	543	82	121
8	16	13	11	10	8.5	5.6	5.8	9.2	867	477	85	120
9	16	13	10	9.7	8.2	5.6	5.5	9.5	791	426	88	115
10	16	12	10	10	8.4	5.6	5.4	12	447	369	95	112
11	16	11	10	10	8.7	5.6	5.5	19	383	321	110	114
12	15	11	11	10	8.2	5.5	5.6	29	453	334	112	99
13	15	11	11	10	8.1	5.8	5.7	20	692	339	127	97
14	15	11	11	9.7	8.1	5.6	5.9	29	1200	354	126	93
15	14	11	11	9.7	8.1	5.6	5.9	47	1780	290	123	90
16	14	10	10	9.7	8.1	5.6	6.0	74	1680	302	131	89
17	14	10	10	9.7	8.2	5.7	6.0	122	1100	355	131	86
18	14	11	11	9.7	8.1	5.6	6.0	165	1550	300	128	84
19	14	11	11	9.7	8.2	5.6	5.7	292	621	270	126	83
20	14	10	11	9.1	8.1	5.8	6.1	433	434	260	125	81
21	14	9.5	11	9.1	8.2	5.8	6.3	240	428	230	125	80
22	14	11	11	9.1	8.0	5.7	7.9	199	452	230	129	79
23	17	11	10	8.4	7.9	5.6	8.2	177	539	220	124	77
24	22	9.8	10	8.4	7.8	5.6	8.0	173	669	200	141	76
25	18	9.5	10	8.4	7.9	5.7	9.2	199	848	190	142	74
26	16	9.8	9.8	8.1	7.9	5.9	7.8	207	656	170	140	74
27	16	8.8	9.5	8.4	7.5	5.9	5.9	231	688	160	138	74
28	16	9.2	9.5	8.8	7.5	6.4	5.7	212	743	140	136	74
29	17	9.2	10	8.4	---	6.2	5.9	178	778	120	134	73
30	16	8.6	10	8.4	---	5.9	6.0	173	793	130	131	71
31	16	---	10	8.1	---	5.8	---	202	---	125	128	---
TOTAL	482	350.4	312.7	289.5	225.2	181.1	186.6	3500.5	22488	11175	3622	2804
MEAN	15.5	11.7	10.1	9.34	8.04	5.84	6.22	113	750	360	117	93.5
MAX	22	18	11	10	8.7	7.3	9.2	433	1780	778	142	124
MIN	14	8.6	8.4	8.1	7.5	5.5	5.4	5.2	269	120	80	71
AC-FT	956	695	620	574	447	359	370	6940	44600	22170	7180	5560
CAL YR 1974	TOTAL	20577.1	MEAN	56.4	MAX	859	MIN	8.4	AC-FT	40810		
WTR YR 1975	TOTAL	45617.0	MEAN	125	MAX	1780	MIN	5.2	AC-FT	90480		

PEAK DISCHARGE (BASE, 600 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-20	0200	2.84	643	6-15	2200	4.30	2,590
6-8	2300	3.59	1,210	6-24	2300	3.22	1,240

GREEN RIVER BASIN

09267500 Mosby Canal near Lapoint, Utah

LOCATION.--Lat 40°36'30", long 109°53'00", in sec.27, T.2 S., R.18 E., (unsurveyed), Uintah County, on left bank 4.5 miles (7.2 km) southeast of Paradise Park Reservoir, 8 miles (13 km) downstream from diversion from Dry Fork, and 16 miles (26 km) northwest of Lapoint.

PERIOD OF RECORD.--July 1954 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 9,500 ft (2,895 m) from topographic map.

EXTREMES.--Period of record: Maximum daily discharge, 37 ft³/s (1.05 m³/s) June 16, 17, 1969; no flow for extended periods each year.

REMARKS.--Records good except those for May, June, and July, which are poor. Canal diverts from Dry Fork for irrigation in Deep Creek basin. Diversion began in 1942 or 1943.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9							0	18	30	19	7.9
2	0							0	17	31	19	7.7
3	0							0	17	27	19	7.5
4	0							0	16	24	19	7.3
5	0							0	15	23	18	7.0
6	0							0	13	25	17	6.5
7	0							0	13	24	17	6.1
8	0							0	14	23	17	6.1
9	0							0	15	23	16	6.4
10	0							0	12	25	16	6.7
11	0							0	13	25	16	6.8
12	1.4							0	16	24	16	6.5
13	4.5							0	19	25	16	6.6
14	3.7							0	25	26	16	6.6
15	3.4							0	32	27	16	7.3
16	3.4							.04	31	26	15	8.1
17	2.3							.20	27	25	15	7.7
18	0							.80	20	25	15	7.9
19	0							1.4	14	24	15	7.8
20	0							2.0	12	24	15	7.7
21	0							2.2	11	23	15	7.5
22	0							2.5	10	23	14	7.5
23	.04							3.0	9.4	24	13	7.5
24	0							3.5	9.0	23	13	7.2
25	0							4.0	14	22	13	7.2
26	0							4.5	13	19	13	7.0
27	0							5.0	12	19	12	6.9
28	0							7.0	14	19	12	6.6
29	0				---			8.0	18	19	12	6.4
30	0				---			10	25	19	10	6.1
31	0	---			---		---	14	---	19	8.1	---
TOTAL	20.64	0	0	0	0	0	0	68.14	494.4	735	467.1	212.1
MEAN	.67	0	0	0	0	0	0	2.20	16.5	23.7	15.1	7.07
MAX	4.5	0	0	0	0	0	0	14	32	31	19	8.1
MIN	0	0	0	0	0	0	0	0	9.0	19	8.1	6.1
AC-FT	41	0	0	0	0	0	0	135	981	1460	926	421
CAL YR 1974	TOTAL	1430.64	MEAN	3.92	MAX	23	MIN	0	AC-FT	2840		
WTR YR 1975	TOTAL	1997.38	MEAN	5.47	MAX	32	MIN	0	AC-FT	3960		

NOTE.--No gage-height record June 11 to July 21.

GREEN RIVER BASIN

57

09268000 Dry Fork above sinks, near Dry Fork, Utah

LOCATION.—Lat 40°37'35", long 109°49'10", in sec.20, T.2 S., R.19 E., (unsurveyed), Uintah County, Ashley National Forest, on left bank 9 miles (14 km) northwest of town of Dry Fork.

DRAINAGE AREA.—44.4 mi² (115.0 km²).

PERIOD OF RECORD.—March 1939 to September 1975 (discontinued).

GAGE.—Water-stage recorder. Datum of gage is 8,108.51 ft (2,471.474 m) above mean sea level (levels by Utah State Water and Power Board).

AVERAGE DISCHARGE.—36 years, 36.0 ft³/s (1.020 m³/s), 26,080 acre-ft/yr (32.2 hm³/yr).

EXTREMES.—Current year: Maximum discharge, 792 ft³/s (22.4 m³/s) June 15 (gage height, 4.59 ft or 1.399m); minimum recorded, 0.82 ft³/s (0.023 m³/s) May 1, but may have been less during winter period.

Period of record: Maximum discharge, 1,010 ft³/s (28.6 m³/s) June 10, 1965 (gage height, 4.78 ft or 1.457 m), from rating curve extended above 490 ft³/s (13.9 m³/s); no flow for part of each day Apr. 22, May 1-3, 1951.

REMARKS.—Records good except those for period of no gage-height record, which are poor. Mosby Canal has diverted water above station for irrigation in Deep Creek basin since 1942 or 1943 (see sta 09267500).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	9.2	1.9	1.7	1.6	1.5	1.4	1.5	54	566	34	8.1
2	1.9	9.2	1.8	1.7	1.6	1.5	1.4	1.5	68	560	31	8.3
3	2.3	9.3	1.8	1.7	1.6	1.5	1.4	1.5	100	524	27	7.6
4	3.1	7.3	1.8	1.7	1.6	1.5	1.4	1.5	136	469	23	7.3
5	3.5	7.0	1.8	1.7	1.6	1.5	1.4	1.5	171	419	21	7.1
6	3.6	6.5	1.8	1.7	1.6	1.5	1.4	1.7	220	456	20	6.7
7	3.3	5.5	1.8	1.7	1.6	1.5	1.4	1.7	261	412	18	6.4
8	2.8	5.0	1.8	1.7	1.6	1.5	1.4	1.8	288	306	16	4.9
9	2.7	4.7	1.8	1.7	1.6	1.5	1.4	2.5	272	259	15	3.9
10	2.8	4.1	1.8	1.7	1.6	1.5	1.4	5.3	208	223	14	4.8
11	2.8	4.1	1.8	1.7	1.6	1.5	1.4	8.5	171	204	14	7.3
12	2.9	4.0	1.8	1.7	1.6	1.5	1.4	9.1	189	221	16	6.5
13	2.8	4.2	1.8	1.7	1.6	1.5	1.4	9.2	270	180	15	5.8
14	2.6	3.4	1.8	1.7	1.6	1.5	1.4	17	435	156	16	5.2
15	2.4	3.1	1.8	1.7	1.6	1.5	1.4	24	551	139	16	5.2
16	2.3	3.1	1.8	1.7	1.6	1.5	1.4	32	592	166	12	4.8
17	2.4	3.5	1.8	1.7	1.6	1.5	1.4	51	472	182	9.9	4.1
18	2.3	5.1	1.8	1.7	1.6	1.5	1.4	62	423	149	8.6	3.8
19	2.3	4.3	1.8	1.7	1.6	1.5	1.4	95	226	120	8.9	3.6
20	2.3	4.8	1.8	1.7	1.6	1.5	1.4	87	169	105	17	3.6
21	2.3	4.5	1.8	1.7	1.6	1.5	1.4	58	157	91	17	3.4
22	3.1	4.0	1.8	1.7	1.6	1.5	1.4	52	155	81	18	3.3
23	6.2	3.6	1.8	1.7	1.6	1.5	1.4	46	194	79	15	3.2
24	6.0	3.5	1.8	1.7	1.6	1.5	1.4	42	275	62	14	3.1
25	4.6	3.0	1.8	1.7	1.6	1.5	1.4	43	302	54	12	3.0
26	3.9	2.8	1.8	1.7	1.6	1.5	1.4	47	225	50	12	2.9
27	3.8	2.5	1.8	1.7	1.6	1.5	1.4	55	243	47	11	2.8
28	4.2	2.3	1.8	1.7	1.6	1.5	1.4	53	347	42	12	2.8
29	5.2	2.1	1.8	1.7	---	1.5	1.4	43	456	37	10	2.7
30	5.2	2.0	1.8	1.7	---	1.5	1.5	41	525	44	9.2	2.7
31	7.4	---	1.8	1.7	---	1.5	---	45	---	41	8.5	---
TOTAL	105.0	137.7	55.9	52.7	44.8	46.5	42.1	940.3	8155	5444	491.1	144.9
MEAN	3.39	4.59	1.80	1.70	1.60	1.50	1.40	30.3	272	208	15.8	4.83
MAX	7.4	9.3	1.9	1.7	1.6	1.5	1.5	95	592	566	34	8.3
MIN	1.9	2.0	1.8	1.7	1.6	1.5	1.4	1.5	54	37	8.5	2.7
AC-FT	208	273	111	105	89	92	84	1870	16180	12780	974	287

CAL YR 1974 TOTAL 3798.0 MEAN 10.4 MAX 217 MIN 1.8 AC-FT 7530
WTR YR 1975 TOTAL 16660.0 MEAN 45.6 MAX 592 MIN 1.4 AC-FT 33050

PEAK DISCHARGE (BASE, 300 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-8	2100	3.83	389	6-24	2300	3.89	416
6-15	2000	4.59	792	6-30	2400	4.48	731

NOTE:--No gage-height record Dec. 11 to Apr. 29.

GREEN RIVER BASIN

09268500 North Fork of Dry Fork near Dry Fork, Utah

LOCATION.--Lat 40°38'34", long 109°48'37", in sec.17, T.2 S., R.19 E., Uintah County, Ashley National Forest, on left bank 2 miles (3 km) upstream from mouth and 9.5 miles (15.3 km) northwest of town of Dry Fork.

DRAINAGE AREA.--8.62 mi² (22.33 km²).

PERIOD OF RECORD.--April 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is 8,284.28 ft (2,525.048 m) above mean sea level (levels by Utah Water and Power Board).

AVERAGE DISCHARGE.--29 years, 6.82 ft³/s (0.193 m³/s), 4,940 acre-ft/yr (6.09 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 127 ft³/s (3.60 m³/s) June 14 (gage height, 3.24 ft or 0.988 m); minimum determined, 0.29 ft³/s (0.008 m³/s) May 3, 8, 9, but may have been less during winter period.

Period of record: Maximum discharge, 169 ft³/s (4.79 m³/s) June 5, 1968 (gage height, 3.34 ft or 1.018 m); maximum gage height, 3.60 ft (1.097 m) May 7, 1947; no flow for part of Apr. 21, 1961, May 1, 1963.

REMARKS.--Records good except those for period of no gage-height record, which are poor.

REVISIONS.--WSP 2125: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.4	.86	.70	.60	.50	.35	.35	20	65	14	4.5
2	1.4	1.3	.89	.70	.60	.50	.35	.36	26	62	13	4.4
3	1.4	1.3	.92	.70	.60	.50	.35	.35	36	58	13	4.2
4	1.6	1.3	.84	.70	.60	.50	.35	.33	43	54	12	4.2
5	1.6	1.2	.81	.70	.60	.50	.35	.35	50	53	11	4.0
6	1.6	1.3	.84	.70	.60	.50	.35	.33	56	49	11	3.8
7	1.6	1.3	.84	.70	.60	.50	.35	.32	60	50	10	3.8
8	1.4	1.3	.84	.70	.60	.50	.35	.29	62	48	9.8	3.7
9	1.4	1.3	.84	.70	.60	.50	.35	.33	53	44	9.2	3.6
10	1.4	1.3	.84	.70	.60	.50	.35	.40	41	41	8.9	4.3
11	1.4	1.3	.85	.70	.60	.50	.35	.55	40	38	8.7	5.0
12	1.3	1.3	.87	.70	.60	.50	.35	.88	44	36	8.8	4.5
13	1.3	1.2	.89	.70	.60	.50	.35	1.0	54	34	9.3	4.1
14	1.2	1.2	.88	.70	.60	.50	.35	3.0	76	32	8.9	4.0
15	1.2	1.2	.87	.70	.60	.50	.35	6.0	89	28	8.0	3.7
16	1.2	1.1	.85	.70	.60	.40	.35	9.1	94	31	7.3	3.5
17	1.2	1.2	.80	.70	.60	.40	.35	12	77	31	6.9	3.3
18	1.2	1.2	.80	.70	.60	.40	.35	12	90	28	6.6	3.2
19	1.2	1.2	.80	.70	.60	.40	.35	15	65	25	6.3	3.2
20	1.2	1.1	.80	.70	.60	.40	.35	24	58	24	6.1	3.2
21	1.2	1.1	.80	.70	.60	.40	.35	17	56	23	6.1	3.2
22	1.4	1.2	.80	.70	.60	.40	.35	14	55	22	6.2	3.1
23	1.8	1.2	.80	.70	.60	.40	.84	11	64	21	5.8	3.0
24	1.4	1.2	.80	.70	.60	.40	.84	11	77	19	5.5	2.9
25	1.3	1.1	.80	.70	.60	.40	.35	11	73	19	5.3	2.8
26	1.3	1.0	.80	.60	.60	.40	.35	11	61	18	5.1	2.8
27	1.3	.95	.80	.60	.60	.40	.35	13	57	17	5.0	2.7
28	1.3	.90	.80	.60	.60	.40	.35	13	58	17	4.9	2.7
29	1.0	.85	.80	.60	---	.40	.35	13	61	16	4.7	2.7
30	1.2	.86	.80	.60	---	.40	.35	14	64	16	4.5	2.7
31	1.3	---	.80	.60	---	.84	---	17	---	15	4.4	---
TOTAL	41.8	35.36	25.73	21.10	16.80	14.34	11.48	231.94	1760	1034	246.3	106.8
MEAN	1.35	1.18	.83	.68	.60	.46	.38	7.48	58.7	33.4	7.95	3.56
MAX	1.8	1.4	.92	.70	.60	.84	.84	24	94	65	14	5.0
MIN	1.0	.85	.80	.60	.60	.40	.35	.29	20	15	4.4	2.7
AC-FT	83	70	51	42	33	28	23	460	3490	2050	489	212
CAL YR 1974	TOTAL	1056.80	MEAN	2.90	MAX	29	MIN	.59	AC-FT	2100		
WTR YR 1975	TOTAL	3545.65	MEAN	9.71	MAX	94	MIN	.29	AC-FT	7030		

PEAK DISCHARGE (BASE, 50 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-8	2000	2.96	75	6-18	1100	3.14	106
6-14	2100	3.24	127	6-24	2000	3.09	97

NOTE.-- No gage-height record Dec. 17 to Apr. 30.

GREEN RIVER BASIN

59

09268900 Brownie Canyon above sinks, near Dry Fork, Utah

LOCATION.--Lat 40°39'34", long 109°45'01", in SW¼NE¼ sec.11, T.2 S., R.19 E. (unsurveyed), Uintah County, Ashley National Forest, on right bank 4.5 miles (7.2 km) upstream from mouth and 8.5 miles (13.7 km) northwest of town of Dry Fork.

DRAINAGE AREA.--8.24 mi² (21.34 km²).

PERIOD OF RECORD.--October 1960 to current year. Published as East Fork of Dry Fork above sinks, near Dry Fork prior to October 1967.

GAGE.--Water-stage recorder. Altitude of gage is 8,300 ft (2,530 m) from topographic map.

AVERAGE DISCHARGE.--15 years, 14.0 ft³/s (0.396 m³/s), 10,140 acre-ft/yr (12.5 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 265 ft³/s (7.50 m³/s) June 14 (gage height, 2.02 ft or 0.616 m); minimum not determined, occurred during winter period.

Period of record: Maximum discharge, 395 ft³/s (11.2 m³/s) June 10, 1965 (gage height, 2.12 ft or 0.646 m), from rating curve extended above 160 ft³/s (4.53 m³/s); no flow for part of Apr. 23, 1961.

REMARKS.--Records good except those for period of no gage-height record, which are poor. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.2	1.8	1.6	1.6	1.5	1.4	1.3	28	84	25	8.5
2	2.5	2.0	1.8	1.6	1.6	1.5	1.4	1.3	36	82	24	8.2
3	2.7	1.9	1.8	1.6	1.6	1.5	1.4	1.7	53	82	23	7.8
4	2.8	1.8	1.8	1.6	1.6	1.5	1.4	2.4	68	81	22	7.7
5	3.1	2.0	1.8	1.6	1.6	1.5	1.4	1.6	86	84	21	7.4
6	2.8	2.0	1.8	1.6	1.6	1.5	1.3	1.6	92	81	20	7.0
7	2.8	2.0	1.8	1.6	1.6	1.5	1.3	1.7	90	86	19	6.9
8	2.5	2.0	1.8	1.6	1.6	1.5	1.3	1.7	92	82	18	6.7
9	2.3	2.0	1.8	1.6	1.6	1.5	1.3	2.0	83	81	17	6.5
10	2.3	2.0	1.8	1.6	1.6	1.5	1.3	3.0	57	77	17	8.1
11	2.3	2.0	1.8	1.6	1.6	1.5	1.3	4.6	54	72	17	7.5
12	2.3	2.0	1.8	1.6	1.6	1.5	1.3	4.9	68	68	17	6.7
13	2.3	2.0	1.8	1.6	1.6	1.5	1.3	6.4	115	74	18	6.8
14	2.3	2.0	1.8	1.6	1.6	1.5	1.3	9.3	158	71	17	6.5
15	2.2	2.0	1.8	1.6	1.6	1.5	1.3	12	149	59	16	6.4
16	2.2	2.0	1.8	1.6	1.6	1.4	1.3	16	118	66	15	6.2
17	2.0	2.0	1.8	1.6	1.6	1.4	1.3	26	90	69	14	5.7
18	2.0	2.0	1.8	1.6	1.6	1.4	1.3	35	112	59	14	5.4
19	2.0	2.0	1.8	1.6	1.6	1.4	1.3	41	77	52	13	5.3
20	2.0	2.0	1.8	1.6	1.6	1.4	1.3	64	70	49	13	5.1
21	2.0	2.0	1.8	1.6	1.6	1.4	1.3	36	63	48	13	5.0
22	2.3	2.0	1.8	1.6	1.6	1.4	1.3	28	61	46	13	4.8
23	3.6	2.0	1.8	1.6	1.6	1.4	1.3	23	84	43	12	4.4
24	2.5	2.0	1.8	1.6	1.6	1.4	1.3	20	95	40	11	4.4
25	2.0	2.0	1.8	1.6	1.6	1.4	1.3	21	88	36	11	4.4
26	1.8	1.8	1.8	1.6	1.6	1.4	1.3	21	78	34	10	4.4
27	2.0	1.8	1.8	1.6	1.6	1.4	1.3	23	84	33	10	4.4
28	2.2	1.8	1.8	1.6	1.6	1.4	1.3	24	87	30	9.7	4.2
29	1.9	1.8	1.8	1.6	---	1.4	1.3	23	85	29	9.3	4.1
30	2.2	1.8	1.8	1.6	---	1.4	1.3	22	85	29	8.9	4.0
31	2.2	---	1.8	1.6	---	1.4	---	23	---	26	8.5	---
TOTAL	72.6	58.9	55.8	49.6	44.8	44.9	39.5	501.5	2506	1853	476.4	180.5
MEAN	2.34	1.96	1.80	1.60	1.60	1.45	1.32	16.2	83.5	59.8	15.4	6.02
MAX	3.6	2.2	1.8	1.6	1.6	1.5	1.4	64	158	86	25	8.5
MIN	1.8	1.8	1.8	1.6	1.6	1.4	1.3	1.3	28	26	8.5	4.0
AC-FT	144	117	111	98	89	89	78	995	4970	3680	945	358

CAL YR 1974 TOTAL 2311.4 MEAN 6.33 MAX 81 MIN 1.5 AC-FT 4580
WTR YR 1975 TOTAL 5883.5 MEAN 16.1 MAX 158 MIN 1.3 AC-FT 11670

PEAK DISCHARGE (BASE, 100 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-8	2200	1.42	126	6-24	2000	1.46	134
6-14	2000	2.02	265				

NOTE.--No gage-height record Dec. 1 to May 1.

GREEN RIVER BASIN

09270500 Dry Fork at mouth, near Dry Fork, Utah

LOCATION.--Lat 40°31'35", long 109°36'18", in SE¼NE¼SW¼ sec.30, T.3 S., R.21 E., Uintah County, on left bank 900 ft (274 m) upstream from mouth and 4 miles (6 km) southeast of town of Dry Fork.

DRAINAGE AREA.--116 mi² (300 km²).

PERIOD OF RECORD.--July 1954 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,842.9 ft (1,780.92 m) above mean sea level, adjustment of 1927.

AVERAGE DISCHARGE.--21 years, 27.1 ft³/s (0.767 m³/s), 19,630 acre-ft/yr (24.2 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 902 ft³/s (25.5 m³/s) June 16 (gage height, 4.77 ft or 1.454 m); maximum gage height, 5.05 ft (1.539 m) June 18; minimum discharge, 0.04 ft³/s (0.001 m³/s) Oct. 1-3.
Period of record: Maximum discharge, 1,210 ft³/s (34.3 m³/s) Aug. 25, 1955, from rating curve extended above 450 ft³/s (12.7 m³/s) on basis of comparison with Ashley Creek at Sign of the Maine; maximum gage height, 6.00 ft (1.829 m) June 12, 1965; no flow for several periods in 1956-61, 1963, 1966, 1974.

REMARKS.--Records good except those for December and January, which are poor. Several diversions above station for irrigation, including Mosby Canal (see sta 09267500) which began diverting water for irrigation in Deep Creek basin during 1942 or 1943.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	1.6	1.4	1.5	1.7	2.2	1.7	.49	11	459	59	2.0
2	.04	1.9	1.4	1.5	1.7	2.5	1.6	.49	12	426	53	2.5
3	.04	1.5	1.4	1.5	1.6	2.6	1.3	.46	17	395	48	2.7
4	.13	1.3	1.4	1.5	1.6	2.8	.82	.38	22	368	46	2.3
5	.18	1.3	1.4	1.5	1.6	2.9	.79	.70	84	342	43	1.6
6	.20	1.3	1.3	1.5	1.5	3.6	.74	.64	231	356	40	1.6
7	.26	1.3	1.3	1.5	1.4	3.3	.85	.58	287	362	30	1.9
8	.37	1.3	1.1	1.5	1.4	3.5	.87	.52	327	327	24	2.3
9	.30	1.3	1.0	1.5	1.4	2.8	.89	.47	355	287	18	2.5
10	.38	1.2	1.2	1.5	1.4	2.5	1.0	.45	266	269	16	2.4
11	.49	1.2	1.3	1.5	1.5	2.4	1.2	.43	211	251	18	2.2
12	.65	1.2	1.3	1.5	1.4	2.4	1.3	.44	225	260	16	2.3
13	.78	1.2	1.2	1.5	1.4	2.0	1.3	.43	291	237	13	2.4
14	.75	1.2	1.4	1.5	1.4	1.9	1.2	.44	491	229	13	2.8
15	.74	1.2	1.5	1.5	1.4	2.1	1.2	.45	701	196	13	2.9
16	.74	1.2	1.5	1.5	1.4	2.0	.80	.45	686	204	12	2.3
17	.74	1.1	1.5	1.5	1.3	2.0	.81	.52	474	237	10	2.0
18	.74	1.1	1.5	1.5	1.3	2.1	.64	.57	505	208	9.1	2.3
19	.69	1.1	1.5	1.5	1.3	2.4	.62	.58	395	180	7.9	2.4
20	.86	1.0	1.5	1.5	1.3	2.5	.52	14	308	152	5.0	2.5
21	.85	1.0	1.5	1.6	1.3	2.4	.49	31	282	128	4.3	2.5
22	1.3	1.0	1.5	1.8	1.3	2.3	.49	30	271	118	5.1	2.5
23	1.2	1.0	1.3	1.8	1.3	1.7	.49	29	285	112	4.4	2.4
24	1.2	1.0	1.3	2.0	1.4	1.5	.49	26	338	102	3.8	2.3
25	1.0	1.1	1.3	2.3	1.4	1.9	.47	23	402	93	3.7	2.1
26	1.0	.99	1.3	2.4	1.4	2.1	.54	22	336	85	3.7	2.1
27	1.0	.96	1.3	2.0	1.6	1.6	.60	22	324	82	3.3	2.1
28	1.1	1.1	1.3	1.9	1.9	1.7	.55	19	381	75	3.5	2.1
29	2.4	1.1	1.3	1.7	---	1.7	.53	19	458	71	3.4	2.3
30	2.0	1.3	1.3	1.7	---	1.9	.52	13	535	70	2.8	2.4
31	1.6	---	1.3	1.7	---	1.8	---	10	---	64	1.7	---
TOTAL	23.77	36.05	41.8	50.9	40.6	71.1	25.32	267.49	9511	6745	533.7	68.7
MEAN	.77	1.20	1.35	1.64	1.45	2.29	.84	8.63	317	218	17.2	2.29
MAX	2.4	1.9	1.5	2.4	1.9	3.6	1.7	.31	701	459	59	2.9
MIN	.04	.96	1.0	1.5	1.3	1.5	.47	.38	11	64	1.7	1.6
AC-FT	47	72	83	101	81	141	50	531	18870	13380	1060	136

CAL YR 1974 TOTAL 1779.08 MEAN 4.87 MAX 225 MIN 0 AC-FT 3530
WTR YR 1975 TOTAL 17415.43 MEAN 47.7 MAX 701 MIN .04 AC-FT 34540

PEAK DISCHARGE (BASE, 250 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-9	0200	3.96	400	7-1	0200	4.97	597
6-16	2200	4.77	902				

GREEN RIVER BASIN

61

09271500 Ashley Creek near Jensen, Utah

LOCATION.--Lat 40°22'29", long 109°24'27", in NE¼NW¼NE¼ sec.23, T.5 S., R.22 E., Uintah County, on right bank just downstream from bridge on U.S. Highway 40, 3 miles (5 km) upstream from mouth and 3 miles (5 km) west of Jensen.

DRAINAGE AREA.--383 mi² (992 km²).

PERIOD OF RECORD.--October 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,795.36 ft (1,461.626 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 1,900 ft³/s (53.8 m³/s) June 16 (gage height, 5.85 ft or 1.783 m, from floodmarks); minimum discharge, 2.2 ft³/s (0.062 m³/s) Oct. 2.

Period of record: Maximum discharge, 2,790 ft³/s (79.0 m³/s) June 6, 1968 (gage height, 7.04 ft or 2.146 m); maximum gage height, 7.16 ft (2.182 m) June 11, 1965; no flow part of Aug. 9, 1956, and several days in August and September 1960.

REMARKS.--Records good except those for January and February, which are poor. Flow increased since July 1940 by water released from Oaks Park Reservoir, capacity, 6,250 acre-ft (7.71 hm³) on Big Brush Creek and diverted to Ashley Creek basin for irrigation. Large diversions above station for irrigation and municipal water supply mostly above station, including diversion to Steinaker Reservoir, constructed by the Bureau of Reclamation in 1961, capacity, 38,090 acre-ft (47.0 hm³). Records of Steinaker Reservoir diversion are in the Bureau of Reclamation office at Provo, Utah. Union Canal is only diversion between gage and mouth of creek.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	12	16	16	14	46	22	10	7.8	984	49	34
2	2.4	12	16	15	14	46	20	9.5	7.5	990	43	36
3	2.4	11	16	14	14	38	19	7.9	8.1	946	36	33
4	3.1	11	16	14	14	32	18	7.9	8.3	928	38	29
5	3.0	12	16	14	14	29	18	13	9.1	829	34	31
6	2.9	12	17	14	15	40	17	17	116	880	28	24
7	2.8	12	17	14	16	38	20	14	239	778	27	23
8	2.9	13	17	14	17	33	22	13	263	681	25	22
9	2.6	14	17	14	18	32	20	13	371	499	25	25
10	2.7	15	18	14	20	31	19	12	243	394	22	28
11	3.3	14	16	14	20	34	18	9.2	65	320	24	27
12	3.4	14	16	14	20	31	18	9.1	52	290	25	30
13	3.5	15	16	14	20	30	17	10	76	259	27	31
14	3.7	16	17	14	20	28	17	9.1	527	227	33	33
15	4.1	15	18	15	20	27	17	8.0	1070	180	39	34
16	4.7	16	16	16	20	25	17	8.0	1300	169	41	37
17	5.0	16	17	16	20	22	17	7.1	1150	378	38	36
18	6.0	16	16	16	20	22	16	6.9	886	304	35	36
19	5.9	16	16	16	20	22	15	6.2	729	235	33	37
20	6.2	16	17	16	20	23	13	16	282	186	30	36
21	6.4	16	15	16	20	24	13	50	318	118	29	38
22	7.4	17	15	16	20	22	12	22	521	88	28	46
23	8.5	17	14	16	22	20	12	16	624	69	31	43
24	8.2	17	14	16	24	19	12	12	785	60	28	42
25	8.2	17	14	16	27	24	12	11	950	55	29	43
26	8.5	17	13	16	28	33	11	12	656	57	33	43
27	8.5	17	13	16	30	22	12	12	627	46	38	43
28	8.8	17	13	16	43	20	11	15	715	40	39	41
29	13	17	14	16	---	21	12	14	882	37	36	41
30	14	17	15	16	---	20	11	14	948	48	31	45
31	12	---	16	16	---	21	---	13	---	44	31	---
TOTAL	176.7	447	487	470	570	875	478	397.9	14435.8	11119	1005	1047
MEAN	5.70	14.9	15.7	15.2	20.4	28.2	15.9	12.8	481	359	32.4	34.9
MAX	14	17	18	16	43	46	22	50	1300	990	49	46
MIN	2.4	11	13	14	14	19	11	6.2	7.5	37	22	22
AC-FT	350	887	966	932	1130	1740	948	789	28630	22050	1990	2080
CAL YR 1974	TOTAL	7739.46	MEAN 21.2	MAX 176	MIN 2.4	AC-FT 15350						
WTR YR 1975	TOTAL	31508.40	MEAN 86.3	MAX 1300		AC-FT 62500						

GREEN RIVER BASIN

09275000 West Fork Duchesne River below Dry Hollow, near Hanna, Utah

LOCATION.--Lat 40°26'55", long 110°58'30", in SW¼SW¼ sec.25, T.1 N., R.10 W., Uintah meridian, Wasatch County, on right bank 300 ft (90 m) downstream from Dry Hollow, 5 miles (8 km) upstream from Wolf Creek, and 12 miles (19 km) northwest of Hanna.

DRAINAGE AREA.--43.8 mi² (113 km²) (revised).

RECORDS AVAILABLE.--August 1949 to September 1968, August 1974 to September 1975.

GAGE.--Water-stage recorder. Altitude of gage is 7,656 ft (233.4 m) from topographic map.

AVERAGE DISCHARGE.--20 years (1950-68, 1975), 38.0 ft³/s (1.076 m³/s), 27,530 acre-ft/yr (33.9 hm³/yr).

EXTREMES.--Period August 15 to September 30, 1974; maximum discharge, 46 ft³/s (1.30 m³/s) Sept. 5 (gage height 2.07 ft or 0.631 m); minimum 9.8 ft³/s (0.28 m³/s) Sept. 8, 9.

Current year: Maximum discharge, 740 ft³/s (21.0 m³/s) June 14 (gage height 4.65 ft or 1.417 m); minimum 7.0 ft³/s (0.20 m³/s) several days.

Period of record: Maximum discharge, 740 ft³/s (21.0 m³/s) June 14 (gage height 4.65 ft or 1.417 m); minimum, 2.6 ft³/s (0.07 m³/s) sometime between Dec. 20, 1956, and Mar. 7, 1957, from recorded range in stage, result of freezeup.

REMARKS.--Records good except those for winter period, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, 1974

DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP
1		12	7		11	13		12	19	13	11	25	12	10
2		11	8		11	14		12	20	13	11	26	12	10
3		10	9		11	15	14	12	21	13	11	27	12	10
4		11	10		11	16	14	12	22	13	11	28	12	11
5		12	11		11	17	14	11	23	13	11	29	12	11
6		11	12		13	18	13	11	24	12	11	30	12	11
												31	11	
Total														334
Max														13
Min														10
Mean														11.1
Runoff in acre-feet														662

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	11	9.8	8.4	8.2	9.0	8.4	10	183	172	35	18
2	11	11	9.8	8.4	8.2	9.6	8.4	11	221	160	32	17
3	11	10	9.8	8.4	8.2	9.3	8.4	13	240	158	31	16
4	12	10	9.8	8.4	8.4	9.6	8.4	16	265	152	30	17
5	12	10	10	8.4	8.4	9.8	8.4	13	315	144	29	16
6	11	10	10	8.4	8.4	9.3	8.7	12	338	137	29	16
7	11	10	9.3	8.4	8.4	9.0	8.4	11	411	122	27	16
8	11	10	9.3	8.4	8.4	9.3	8.4	11	466	109	27	16
9	11	10	9.3	8.4	8.4	9.3	8.4	14	402	105	25	17
10	11	10	9.3	8.4	8.4	9.0	8.4	18	286	105	25	16
11	10	10	9.5	7.9	8.4	9.0	8.2	23	291	96	25	17
12	10	10	10	7.9	8.4	9.0	8.7	28	338	89	24	17
13	10	10	10	7.9	8.4	9.0	9.0	30	375	81	25	18
14	10	9.8	10	7.9	8.7	9.3	9.3	46	453	76	23	17
15	10	9.6	10	7.9	8.7	9.3	9.0	64	490	71	23	16
16	10	10	9.6	7.9	8.7	9.3	8.7	74	417	78	21	15
17	10	10	9.3	7.9	8.7	9.3	8.4	84	346	74	21	16
18	10	10	10	7.9	8.7	9.3	8.7	99	329	62	21	15
19	10	10	8.7	7.9	8.7	9.3	8.7	135	265	57	20	15
20	10	10	8.7	7.9	8.7	9.3	8.7	172	221	53	21	15
21	11	10	8.7	7.9	8.7	9.0	9.0	129	198	52	23	14
22	11	10	8.7	7.9	8.7	9.0	11	94	185	49	22	15
23	13	10	8.7	7.9	8.7	8.5	12	84	191	46	20	14
24	12	10	8.7	8.2	8.7	8.5	13	71	238	44	19	14
25	11	10	8.7	8.2	9.0	8.5	14	87	198	42	18	14
26	11	10	8.7	8.4	9.0	8.5	12	93	176	41	18	14
27	10	10	8.7	8.2	9.0	8.5	11	94	185	40	19	14
28	9.8	10	8.7	8.2	8.7	8.5	11	89	191	39	19	14
29	12	10	8.7	8.2	---	8.5	11	98	174	36	18	13
30	11	10	8.7	8.2	---	8.5	11	110	174	39	19	13
31	10	---	8.7	8.2	---	8.4	---	156	---	37	18	---
TOTAL	333.8	301.4	287.9	252.5	240.0	279.7	286.7	1989	8562	2566	727	465
MEAN	10.8	10.0	9.29	8.15	8.57	9.02	9.56	64.2	285	82.8	23.5	15.5
MAX	13	11	10	8.4	9.0	9.8	14	172	490	172	35	18
MIN	9.8	9.6	8.7	7.9	8.2	8.4	8.2	10	174	36	18	13
AC-FT	662	598	571	501	476	555	569	3950	16980	5090	1440	922

WTR YR 1975 TOTAL 16291.0 MEAN 44.6 MAX 490 MIN 7.9 AC-FT 32310

PEAK DISCHARGE (BASE, 300 cfs).--June 8 (0100) 614 cfs (4.38 ft.); June 14 (2100) 740 cfs (4.65 ft.).

GREEN RIVER BASIN

63

09275500 West Fork Duchesne River near Hanna, Utah

LOCATION.--Lat 40°27'01", long 110°53'01", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.1 N., R.9 W., Uintah meridian, Duchesne County, on left bank 1,500 ft (457 m) upstream from Wolf Creek, and 7.1 miles (11.4 km) northwest of Hanna.

DRAINAGE AREA.--61 mi² (158 km²), approximately.

PERIOD OF RECORD.--May to October 1904 (gage heights only, fragmentary), August 1921 to March 1922, October 1922 to September 1923, October 1945 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,218 ft (2,200 m) from topographic map. Prior to Oct. 1, 1923, nonrecording gages at approximately same site at different datums.

AVERAGE DISCHARGE.--31 years (1922-23, 1945-75), 49.1 ft³/s (1.39 m³/s), 35,570 acre-ft/yr (43.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 752 ft³/s (21.3 m³/s) June 14 (gage height, 3.67 ft or 1.12 m); minimum recorded, 0.19 ft³/s (0.005 m³/s) Mar. 29, result of freezeup, but may have been lower during periods of no gage-height record.

Period of record: Maximum discharge recorded, 758 ft³/s (21.5 m³/s) June 5, 1967; maximum gage height, (4.40 ft or 1.341 m) June 4, 1952; minimum discharge recorded, 0.19 ft³/s (0.005 m³/s) Mar. 29, 1975, result of freezeup, but may have been lower during periods of no gage-height record.

REMARKS.--Records good except those for period of no gage-height record, which are fair. One small diversion for irrigation of about 100 acres (405,000 m²) above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	22	17	15	15	16	14	24	235	193	48	30
2	17	21	18	15	15	16	16	25	275	182	47	29
3	18	20	18	15	15	16	15	29	291	182	46	28
4	19	18	18	15	15	15	17	34	285	177	44	27
5	19	18	19	15	14	15	17	31	319	165	43	27
6	19	19	18	15	13	16	17	27	361	157	42	26
7	18	17	18	15	15	16	17	27	384	148	39	26
8	18	18	13	15	14	16	16	27	486	139	37	26
9	18	20	10	15	14	16	16	31	391	135	39	28
10	18	17	19	15	14	16	18	40	298	133	39	27
11	19	17	19	15	15	16	17	53	291	120	38	26
12	18	18	18	15	13	16	18	59	342	112	39	27
13	18	20	18	15	16	16	19	58	404	105	40	28
14	18	19	21	15	15	17	20	75	496	96	40	28
15	18	19	18	15	14	16	20	88	512	93	37	26
16	18	17	18	15	14	17	20	101	425	100	37	25
17	18	16	17	15	9.2	16	20	114	322	91	36	25
18	18	19	17	15	14	17	20	129	287	83	35	24
19	18	17	18	15	14	17	20	171	234	79	34	24
20	18	14	18	15	15	17	21	198	213	74	37	24
21	18	18	18	15	7.1	17	23	124	199	71	38	24
22	20	20	18	15	8.5	17	28	100	195	69	37	24
23	22	16	17	15	15	16	30	90	204	63	35	24
24	22	17	16	15	15	17	30	94	233	61	33	24
25	21	18	15	15	15	17	33	110	243	58	32	24
26	20	17	15	15	14	16	29	108	213	55	31	24
27	20	17	15	15	15	17	25	114	221	55	31	24
28	20	19	15	15	15	7.4	24	111	218	53	32	24
29	24	14	15	15	---	9.2	23	125	210	50	31	24
30	22	15	15	15	---	17	23	150	201	53	31	24
31	22	---	15	15	---	16	---	193	---	50	31	---
TOTAL	593	537	524	465	387.8	489.6	626	2660	8988	3202	1159	771
MEAN	19.1	17.9	16.9	15.0	13.9	15.8	20.9	85.8	300	103	37.4	25.7
MAX	24	22	21	15	16	17	33	198	512	193	48	30
MIN	17	14	10	15	7.1	7.4	14	24	195	50	31	24
AC-FT	1180	1070	1040	922	769	971	1240	5280	17830	6350	2300	1530
CAL YR 1974 TOTAL	17861.0											
WTR YR 1975 TOTAL		20402.4										
MEAN	48.9	55.9										
MAX	430	512										
MIN	10	7.1										
AC-FT	35430	40470										

PEAK DISCHARGE (BASE, 300 CFS).--June 8 (0200) 622 cfs (3.54 ft.); June 14 (2300) 752 cfs (3.67 ft.).

NOTE.--No gage-height record Dec. 23 to Feb. 4.

GREEN RIVER BASIN

09276000 Wolf Creek above Rhoades Canyon, near Hanna, Utah

LOCATION.--Lat 40°28'16", long 110°55'05", in NE¼SW¼NW¼ sec.21, T.1 N., R.9 W., Uintah meridian, Wasatch County, Wasatch National Forest, on left bank 1.5 miles (2.4 km) upstream from Rhoades Canyon, 2.8 miles (4.5 km) upstream from mouth, and 9 miles (14 km) northwest of Hanna.

DRAINAGE AREA.--9 mi² (23 km²), approximately.

PERIOD OF RECORD.--October 1945 to current year.

GAGE.--Water-stage recorder and masonry control. Altitude of gage is 7,740 ft (2,359 m) from topographic map.

AVERAGE DISCHARGE.--30 years, 7.71 ft³/s (0.218 m³/s) 5,590 acre-ft/yr (6.89 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 74 ft³/s (2.10 m³/s) June 15 (gage height, 2.61 ft or 0.796 m); minimum, 3.0 ft³/s (0.085 m³/s) on many days in March and April.

Period of record: Maximum discharge, 82 ft³/s (2.32 m³/s) June 8, 1952 (gage height, 2.64 ft or 0.805 m); minimum, 0.2 ft³/s (0.01 m³/s) sometime during Jan. 2-31, 1962, probably result of temporary obstruction upstream.

REMARKS.--Records good except those for period of no gage-height record, which are fair. No diversions above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	4.6	4.6	3.9	3.5	3.3	3.2	3.5	23	35	17	11
2	5.5	4.6	4.4	3.9	3.5	3.3	3.2	3.7	26	34	17	11
3	5.5	4.6	4.4	3.9	3.5	3.3	3.2	3.7	26	34	16	11
4	5.5	4.6	4.4	3.9	3.5	3.3	3.2	3.7	26	34	16	11
5	5.5	4.6	4.4	3.9	3.5	3.3	3.2	3.7	30	34	16	11
6	5.5	4.6	4.4	3.9	3.5	3.3	3.2	3.7	34	33	15	10
7	5.5	4.6	4.4	3.9	3.5	3.3	3.2	3.7	36	33	15	10
8	5.2	4.6	4.4	3.9	3.5	3.3	3.3	3.7	43	32	15	10
9	5.5	4.6	4.4	3.9	3.5	3.3	3.3	3.9	39	32	15	10
10	5.2	4.6	4.4	3.9	3.5	3.3	3.3	3.9	35	31	14	10
11	5.2	4.6	4.4	3.7	3.5	3.3	3.3	3.9	34	30	14	10
12	5.2	4.6	4.4	3.7	3.4	3.3	3.3	3.9	36	26	14	10
13	5.2	4.6	4.4	3.7	3.4	3.3	3.3	3.9	41	27	14	10
14	4.9	4.6	4.4	3.7	3.4	3.3	3.3	4.2	47	26	14	10
15	4.9	4.6	4.4	3.7	3.4	3.3	3.3	4.4	56	26	13	10
16	4.9	4.6	4.4	3.7	3.4	3.3	3.3	4.9	51	27	13	9.6
17	4.9	4.6	4.4	3.7	3.4	3.3	3.3	5.5	47	26	13	9.6
18	4.9	4.6	4.4	3.7	3.4	3.3	3.3	6.1	45	24	13	9.6
19	4.9	4.6	4.2	3.7	3.4	3.3	3.3	7.2	37	23	13	9.6
20	4.9	4.4	4.2	3.7	3.4	3.2	3.3	7.6	34	24	13	9.6
21	4.9	4.4	4.2	3.5	3.4	3.2	3.5	7.2	31	23	13	9.0
22	5.2	4.4	3.9	3.5	3.3	3.2	3.7	6.8	31	22	13	9.0
23	4.9	4.4	3.9	3.5	3.3	3.2	3.7	6.5	32	21	12	9.0
24	4.9	4.4	3.9	3.5	3.3	3.2	3.7	6.5	37	21	12	9.0
25	4.9	4.6	3.9	3.5	3.3	3.2	3.7	6.1	36	20	12	9.0
26	4.9	4.6	3.9	3.5	3.3	3.2	3.7	8.5	35	19	12	9.0
27	4.9	4.6	3.9	3.5	3.3	3.2	3.7	9.6	37	19	12	8.5
28	4.9	4.6	3.9	3.3	3.3	3.2	3.7	10	37	19	12	8.5
29	4.9	4.6	3.9	3.5	---	3.2	3.5	11	37	19	12	8.5
30	4.9	4.6	3.9	3.5	---	3.2	3.5	14	36	19	11	8.5
31	4.7	---	3.9	3.5	---	3.2	---	18	---	18	11	---
TOTAL	158.3	137.0	131.0	114.3	95.6	101.1	101.7	193.0	1095	811	422	291.0
MEAN	5.11	4.57	4.23	3.69	3.41	3.26	3.39	6.23	36.5	26.2	13.6	9.70
MAX	5.5	4.6	4.6	3.9	3.5	3.3	3.7	18	56	35	17	11
MIN	4.7	4.4	3.9	3.3	3.3	3.2	3.2	3.5	23	18	11	8.5
AC-FT	314	272	260	227	190	201	202	383	2170	1610	837	577
CAL YR 1974 TOTAL	2794.5											
WTR YR 1975 TOTAL	3651.0											
MEAN	7.66											
MAX	34											
MIN	2.7											
AC-FT	5540											
MEAN	10.0											
MAX	56											
MIN	3.2											
AC-FT	7240											

PEAK DISCHARGE (BASE, 25 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-8	2000	2.40	48	6-24	2000	2.39	45
6-15	2200	2.61	74				

NOTE.--No gage-height record Feb. 5 to Mar. 18.

GREEN RIVER BASIN

65

09277500 Duchesne River near Tabiona, Utah

LOCATION.--Lat 40°18'01", long 110°36'06", in SE¼SW¼SE¼ sec.18, T.2 S., R.6 W., Uintah meridian, Duchesne County, on left bank on upstream site of bridge on State Highway 35, 6 miles (10 km) upstream from Rock Creek, and 7 miles (11 km) southeast of Tabiona.

DRAINAGE AREA.--352 mi² (912 km²).

PERIOD OF RECORD.--October 1918 to current year. Monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Altitude of gage is 6,190 ft (1,887 m) from topographic map. Prior to Oct. 15, 1934, nonrecording gage, and Oct. 16, 1934 to Nov. 6, 1953, water-stage recorder, at site 0.5 mile (0.8 km) upstream at various datums. Nov. 7, 1953 to Nov. 7, 1972, at site 1 mile (2 km) upstream at different datum.

AVERAGE DISCHARGE.--57 years, 202 ft³/s (5,721 m³/s), 146,300 acre-ft/yr (180 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,200 ft³/s (62.3 m³/s) June 16 (gage height, 5.92 ft or 1.804 m); minimum, 46 ft³/s (1.30 m³/s) Dec. 29.

Period of record: Maximum discharge, 5,260 ft³/s (149 m³/s) June 16, 1963 (gage height, 7.97 ft or 2.429 m, from floodmarks), caused by failure of Little Deer Creek Dam 20 miles (32 km) upstream, from rating curve extended above 400 ft³/s (11.3 m³/s) on basis of slope-area measurement and area-velocity study of peak flow; minimum recorded, 27 ft³/s (0.76 m³/s) Oct. 17, 1934.

REMARKS.--Records good. Several diversions above station for irrigation, including a transmountain diversion through Duchesne Tunnel 20 miles (32 km) upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	139	102	93	97	132	87	83	418	1320	187	106
2	77	137	102	95	97	139	89	81	515	1330	183	104
3	77	132	103	95	95	121	89	87	570	1290	181	100
4	85	130	105	91	97	105	93	101	553	1300	175	96
5	91	123	111	89	97	103	89	95	574	1240	169	96
6	81	125	105	95	89	103	89	85	765	1150	167	95
7	79	123	109	95	99	93	89	83	1380	1080	162	95
8	79	121	99	95	99	89	83	83	1560	1050	150	95
9	87	123	99	95	97	91	85	85	1550	960	147	98
10	89	121	101	95	95	89	93	97	1180	888	139	98
11	93	115	105	95	91	87	89	123	1010	840	138	101
12	95	117	103	97	91	85	87	148	1100	798	132	100
13	97	119	103	95	101	81	89	125	1300	775	129	100
14	95	119	105	95	97	89	97	143	1730	775	127	107
15	101	119	105	95	89	85	99	172	1880	719	115	114
16	105	115	107	95	85	87	99	192	1650	758	109	112
17	99	113	105	95	85	85	93	222	1680	724	107	112
18	97	119	105	95	89	89	91	274	1400	590	106	111
19	99	117	109	95	91	89	91	331	1150	526	104	107
20	101	109	109	95	90	97	93	476	979	478	106	107
21	103	115	107	97	90	93	99	386	867	437	106	107
22	107	119	103	89	90	97	109	302	803	417	109	107
23	117	115	101	97	93	91	119	262	800	287	106	106
24	121	115	99	97	93	83	105	236	922	258	104	106
25	121	115	89	105	91	91	101	277	1150	235	104	107
26	119	110	89	101	91	93	95	268	960	195	104	106
27	123	110	83	97	95	83	87	271	1000	183	106	105
28	125	110	97	95	103	85	83	265	1160	179	106	102
29	167	98	87	87	---	87	79	274	1220	179	104	101
30	148	100	97	95	---	93	79	280	1270	221	104	102
31	141	---	97	99	---	97	---	355	---	197	103	---
TOTAL	3198	3543	3141	2949	2617	2932	2770	6262	33096	21379	3989	3103
MEAN	103	118	101	95.1	93.5	94.6	92.3	202	1103	690	129	103
MAX	167	139	111	105	103	139	119	476	1880	1330	187	114
MIN	77	98	83	87	85	81	79	81	418	179	103	95
AC-FT	6340	7030	6230	5850	5190	5820	5490	12420	65650	42410	7910	6150
CAL YR 1974	TOTAL	73358	MEAN 201	MAX 1460	MIN 63	AC-FT 145500						
WTR YR 1975	TOTAL	88979	MEAN 244	MAX 1880	MIN 77	AC-FT 176500						

PEAK DISCHARGE (BASE, 900 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-9	0800	5.32	1,720	7-2	0600	4.76	1,520
6-16	0700	5.92	2,200				

GREEN RIVER BASIN

09277800 Rock Creek above South Fork, near Hanna, Utah

LOCATION.--Lat 40°33'27", long 110°41'50", in NE¼ sec.20, T.2 N., R.7 W., Uintah meridian, Duchesne County, Ashley National Forest, on right bank 600 ft (180 m) downstream from Upper Still water campground horse-trail bridge, 0.9 mile (1.4 km) upstream from South Fork, and 11.2 miles (18.0 km) north of Hanna.

DRAINAGE AREA.--98 mi² (254 km²), approximately.

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

GAGE.--Water-stage recorder. Altitude of gage is 7,920 ft (2,414 m) from river-profile map.

AVERAGE DISCHARGE.--10 years, 147 ft³/s (4.163 m³/s), 106,500 acre-ft/yr (131 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,030 ft³/s (57.5 m³/s) June 15 (gage height, 4.96 ft or 1.512 m); minimum recorded, 16 ft³/s (0.45 m³/s) Apr. 9, 12, 13, result of freezeup.

Period of record: Maximum discharge, 2,760 ft³/s (78.2 m³/s) June 17, 1971 (gage height, 4.95 ft or 1.509 m); minimum measured, 9.9 ft³/s (0.28 m³/s) Mar. 21, 1974, result of freezeup.

REMARKS.--Records good except those for winter period, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	35	20	18	18	18	18	23	304	1220	257	63
2	28	34	20	18	18	18	18	24	399	1220	225	63
3	30	31	20	18	18	18	18	29	464	1150	200	60
4	34	30	20	18	18	18	18	36	460	1120	184	59
5	35	30	20	18	18	18	21	30	535	1060	172	58
6	33	30	20	18	18	18	20	27	704	1090	163	56
7	32	28	20	18	18	18	20	26	848	1040	157	53
8	31	29	20	18	18	18	21	27	936	943	148	55
9	31	29	20	18	18	18	20	30	868	855	138	56
10	31	26	20	18	18	18	20	39	646	888	131	55
11	30	30	20	18	18	18	20	57	597	828	126	57
12	29	28	20	18	18	18	20	69	692	765	133	57
13	29	29	20	18	18	18	20	67	943	716	137	57
14	28	27	20	18	18	18	20	104	1400	686	124	59
15	28	27	20	18	18	18	20	142	1580	641	118	59
16	28	25	20	18	18	18	21	157	1530	728	108	53
17	27	26	20	18	18	18	21	189	1110	619	104	51
18	27	26	20	18	18	18	21	215	855	525	99	48
19	27	25	20	18	18	18	22	260	658	473	96	46
20	27	18	20	18	18	18	22	263	545	437	98	46
21	28	27	20	18	18	18	23	194	492	412	94	44
22	30	28	20	18	18	18	25	161	464	399	94	44
23	35	25	20	18	18	18	26	150	501	364	89	44
24	35	27	20	18	18	18	26	153	602	334	83	43
25	32	27	20	18	18	18	28	178	728	307	79	42
26	31	25	20	18	18	18	25	176	608	284	76	40
27	30	23	20	18	18	18	23	180	722	263	74	40
28	31	23	20	18	18	18	23	167	895	257	73	40
29	34	17	20	18	---	18	23	165	1010	294	70	40
30	35	20	20	18	---	18	23	189	1160	433	68	39
31	34	---	20	18	---	18	---	244	---	317	65	---
TOTAL	948	805	620	558	504	558	646	3771	23256	20668	3783	1527
MEAN	30.6	26.8	20.0	18.0	18.0	18.0	21.5	122	775	667	122	50.9
MAX	35	35	20	18	18	18	28	263	1580	1220	257	63
MIN	27	17	20	18	18	18	18	23	304	257	65	39
AC-FT	1880	1600	1230	1110	1000	1110	1280	7480	46130	40990	7500	3030
CAL YR 1974	TOTAL	44057	MEAN 121	MAX 1490	MIN 17	AC-FT 87390						
WTR YR 1975	TOTAL	57644	MEAN 158	MAX 1580	MIN 17	AC-FT 114300						

PEAK DISCHARGE (BASE, 1,000 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-8	2000	3.93	1,040	7-1	2300	4.52	1,560
6-15	2300	4.96	2,030				

GREEN RIVER BASIN

67

09278000 South Fork Rock Creek near Hanna, Utah

LOCATION.--Lat 40°32'54", long 110°41'37", sec.21, T.2 N., R.7 W., Uintah meridian, Duchesne County, Ashley National Forest, on right bank 175 ft (53 m) upstream from road bridge, 0.5 mile (0.8 km) upstream from mouth, and 10.6 miles (17.1 km) northeast of Hanna.

DRAINAGE AREA.--14 mi² (36 km²), approximately.

PERIOD OF RECORD.--August 1953 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,860 ft (2,396 m) from river-profile map. Prior to July 23 at site 75 ft (23 m) downstream at different gage datum.

AVERAGE DISCHARGE.--22 years, 13.3 ft³/s (0.377 m³/s), 9,640 acre-ft/yr (11.9 km³/yr).

EXTREMES.--Current year: Maximum discharge, 189 ft³/s (5.35 m³/s) June 16 (gage height, 2.43 ft or 0.741 m) maximum gage height, 2.63 ft (0.202 m) July 10; minimum, 1.5 ft³/s (0.042 m³/s) Feb. 10.

Period of record: Maximum discharge, 189 ft³/s (5.35 m³/s) June 16, 1975 (gage height, 2.43 ft or 0.741 m); maximum gage height, 2.91 ft (0.887 m) Nov. 20, 1959 (backwater from ice); minimum discharge not determined, occurred during winter period of no gage-height record.

REMARKS.--Records good. Pipeline, capacity approximately 1.5 ft³/s (0.042 m³/s) that provides water for small hydro-electric plant and irrigation for dude ranch lying below station, diverts water from creek a short distance above station at times in summer months.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	4.4	3.5	2.8	2.1	2.0	2.0	2.2	51	102	29	9.6
2	3.0	4.4	3.5	2.8	2.1	2.0	1.9	2.4	60	108	27	9.3
3	3.2	4.4	3.5	2.8	2.1	2.0	1.9	3.4	54	111	26	9.3
4	3.8	4.4	3.5	3.0	2.1	2.0	2.0	3.6	50	113	24	9.0
5	3.6	4.4	3.5	3.0	2.1	2.0	1.9	2.8	56	110	22	9.0
6	3.2	4.4	3.2	2.8	2.1	2.0	1.9	2.8	69	108	22	9.0
7	3.2	4.4	3.2	2.6	2.1	2.0	1.9	2.5	70	104	20	8.7
8	2.6	4.4	3.2	2.8	2.0	2.0	1.9	2.5	78	102	19	8.7
9	2.6	4.4	3.2	2.6	2.0	2.0	1.9	3.0	75	102	18	8.7
10	3.2	4.4	3.2	2.6	1.9	2.0	1.9	4.7	64	97	18	8.4
11	4.0	4.0	3.2	2.5	2.1	2.0	1.9	7.9	54	92	17	8.4
12	4.0	4.0	3.2	2.6	2.1	2.0	1.9	8.4	64	87	18	8.4
13	4.0	4.0	3.2	2.6	2.1	2.0	2.0	10	97	83	17	8.4
14	3.8	4.0	3.2	2.5	2.0	2.0	2.0	17	117	80	16	8.7
15	3.8	4.0	3.2	2.5	2.0	2.0	2.0	21	139	77	16	8.0
16	4.0	4.0	3.0	2.4	2.0	2.0	2.0	23	144	78	15	7.7
17	4.0	4.0	3.0	2.4	2.0	2.0	1.9	29	125	73	14	7.7
18	4.0	4.0	2.8	2.4	2.0	1.9	1.9	39	108	66	14	7.4
19	3.8	4.0	2.8	2.4	2.0	2.0	1.9	46	92	62	14	7.4
20	3.8	4.0	2.6	2.4	2.0	2.0	2.0	44	78	58	14	7.1
21	4.0	3.8	2.6	2.4	2.0	2.0	2.2	29	66	53	13	7.1
22	4.4	3.6	2.6	2.2	2.0	2.0	2.6	23	59	50	13	7.1
23	5.6	3.4	2.6	2.2	2.0	2.0	2.8	20	61	46	13	6.9
24	5.0	3.2	2.6	2.1	2.0	1.9	2.8	20	62	44	12	6.9
25	4.4	3.2	2.6	2.2	2.0	2.0	3.0	25	67	41	11	6.6
26	4.2	3.2	2.6	2.1	2.0	2.0	2.5	25	66	38	11	6.6
27	4.2	3.2	2.6	2.1	2.0	2.0	2.4	26	71	37	11	6.6
28	4.4	3.2	2.6	2.1	2.0	2.0	2.2	25	83	35	10	6.4
29	5.0	3.2	2.6	2.1	---	2.0	2.2	28	89	36	10	6.4
30	4.7	3.5	2.6	2.1	---	2.0	2.2	34	95	41	10	6.4
31	4.7	---	2.8	2.2	---	2.0	---	42	---	32	9.6	---
TOTAL	121.2	117.5	92.5	76.3	56.9	61.8	63.6	572.2	2364	2266	503.6	235.9
MEAN	3.91	3.92	2.98	2.46	2.03	1.99	2.12	18.5	78.8	73.1	16.2	7.86
MAX	5.6	4.4	3.5	3.0	2.1	2.0	3.0	46	144	113	29	9.6
MIN	2.6	3.2	2.6	2.1	1.9	1.9	1.9	2.2	50	32	9.6	6.4
AC-FT	240	233	183	151	113	123	126	1130	4690	4490	999	468
CAL YR 1974 TOTAL	3990.7											
WTR YR 1975 TOTAL	6531.5											
MEAN 10.9												
MAX 54												
MIN 2.6												
AC-FT 7920												
MIN 1.9												
AC-FT 12960												

PEAK DISCHARGE (BASE, 60 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-19	2100	2.21	72	6-16	0100	2.43	189
6-8	1900	2.30	114	7-10	1600	2.63	164

GREEN RIVER BASIN

09278500 Rock Creek near Hanna, Utah

LOCATION.--Lat 40°32'44", long 110°39'20", in NE¼ sec.26, T.2 N., R.7 W., Uintah meridian, Duchesne County, Ashley National Forest, on right bank 1.2 miles (1.9 km) downstream from South Fork and 11.5 miles (18.5 km) northeast of Hanna.

DRAINAGE AREA.--120 mi² (311 km²), approximately.

PERIOD OF RECORD.--July 1949 to September 1969, August 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,620 ft (2,323 m) from river-profile map.

AVERAGE DISCHARGE.--21 years (1950-69, 1975), 156 ft³/s (4.42 m³/s) 113,000 acre-ft/yr (139 hm³/yr).

EXTREMES.--Period Aug. 14 to Sept. 30, 1974: Maximum discharge, 65 ft³/s (1.841 m³/s) Aug. 14 (gage height, 2.38 ft or 0.725 m); minimum discharge, 34 ft³/s (0.963 m³/s) Sept. 26, 27.

Current year: Maximum discharge, 2,120 ft³/s (60.0 m³/s) June 16 (gage height, 7.48 ft or 2.280 m); minimum daily, 19 ft³/s (0.54 m³/s) several days.

Period of record: Maximum discharge, 2,540 ft³/s (71.9 m³/s) June 13, 1953 (gage height, 8.60 or 2.621 m); minimum recorded, 4.7 ft³/s (0.13 m³/s) Apr. 12, 1953, result of freezeup.

REMARKS.--Records good except for winter period, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, 1974

DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP
1		45	7		41	13		41	19	56	38	25	51	35
2		45	8		41	14	63	41	20	55	37	26	50	35
3		44	9		41	15	62	41	21	54	37	27	50	34
4		44	10		40	16	61	41	22	54	37	28	50	36
5		43	11		40	17	59	39	23	52	37	29	49	37
6		42	12		41	18	58	39	24	52	35	30	48	35
												31	46	
Total.														1,182
Max.														45
Min.														34
Mean														39.4
Runoff in acre-feet.														2,340

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	44	29	22	21	21	21	24	350	1340	302	83
2	34	42	29	22	21	21	21	24	450	1330	265	82
3	37	39	29	22	21	21	21	30	600	1290	244	79
4	46	37	29	22	21	21	21	40	570	1320	228	78
5	46	35	29	22	21	19	20	35	650	1290	219	76
6	43	34	27	22	21	20	20	30	800	1320	211	74
7	40	31	28	22	21	21	20	28	900	1250	202	73
8	38	34	25	22	21	22	19	27	980	1170	192	74
9	37	34	24	22	21	21	19	30	940	1060	186	75
10	38	30	24	22	21	20	20	45	800	1100	177	74
11	36	32	24	22	21	20	20	70	700	1020	172	75
12	35	32	24	22	21	19	20	100	800	935	179	74
13	35	32	24	22	21	19	20	95	950	868	177	76
14	34	32	24	22	21	20	21	132	1560	830	161	79
15	33	31	24	22	21	20	20	177	1680	769	153	77
16	33	29	24	22	21	20	20	192	1790	847	145	74
17	33	29	24	22	21	20	21	230	1360	728	142	73
18	32	29	24	22	21	20	21	256	1020	624	133	68
19	32	29	24	22	21	20	22	313	793	564	127	66
20	31	26	24	22	21	20	23	338	674	516	132	65
21	33	29	24	22	21	20	25	250	607	475	130	64
22	38	29	24	22	21	20	30	230	576	467	126	63
23	47	29	24	22	21	21	33	210	620	426	116	62
24	45	29	24	22	21	21	33	200	729	396	112	60
25	39	29	24	22	21	21	35	230	916	365	105	58
26	38	29	24	22	21	21	29	230	737	340	103	57
27	37	29	24	22	21	21	25	230	860	318	98	56
28	40	29	24	22	21	21	25	220	1080	304	96	55
29	52	26	24	22	---	21	24	220	1220	342	92	54
30	55	28	24	22	---	21	24	230	1300	500	89	53
31	42	---	24	22	---	21	---	270	---	369	85	---
TOTAL	1194	947	777	682	588	634	693	4736	27012	24473	4899	2077
MEAN	38.5	31.6	25.1	22.0	21.0	20.5	23.1	153	900	789	158	69.2
MAX	55	44	29	22	21	22	35	338	1790	1340	302	83
MIN	31	26	24	22	21	19	19	24	350	304	85	53
AC-FT	2370	1880	1540	1350	1170	1260	1370	9390	53580	48540	9720	4120

WTR YR 1975 TOTAL 68712 MEAN 188 MAX 1790 MIN 19 AC-FT 136300

PEAK DISCHARGE (BASE, 1,100 CFS).--June 16 (0400) 2,120 cfs (7.48 ft); July 1 (2400) 1,680 cfs (6.86 ft).

NOTE.--No gage-height record Dec. 8 to Feb. 3.

09278700 Rock Creek below Miners Gulch near Hanna, Utah

LOCATION.--Lat 40°31'57", long 110°37'22", in NW¼NE¼ sec.36, T.2 N., R.7 W., Uintah meridian, Duchesne County on left bank 500 ft (152 m) below Miners Gulch, 2.5 miles (4.0 km) upstream from Peterson Gulch and 11.0 miles (17.7 km) northeast of Hanna, Utah.

DRAINAGE AREA.--131 mi² (339 km²).

PERIOD OF RECORD.--August 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 7,470 ft (2,277 m) from topographic map.

EXTREMES.--Aug. 14 to Sept. 30, 1974: Maximum discharge, 65 ft³/s (1.84 m³/s) Aug. 14 (gage height 3.01 ft or 0.917 m) result of discharge measurement, minimum, 27 ft³/s (0.76 m³/s) Sept. 26, 27, 30.

Current year: Maximum discharge, 2,090 ft³/s (59.2 m³/s) June 15 (gage height 5.45 ft or 1.661 m); minimum, 11 ft³/s (0.31 m³/s) Apr. 12.

REMARKS.--Records good except those for winter period, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, 1974

DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP
1		37	7		34	13		35	19	50	30	25	45	28
2		37	8		34	14	59	35	20	49	29	26	44	28
3		37	9		34	15	58	35	21	48	29	27	42	27
4		36	10		32	16	56	33	22	47	29	28	40	29
5		35	11		33	17	54	32	23	46	29	29	40	29
6		35	12		34	18	52	31	24	45	29	30	40	28
												31	39	
Total														963
Max.														37
Min.														27
Mean														32.1
Runoff in acre-feet														1,910

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	37	22	20	17	15	18	20	350	1310	316	93
2	27	37	21	20	17	15	17	20	450	1260	316	92
3	29	33	21	20	17	15	16	27	600	1270	289	88
4	36	31	22	20	17	15	15	36	600	1270	254	86
5	38	31	22	20	17	15	15	28	680	1240	241	84
6	35	30	22	20	17	15	15	25	800	1260	231	81
7	33	27	22	20	17	15	14	23	917	1240	222	80
8	31	29	22	20	17	15	14	22	998	1210	211	80
9	31	30	22	20	17	15	14	25	939	1060	199	84
10	31	25	22	20	17	15	14	35	780	1070	189	80
11	31	29	22	20	17	15	15	59	722	1050	183	82
12	31	29	22	20	17	15	15	86	810	906	189	81
13	30	29	22	20	17	15	16	91	1020	873	194	81
14	29	27	22	20	17	15	15	129	1420	840	178	88
15	28	28	22	20	17	15	15	189	1670	790	166	84
16	28	25	22	20	17	15	15	209	1590	851	157	77
17	28	24	22	20	17	15	15	240	1210	760	148	71
18	27	26	22	20	17	15	16	271	939	650	142	68
19	27	26	22	20	17	15	16	312	750	586	137	65
20	27	20	22	20	17	15	17	321	634	528	140	64
21	29	25	22	20	17	15	20	250	570	488	137	63
22	31	25	22	20	17	15	24	230	535	481	135	63
23	41	25	22	20	17	16	27	210	578	438	123	59
24	40	25	22	20	17	16	26	200	695	411	114	57
25	34	25	22	20	17	17	29	240	810	384	110	56
26	32	23	22	20	17	17	22	230	695	360	107	55
27	31	23	22	20	17	17	20	235	800	342	107	53
28	33	23	22	20	17	17	20	220	986	329	107	49
29	41	23	22	20	---	17	19	220	1140	360	102	50
30	39	23	22	20	---	17	19	240	1290	494	100	49
31	37	---	22	20	---	17	---	280	---	375	96	---
TOTAL	992	813	680	620	476	481	533	4723	25978	24486	5340	2163
MEAN	32.0	27.1	21.9	20.0	17.0	15.5	17.8	152	866	790	172	72.1
MAX	41	37	22	20	17	17	29	321	1670	1310	316	93
MIN	27	20	21	20	17	15	14	20	350	329	96	49
AC-FT	1970	1610	1350	1230	944	954	1060	9370	51530	48570	10590	4290

WTR YR 1975 TOTAL 67285 MEAN 184 MAX 1670 MIN 14 AC-FT 133500

PEAK DISCHARGE (BASE, 1,100 CFS).--June 15 (1900) 2,090 cfs (5.45 ft); July 1 (2100) 1,570 cfs (5.21 ft.).

GREEN RIVER BASIN

09279000 Rock Creek near Mountain Home, Utah

LOCATION.--Lat 40°29'36", long 110°34'39", in SE¼NW¼SW¼ sec.9, T.1 N., R.6 W., Uintah meridian, Duchesne County, Uintah and Ouray Indian Reservation, on right bank at Lower Stillwater damsite "B", 0.1 mile (0.2 km) upstream from Corral Creek, 6.8 miles (10.9 km) downstream from South Fork, and 11.9 miles (19.1 km) northwest of Mountain Home.

DRAINAGE AREA.--149 mi² (386 km²), approximately.

PERIOD OF RECORD.--October 1937 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,250 ft (2,210 m) from river-profile map. Prior to Apr. 12, 1939, nonrecording gage at site 300 ft (91 m) upstream at different datum.

AVERAGE DISCHARGE.--38 years, 174 ft³/s (4.928 m³/s), 126,100 acre-ft/yr (155 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,260 ft³/s (64.0 m³/s) June 16 (gage height, 5.54 ft or 1.689 m); minimum, 7.2 ft³/s (0.20 m³/s) Nov. 20 (probably caused by ice jams above station).

Period of record: Maximum discharge, 2,920 ft³/s (82.7 m³/s) June 18, 1971 (gage height, 5.98 ft or 1.823 m); maximum gage height, 6.02 ft (1.835 m) June 14, 1953; minimum discharge recorded, 7 ft³/s (0.2 m³/s) Mar. 13, 1940, Mar. 20, 1942 (probably caused by ice jams above station).

REMARKS.--Records good except for period of no gage-height record, which are fair. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	63	38	40	40	40	38	45	389	1490	359	104
2	52	63	40	40	40	40	43	46	511	1520	316	102
3	53	59	40	40	40	40	44	52	622	1460	287	99
4	63	57	44	40	40	40	43	63	613	1420	267	97
5	68	56	44	40	40	40	42	56	718	1400	251	95
6	60	54	42	40	40	40	42	50	927	1390	239	93
7	55	49	44	40	40	40	42	49	1060	1360	228	90
8	54	52	37	40	40	40	43	48	1200	1290	215	91
9	53	54	37	40	40	40	44	50	1170	1150	204	96
10	55	47	39	40	40	40	44	59	912	1180	195	97
11	54	48	40	40	40	40	44	82	801	1120	190	104
12	53	50	41	40	40	40	44	106	909	1030	194	101
13	52	52	39	40	40	40	45	93	1110	964	202	103
14	52	48	37	40	40	40	44	135	1550	939	185	109
15	52	49	42	40	40	40	44	185	1830	868	175	103
16	51	46	43	40	40	40	43	200	1900	959	166	96
17	50	45	43	40	40	40	43	239	1510	858	160	92
18	50	49	42	40	40	40	43	268	1150	729	154	87
19	51	45	43	40	40	40	44	339	938	666	150	85
20	49	37	43	40	40	40	47	392	761	611	153	83
21	51	49	44	40	40	40	51	287	697	570	150	82
22	56	51	43	40	40	40	55	236	652	560	150	81
23	67	43	37	40	40	40	57	217	693	500	140	79
24	63	46	38	40	40	40	56	209	783	450	131	78
25	58	46	39	40	40	40	59	244	964	400	124	76
26	55	43	40	40	40	40	51	237	800	370	121	75
27	54	40	40	40	40	40	45	248	905	340	118	74
28	59	43	40	40	40	40	46	229	1090	330	117	73
29	75	33	40	40	---	40	43	228	1250	420	112	72
30	66	35	40	40	---	40	42	245	1400	550	110	71
31	65	---	41	40	---	40	---	317	---	400	107	---
TOTAL	1746	1452	1260	1240	1120	1240	1371	5254	29815	27294	5670	2688
MEAN	56.3	48.4	40.6	40.0	40.0	40.0	45.7	169	994	880	183	89.6
MAX	75	63	44	40	40	40	59	392	1900	1520	359	109
MIN	49	33	37	40	40	40	38	45	389	330	107	71
AC-FT	3460	2880	2500	2460	2220	2460	2720	10420	59140	54140	11250	5330
CAL YR 1974	TOTAL	55294	MEAN 151	MAX 1520	MIN 33	AC-FT 109700						
WTR YR 1975	TOTAL	80150	MEAN 220	MAX 1900	MIN 33	AC-FT 159000						

PEAK DISCHARGE (BASE, 1,200 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-8	2400	4.76	1,390	7-2	0200	5.12	1,750
6-16	0300	5.54	2,260				

NOTE.--No gage-height record Jan. 3 to Mar. 31.

GREEN RIVER BASIN

71

09279100 Rock Creek near Talmage, Utah

LOCATION.--Lat 40°18'40", long 110°29'36", in SE¼NE¼NW¼ sec.18, T.2 S., R.5 W., Uintah meridian, Duchesne County, Uintah and Ouray Indian Reservation, on left bank 1.5 miles (2.4 km) upstream from mouth, 4.1 miles (6.6 km) southwest of Talmage and 11.1 miles (17.9 km) northwest of Duchesne.

DRAINAGE AREA.--240 mi² (622 km²), approximately.

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6,119.3 ft (1,865.16 m) above mean sea level, adjustment of 1927.

AVERAGE DISCHARGE.--12 years, 195 ft³/s (5,522 m³/s), 141,300 acre-ft/yr (174 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,830 ft³/s (51.8 m³/s) June 16 (gage height, 3.94 ft or 1.201 m); minimum recorded, 29 ft³/s (0.59 m³/s) Feb. 6 (result of discharge measurement).

Period of record: Maximum discharge, 2,320 ft³/s (65.7 m³/s) July 29, 1968 (gage height, 4.37 ft or 1.332 m); minimum indicated, 21 ft³/s (0.59 m³/s) Nov. 26, 1967, Jan. 9, 1969, Mar. 29, 1972, Mar. 21, 1974, probably caused by ice jams above station.

REMARKS.--Records good except those for winter period, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	72	54	52	52	54	48	55	335	1350	350	111
2	55	72	54	52	52	56	47	55	426	1450	304	111
3	55	69	54	52	52	58	49	58	518	1400	275	106
4	64	67	54	52	52	58	51	69	512	1350	259	104
5	72	62	54	52	52	58	49	69	570	1350	244	102
6	67	59	54	52	52	58	51	61	771	1270	237	98
7	62	58	54	52	52	58	48	61	964	1290	226	98
8	61	61	54	52	52	58	44	58	1050	1230	215	96
9	59	56	52	52	52	58	47	58	1090	1070	205	108
10	61	53	52	52	52	53	49	64	835	1050	202	104
11	59	58	52	52	52	52	47	81	689	1080	195	106
12	59	61	52	52	52	49	48	108	764	964	198	104
13	58	58	52	52	52	48	52	106	941	865	212	102
14	58	58	52	52	52	51	55	130	1290	887	198	118
15	58	56	52	52	52	48	52	182	1520	771	185	111
16	58	53	52	52	52	49	52	205	1650	857	173	102
17	56	56	52	52	52	48	51	237	1450	820	166	98
18	56	53	52	52	52	51	51	255	1150	657	160	93
19	56	53	52	52	52	49	51	313	902	594	154	89
20	56	61	52	52	52	53	55	391	730	546	160	89
21	58	61	52	52	52	52	59	300	644	495	157	89
22	62	55	52	52	52	52	62	248	582	490	157	89
23	71	56	52	52	52	49	65	233	594	446	146	87
24	72	59	52	52	52	51	65	215	670	416	135	85
25	65	58	52	52	52	55	69	248	865	391	130	83
26	62	56	52	52	52	52	62	241	730	363	125	83
27	61	54	52	52	52	51	56	255	778	340	125	81
28	65	54	52	52	52	49	55	241	980	340	125	81
29	91	50	52	52	---	51	53	237	1120	400	120	80
30	76	54	52	52	---	56	51	237	1270	540	118	80
31	72	---	52	52	---	52	---	292	---	430	113	---
TOTAL	1938	1753	1628	1612	1456	1637	1594	5363	26390	25502	5769	2888
MEAN	62.5	58.4	52.5	52.0	52.0	52.8	53.1	173	880	823	186	96.3
MAX	91	72	54	52	52	58	69	391	1650	1450	350	118
MIN	53	50	52	52	52	48	44	55	335	340	113	80
AC-FT	3840	3480	3230	3200	2890	3250	3160	10640	52340	50580	11440	5730
CAL YR 1974	TOTAL	54878	MEAN 150	MAX 1420	MIN 39	AC-FT 108900						
WTR YR 1975	TOTAL	77530	MEAN 212	MAX 1650	MIN 44	AC-FT 153800						

PEAK DISCHARGE (BASE, 1,200 CFS).--June 16 (1000) 1,830 cfs (3.94 ft.); July 2 (0800) 1,630 cfs (3.74 ft)

GREEN RIVER BASIN

09279150 Duchesne River above Knight diversion, near Duchesne, Utah

LOCATION.--Lat 40°16'16", long 110°26'32", in SE¼SW¼SW¼ sec.27, T.2 S., R.5 W., Uintah meridian, Duchesne County, on left bank 50 ft (15 m) downstream from bridge on State Highway 35, 1.7 miles (2.7 km) upstream from Knight diversion dam, 3.9 miles (6.3 km) downstream from Rock Creek, and 7.7 miles (12.4 km) north-northwest of Duchesne.

DRAINAGE AREA.--620 mi² (1,610 km²), approximately.

PERIOD OF RECORD.--April 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,840 ft (1,780 m) from topographic map. Prior to Apr. 25, 1973, at a site 150 ft (46 m) upstream at different gage datum.

AVERAGE DISCHARGE.--5 years, 397 ft³/s (11.2 m³/s), 287,600 acre-ft/yr (355 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 4,150 ft³/s (118 m³/s) June 16 (gage height, 6.99 ft or 2.131 m); minimum, 101 ft³/s (2.86 m³/s) Dec. 24.

Period of record: Maximum discharge, 4,150 ft³/s (118 m³/s) June 16, 1975 (gage height, 6.99 ft or 2.131 m); minimum, 68 ft³/s (1.93 m³/s) Sept. 2, 1974.

REMARKS.--Records good. Several diversions above station for irrigation, including a transmountain diversion to The Great Basin through Duchesne tunnel.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	224	130	149	157	201	145	146	724	2630	468	184
2	118	224	140	151	153	240	139	136	932	2680	415	183
3	107	212	143	148	153	221	147	127	1110	2580	385	175
4	127	203	163	151	154	183	148	153	1070	2500	363	171
5	142	200	172	154	150	174	139	172	1120	2440	342	160
6	139	195	157	161	144	180	139	154	1410	2260	328	153
7	139	190	162	155	158	177	138	149	2080	2240	322	152
8	136	185	146	159	159	169	128	146	2320	2170	294	151
9	139	180	139	160	154	175	133	146	2320	1940	285	160
10	139	178	144	153	155	172	137	151	1760	1830	269	164
11	140	176	151	167	149	166	136	185	1540	1880	257	173
12	145	174	158	146	145	157	137	236	1690	1700	254	166
13	146	172	155	159	157	152	141	224	2110	1570	278	166
14	144	170	145	160	157	160	150	330	2840	1610	269	196
15	153	168	158	194	151	152	149	400	3330	1430	249	200
16	161	166	166	171	147	155	147	450	3840	1530	229	191
17	158	164	162	158	144	148	147	500	3120	1520	222	188
18	156	162	158	162	139	154	146	550	2530	1230	212	181
19	153	160	163	155	144	155	144	650	2140	1090	205	178
20	154	158	162	156	158	162	148	800	1740	999	213	175
21	153	156	167	151	136	156	158	636	1530	933	212	175
22	163	155	158	154	131	155	169	550	1370	899	218	175
23	180	155	127	156	151	150	178	496	1350	752	209	176
24	190	155	117	158	155	151	174	436	1490	665	198	172
25	192	155	136	172	153	166	182	502	1930	603	193	170
26	184	154	152	178	147	161	176	490	1700	518	186	167
27	186	152	162	161	152	148	162	502	1730	484	183	165
28	198	150	181	157	157	143	152	502	2090	484	185	161
29	272	120	179	135	---	141	147	490	2330	486	184	161
30	243	125	164	153	---	158	145	496	2480	625	181	160
31	231	---	155	162	---	160	---	606	---	566	178	---
TOTAL	5012	5138	4772	4906	4210	5142	4481	11511	57726	44844	7986	5149
MEAN	162	171	154	158	150	166	149	371	1924	1447	258	172
MAX	272	224	181	194	159	240	182	800	3840	2680	468	200
MIN	107	120	117	135	131	141	128	127	724	484	178	151
AC-FT	9940	10190	9470	9730	8350	10200	8890	22830	114500	88950	15840	10210

CAL YR 1974 TOTAL 132691 MEAN 364 MAX 2860 MIN 72 AC-FT 263200
WTR YR 1975 TOTAL 160877 MEAN 441 MAX 3840 MIN 107 AC-FT 319100

PEAK DISCHARGE (BASE, 1,400 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-20-73	0900	6.75	2,950	5-19-74	0700	Unknown	about 2,600	6-09-75	1000	6.67	2,550
6-02-73	0800	6.09	1,730	5-29-74	1000	7.10	3,160	6-16-75	0800	6.99	4,150
6-10-73	0600	6.71	2,550	6-15-74	1200	6.24	1,880	7-02-75	0900	6.76	3,030

GREEN RIVER BASIN

73

09280400 Hobble Creek at Daniels Summit, near Wallsburg, Utah

LOCATION.--Lat 40°17'54", long 111°15'52", in NW¼NW¼NE¼ sec.20, T.2 S., R.12 W., Uintah meridian, Wasatch County, on left bank about 1,000 ft (305 m) upstream from crossing of Hobble Creek ditch, 0.5 mile (0.8 km) west of Daniels Summit on U.S. Highway 40, and 10.5 miles (16.9 km) southeast of Wallsburg.

DRAINAGE AREA.--1.4 mi² (3.6 km²), approximately.

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 8,200 ft (2,499 m) from topographic map.

AVERAGE DISCHARGE.--12 years, 2.92 ft³/s (0.083 m³/s), 2,120 acre-ft/yr (2.61 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 145 ft³/s (4.11 m³/s) June 7 (gage height, 2.89 ft or 0.881 m); minimum, 0.03 ft³/s (0.001 m³/s) Sept. 1.

Period of record: Maximum discharge, 145 ft³/s (4.11 m³/s) June 7, 1975 (gage height, 2.89 ft or 0.881 m); no flow at times during February to April 1964, January to March 1966, Sept. 4, 1967, Aug. 10-17, 1970.

REMARKS.--Records fair except those for winter periods, which are poor. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.08	.45	.16	.15	.15	.20	.20	.45	31	11	.62	.06
2	.08	.16	.16	.15	.15	.20	.20	.62	40	9.4	.56	.08
3	.10	.12	.16	.15	.15	.20	.20	1.3	48	8.5	.56	.07
4	.14	.12	.16	.15	.15	.20	.20	1.6	46	6.9	.50	.05
5	.16	.12	.16	.15	.15	.20	.20	.75	57	6.2	.40	.06
6	.12	.12	.16	.15	.15	.20	.20	.56	71	4.9	.35	.06
7	.14	.11	.16	.15	.15	.20	.20	.50	66	4.0	.30	.06
8	.11	.30	.16	.15	.15	.20	.20	.56	81	4.3	.26	.05
9	.22	.14	.16	.15	.15	.20	.20	1.1	45	4.0	.22	.06
10	.19	.12	.16	.15	.15	.20	.20	2.9	30	3.6	.26	.06
11	.19	.12	.16	.15	.15	.20	.20	5.9	31	3.1	.19	.08
12	.16	.16	.16	.15	.15	.20	.20	5.5	39	2.9	.14	.09
13	.14	.12	.16	.15	.15	.20	.20	8.5	52	2.5	.22	.14
14	.14	.12	.16	.15	.15	.20	.20	14	62	2.3	.35	.12
15	.14	.12	.16	.15	.15	.20	.20	14	57	2.1	.16	.10
16	.12	.12	.16	.15	.15	.20	.20	15	47	2.7	.35	.09
17	.11	.14	.16	.15	.15	.20	.21	14	34	2.1	.12	.09
18	.12	.18	.16	.15	.15	.20	.21	18	27	1.6	.06	.09
19	.12	.18	.16	.15	.15	.20	.23	27	20	1.6	.06	.08
20	.12	.18	.16	.15	.15	.20	.25	23	17	1.4	.10	.07
21	.16	.18	.16	.15	.15	.20	.25	11	16	1.4	.14	.09
22	.22	.19	.16	.15	.15	.20	.30	6.5	15	1.3	.19	.10
23	.50	.19	.16	.15	.15	.20	.40	4.6	16	1.1	.12	.07
24	.40	.16	.16	.15	.15	.20	.62	5.9	16	1.0	.11	.07
25	.30	.19	.16	.15	.15	.20	.83	9.0	18	.92	.09	.06
26	.45	.18	.16	.15	.15	.20	.62	9.0	16	.83	.08	.06
27	.12	.18	.16	.15	.15	.20	.56	9.4	16	.83	.08	.06
28	.11	.18	.16	.15	.15	.20	.45	11	16	.75	.10	.06
29	.16	.18	.16	.15	---	.20	.45	12	14	.68	.09	.06
30	.14	.18	.16	.15	---	.20	.45	17	13	1.0	.08	.06
31	.45	---	.16	.15	---	.20	---	23	---	.75	.08	---
TOTAL	5.71	5.01	4.96	4.65	4.20	6.20	9.03	273.64	1057	95.66	6.94	2.25
MEAN	.18	.17	.16	.15	.15	.20	.30	8.83	35.2	3.09	.22	.07
MAX	.50	.45	.16	.15	.15	.20	.83	27	81	11	.62	.14
MIN	.08	.11	.16	.15	.15	.20	.20	.45	13	.68	.06	.05
AC-FT	11	9.9	9.8	9.2	8.3	12	18	543	2100	190	14	4.5

CAL YR 1974 TOTAL 1056.94 MEAN 2.90 MAX 38 MIN .04 AC-FT 2100
WTR YR 1975 TOTAL 1475.25 MEAN 4.04 MAX 81 MIN .05 AC-FT 2930

PEAK DISCHARGE (BASE, 30 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-19	2200	2.50	62	6-14	1900	2.67	100
6-7	2200	2.89	145				

NOTE.--No gage-height record Nov. 24 to Apr. 22.

GREEN RIVER BASIN

09285000 Strawberry River near Soldier Springs, Utah

LOCATION.--Lat°40 07'53", long 111°01'34", in NW¼NW¼NW¼ sec. 16, T.4 S., R.10 W., Uintah meridian, Wasatch County, on left bank 100 ft (30.5 m) below Soldier Creek Dam, 1.5 miles (2.4 km) upstream from Willow Creek, and 3.0 miles (4.8 km) south of Soldier Springs.

DRAINAGE AREA.--210 mi² (544 km²) approximately, includes approximately 170 mi² (440 km²) tributary to Strawberry Reservoir, which includes area above diversion dams on Indian and Trail Hollow Creeks.

PERIOD OF RECORD.--October 1942 to September 1956, October 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 7,360 ft (2,243 m) above mean sea level (from topographic map). Prior to June 1, 1971, water-stage recorder at site about 0.2 mile (0.3 km) upstream at different datum. From June 1, 1971 to Aug. 8, 1974, at site about 0.8 mile (1.3 km) downstream at different datum.

AVERAGE DISCHARGE.--23 years (1943-56, 1964-72) 31.0 ft³/s (0.878 m³/s), 22,500 acre-ft/yr (27.7 hm³/yr) prior to completion of Soldier Creek Dam.

EXTREMES.--Current year: Maximum daily discharge, 46 ft³/s (1.30 m³/s) Aug. 19-22; minimum daily discharge, 3.2 ft³/s (0.09 m³/s) Sept. 4.

Period of record: Maximum discharge, 1,020 ft³/s (28.9 m³/s) May 4, 1952 (gage height, 3.84 ft or 1.170 m), from rating curve extended above 550 ft³/s (15.6 m³/s); minimum daily, 0.23 ft³/s (0.007 m³/s) July and August 1973.

REMARKS.--Records good. Flow regulated by Strawberry Reservoir since July 14, 1912. Capacity, 1,106,500 acre-ft (1,364 hm³) since June 30, 1973; 283,000 acre-ft (349 hm³) prior to June 30, 1973. New earthfilled dam located 7 miles (11 km) below old dam was completed in September 1972 and storage began June 30, 1973. When elevation of new reservoir reaches the elevation of the old reservoir, the old dam will be destroyed by explosives. Water Hollow tunnel will divert 600 ft³/s (17.0 m³/s) to the reservoir during spring runoff when series of tunnels and small reservoirs are completed on Rock Creek, West Fork Duchesne River, and Currant Creek. Several old transmountain diversions upstream to the reservoir. Transmountain diversions from the reservoir and upstream tributaries to the Great Basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	12	13	12	13	13	13	13	12	12	11	12
2	12	12	13	12	13	13	13	13	12	12	11	8.6
3	12	12	13	12	13	13	13	13	12	12	17	3.9
4	12	12	13	12	13	13	13	13	12	12	25	3.2
5	12	12	13	12	13	13	13	13	12	12	25	3.9
6	12	12	13	12	13	13	13	13	12	12	25	3.9
7	12	12	13	12	13	13	13	12	12	12	26	4.0
8	12	12	13	12	13	13	13	11	12	12	25	3.9
9	12	12	13	12	13	13	13	11	12	12	26	3.9
10	12	12	13	12	13	13	13	11	13	12	26	3.9
11	12	12	12	12	13	13	13	11	13	12	19	3.9
12	12	12	12	12	13	13	13	11	13	12	11	8.3
13	12	12	12	12	13	13	13	11	12	12	12	12
14	12	12	12	12	13	13	13	12	13	12	12	12
15	12	12	12	12	13	13	13	12	12	12	12	12
16	12	13	12	12	13	13	13	12	12	12	12	12
17	12	13	12	12	13	13	13	12	13	12	12	12
18	12	13	12	12	13	13	13	12	13	12	30	12
19	12	13	12	12	13	13	13	12	12	12	46	12
20	12	13	12	12	13	13	13	12	12	12	46	11
21	12	13	12	12	13	13	13	12	12	12	46	12
22	12	13	12	12	13	13	13	12	13	11	46	12
23	12	13	12	12	13	13	13	12	13	11	40	9.7
24	12	13	12	12	13	13	13	12	12	11	12	8.6
25	12	13	12	12	13	13	13	12	12	11	12	7.0
26	12	13	12	13	13	13	13	12	12	11	12	8.3
27	12	13	12	13	13	13	13	12	12	11	12	8.6
28	12	13	12	13	13	13	13	12	12	12	12	6.8
29	12	13	12	13	---	13	13	12	12	11	12	7.3
30	12	13	12	13	---	13	13	12	12	11	12	7.5
31	12	---	12	13	---	13	---	12	---	11	12	---
TOTAL	372	375	382	378	364	403	390	372	368	363	657	246.2
MEAN	12.0	12.5	12.3	12.2	13.0	13.0	13.0	12.0	12.3	11.7	21.2	8.21
MAX	12	13	13	13	13	13	13	13	13	12	46	12
MIN	12	12	12	12	13	13	13	11	12	11	11	3.2
AC-FT	738	744	758	750	722	799	774	738	730	720	1300	488
CAL YR 1974	TOTAL	4519.0	MEAN 12.4	MAX 14	MIN	12	AC-FT 8960					
WTR YR 1975	TOTAL	4670.2	MEAN 12.8	MAX 46	MIN	3.2	AC-FT 9260					

09285700 Strawberry River above Red Creek, near Fruitland, Utah

LOCATION.--Lat 40°07'01", long 110°48'27", in NE¼NW¼SE¼ sec.20, T.4 S., R.8 W., Uintah meridian, Duchesne County, on left bank 0.25 mile (0.40 km) downstream from Timber Canyon, 3.6 miles (5.8 km) upstream from Avintaquin Canyon, 3.8 miles (6.1 km) upstream from Red Creek, and 7 miles (11 km) southeast of Fruitland.

DRAINAGE AREA.--360 mi² (930 km²), approximately (includes approximately 170 mi² or 440 km² tributary to Strawberry Reservoir).

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,360 ft (1,939 m) from topographic map. Prior to Apr. 7, 1971, at site 0.3 mile (0.5 km) downstream at different datum.

AVERAGE DISCHARGE.--12 years, 56.5 ft³/s (1.600 m³/s), 40,930 acre-ft/yr (50.5 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 224 ft³/s (6.34 m³/s) June 8 (gage height, 3.35 ft or 1.021 m); minimum recorded, 14 ft³/s (0.40 m³/s) Dec. 23 and Jan. 29.

Period of record: Maximum discharge, 610 ft³/s (17.3 m³/s) May 14, 1964 (gage height, 3.80 ft or 1.16 m, from flood marks), from rating curve extended above 330 ft³/s (9.35 m³/s) maximum gage height, 5.10 ft (1.55 m) July 9, 1970 (backwater from debris, 0.2 mile (0.3 km) below station); minimum discharge recorded, 9.7 ft³/s (0.28 m³/s) Dec. 8, 1963, result of freezeup.

REMARKS.--Records good, except those for winter periods, which are poor. Flow regulated by Strawberry Reservoir since July 14, 1912. Capacity, 1,106,500 acre-ft (1,364 hm³) since June 30, 1973; 283,000 acre-ft (349 hm³) prior to June 30, 1973. New earthfilled dam located 7 miles (11 km) below old dam was completed in September 1972 and storage began June 30, 1973. When elevation of new reservoir reaches the elevation of the old reservoir, the old dam will be destroyed by explosives. Water Hollow tunnel will divert 600 ft³/s (17.0 m³/s) to the reservoir during spring runoff when series of tunnels and small reservoirs are completed on Rock Creek, West Fork Duchesne River, and Currant Creek. Several old transmountain diversions upstream to the reservoir. Transmountain diversions from the reservoir and upstream tributaries to the Great Basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	34	26	26	28	28	26	27	119	79	52	40
2	28	33	26	27	28	28	27	27	140	71	52	40
3	28	33	27	26	29	28	26	27	156	72	52	35
4	28	32	29	26	28	28	26	27	170	72	62	34
5	29	32	30	26	28	27	26	27	170	79	62	33
6	32	32	29	26	27	27	26	26	182	78	62	33
7	30	31	29	26	29	27	26	26	195	78	61	32
8	29	31	24	26	28	27	26	27	218	72	60	32
9	29	31	20	26	28	27	26	27	218	74	60	32
10	30	31	21	24	29	27	26	27	213	81	60	32
11	30	31	25	24	29	27	26	27	195	81	60	33
12	31	31	27	24	27	27	27	26	177	76	50	33
13	30	31	28	25	27	27	27	26	168	69	48	34
14	30	31	27	26	27	27	27	26	161	69	48	37
15	29	31	29	26	27	27	27	33	156	72	48	36
16	29	30	30	27	28	27	27	41	149	72	47	35
17	29	30	29	29	27	27	27	48	145	72	47	34
18	29	30	29	30	26	27	27	49	136	66	49	36
19	30	30	30	29	26	27	27	56	136	64	72	38
20	30	30	29	29	25	27	27	79	127	60	76	37
21	31	30	29	27	25	27	27	78	121	58	74	36
22	32	30	27	24	25	28	27	71	113	58	71	36
23	34	30	18	29	26	27	27	61	105	56	71	36
24	32	30	18	29	27	27	27	60	103	56	50	35
25	33	30	18	29	28	27	27	67	94	55	44	34
26	33	30	18	28	28	27	27	72	95	58	43	34
27	33	29	20	28	28	26	27	83	86	56	43	34
28	34	30	25	29	28	25	27	88	86	56	41	34
29	36	27	29	33	---	26	27	90	85	56	40	34
30	35	25	27	26	---	27	27	94	81	58	40	34
31	34	---	27	29	---	27	---	99	---	55	40	---
TOTAL	953	916	800	839	766	838	800	1542	4300	2079	1685	1043
MEAN	30.7	30.5	25.8	27.1	27.4	27.0	26.7	49.7	143	67.1	54.4	34.8
MAX	36	34	30	33	29	28	27	99	218	81	76	40
MIN	26	25	18	24	25	25	26	26	81	55	40	32
AC-FT	1890	1820	1590	1660	1520	1660	1590	3060	8530	4120	3340	2070

CAL YR 1974 TOTAL 13162 MEAN 36.1 MAX 129 MIN 16 AC-FT 26110
WTR YR 1975 TOTAL 16561 MEAN 45.4 MAX 218 MIN 18 AC-FT 32850

GREEN RIVER BASIN

09287000 Currant Creek below Red Ledge Hollow near Fruitland, Utah

LOCATION.--Lat 40°19'27", long 111°02'43", in NW¼SW¼NW¼ sec.8, T.2 S., R.10 W., Uintah meridian, in Wasatch County on right bank 0.3 mile (0.48 km) below Red Ledge Hollow, 13.5 miles (21.7 km) northwest of Fruitland.

DRAINAGE AREA.--48 mi² (124 km²), approximately.

RECORDS AVAILABLE.--October 1945 to September 1968 at site 0.2 mile (0.32 km) upstream at different datum; August 1974 to current year.

GAGE.--Water-stage recorder. Datum at gage 7,520 ft (2,290 m), from topographic map.

AVERAGE DISCHARGE.--24 years (1945-68, 1975) 25.7 ft³/s (0.728 m³/s), 18,620 acre-ft/yr (23.0 hm³/yr).

EXTREMES.--Maximum discharge, Aug. 13 to Sept. 30, 1974, 9.4 ft³/s (0.27 m³/s) Sept. 9 (gage height, 2.14 ft or 0.652 m); minimum 4.6 ft³/s (0.13 m³/s) Aug. 19.

1974-75: Maximum discharge during year, 946 ft³/s (26.8 m³/s) May 21 (gage height 5.58 ft or 1.701 m); minimum, 4.4 ft³/s (0.12 m³/s) Mar. 15, 16.

Period of record: Maximum discharge 946 ft³/s (26.8 m³/s) May 21, 1975 (gage height 5.58 ft or 1.701 m); minimum, 0.7 ft³/s (0.020 m³/s) Sept. 8, 1959.

REMARKS.--Records good except those for winter period, which are fair. Currant Creek feeder canal, constructed by the Bureau of Reclamation in 1936, diverts water from headwaters to Strawberry Reservoir, from which it is diverted through Strawberry Tunnel to the Great Basin for irrigation in Strawberry Valley project.

DISCHARGE, IN CUBIC FEET PER SECOND, 1974

Day	Aug	Sep	Day	Aug	Sep	Day	Aug	Sep	Day	Aug	Sep	Day	Aug	Sep
1		5.1	7		5.0	13	6.6	6.1	19	5.1	6.0	25	6.0	5.7
2		5.2	8		5.2	14	6.0	6.2	20	6.0	5.5	26	5.9	5.5
3		5.4	9		5.4	15	5.8	6.5	21	6.5	5.6	27	5.7	5.4
4		5.4	10		5.2	16	5.8	6.6	22	6.5	5.5	28	5.6	5.7
5		5.4	11		5.1	17	5.7	6.2	23	6.3	5.6	29	5.6	5.8
6		5.1	12		5.9	18	5.4	6.0	24	6.0	5.8	30	5.4	5.8
												31	5.2	
Total														168.9
Max.														6.6
Min.														5.0
Mean														5.63
Runoff in acre-feet														337

PEAK DISCHARGE (BASE, 150 CFS).--No peak above base.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	9.2	7.0	6.2	7.0	8.4	8.0	16	260	57	16	10
2	5.9	9.2	7.0	6.2	7.0	9.6	8.0	21	276	53	15	11
3	6.5	8.3	7.0	6.2	7.0	10	7.5	35	273	53	15	11
4	8.0	8.0	7.0	6.2	7.0	9.2	7.5	37	260	80	15	10
5	7.4	7.6	7.0	6.2	7.0	8.4	6.4	24	251	60	14	11
6	7.0	7.8	7.0	6.2	7.0	8.1	8.0	20	255	52	14	10
7	6.4	7.4	7.0	6.2	7.0	8.2	11	19	249	52	13	9.9
8	6.7	7.8	7.0	6.2	7.0	8.2	9.8	20	290	51	13	9.2
9	7.3	8.1	7.0	6.2	7.0	8.5	7.1	36	200	48	13	10
10	8.3	7.4	7.0	6.2	7.0	8.0	7.8	58	157	56	13	11
11	7.8	7.4	7.0	6.2	7.0	7.3	7.5	79	140	51	13	11
12	6.8	7.4	7.0	6.2	7.0	6.5	6.7	80	153	42	13	10
13	6.8	7.6	7.0	6.2	7.0	7.5	9.2	87	137	38	14	11
14	6.7	7.4	7.0	6.2	7.0	7.9	9.7	119	153	35	14	13
15	6.5	7.6	7.0	6.2	7.0	9.5	8.6	140	149	35	12	11
16	6.6	7.4	7.0	6.2	7.0	9.5	8.8	130	138	39	12	11
17	6.5	7.4	7.0	6.2	7.0	8.3	9.1	161	119	43	12	11
18	6.3	7.4	7.0	6.4	7.0	9.2	8.7	186	117	33	11	9.1
19	6.5	7.4	7.0	6.6	7.0	9.1	8.8	250	120	36	11	9.3
20	5.6	7.2	6.8	7.0	7.0	10	10	319	120	38	11	9.6
21	7.5	7.2	6.6	7.0	7.0	9.7	14	195	115	28	14	9.8
22	7.9	7.0	6.4	7.0	7.0	8.5	19	118	102	26	15	9.9
23	12	7.0	6.2	7.2	7.0	8.5	20	113	93	24	13	11
24	11	7.0	6.2	7.4	7.0	8.4	22	145	90	23	11	9.9
25	9.1	7.0	6.2	7.8	7.0	8.0	23	175	83	22	11	9.2
26	8.0	7.0	6.2	7.8	7.0	8.0	16	147	75	21	11	9.3
27	7.7	7.0	6.2	7.4	7.6	8.0	14	153	69	20	9.8	9.0
28	7.6	7.0	6.2	7.0	8.0	8.0	13	161	68	19	9.8	8.9
29	10	7.0	6.2	7.0	---	8.0	12	177	64	16	11	9.0
30	9.6	7.0	6.2	7.0	---	8.0	13	199	60	21	11	8.9
31	9.9	---	6.2	7.0	---	8.0	---	240	---	18	10	---
TOTAL	237.2	225.2	208.6	205.0	197.6	262.4	338.2	366.0	464.4	119.0	390.6	304.0
MEAN	7.65	7.51	6.73	6.61	7.06	8.48	11.3	118	155	38.4	12.6	10.1
MAX	12	9.2	7.0	7.8	8.0	10	23	319	290	80	16	13
MIN	5.9	7.0	6.2	6.2	7.0	6.5	7.1	16	60	16	9.8	8.9
AC-FT	470	447	414	407	392	521	671	7260	9210	2360	775	603

WTR YR 1975 TOTAL 11863.3 MEAN 32.5 MAX 319 MIN 5.9 AC-FT 23530

PEAK DISCHARGE (BASE, 150 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-21	0600	5.58	946	6-8	0200	4.66	424
5-24	2400	4.11	243	7-4	unknown	3.90	188

GREEN RIVER BASIN

77

09287500 Water Hollow near Fruitland, Utah

LOCATION.--Lat 40°14'30", long 110°58'48", in SW¼SW¼SE¼ sec.2, T.3 S., R.10 W., Uintah meridian, Wasatch County, on left bank 1.5 miles (2.4 km) upstream from mouth and 7.7 miles (12.4 km) northwest of Fruitland.

DRAINAGE AREA.--14.0 mi² (36.3 km²).

PERIOD OF RECORD.--April 1946 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,110 ft (2,167 m) from topographic map.

AVERAGE DISCHARGE.--25 years (1946-71), 5.71 ft³/s (0.162 m³/s), 4,140 acre-ft/yr (5.1 hm³/yr) prior to diversion to Water Hollow Tunnel.

EXTREMES.--Current year: Maximum discharge, 36 ft³/s (1.020 m³/s) June 18 (gage height, 2.20 ft or 0.671 m); minimum recorded discharge, 0.15 ft³/s (0.004 m³/s) Aug. 29.

Period of record: Maximum discharge, 133 ft³/s (3.77 m³/s) July 18, 1954 (gage height, 3.24 ft or 0.988 m), from rating curve extended above 56 ft³/s (1.59 m³/s) on basis of slope-area measurement of peak flow; maximum gage height, 3.59 ft (1.094 m) Nov. 25, 1969 (backwater from ice); minimum discharge recorded, no flow Jan. 6, 1973, result of freezeup.

REMARKS.--Records good except those for winter period, which are fair. Diversion into Water Hollow Tunnel for storage in Strawberry Reservoir began Dec. 9, 1971. Diversion 3.5 miles (5.6 km) upstream from gage; all flows up to 20 ft³/s (0.57 m³/s) diverted at this point except for 0.5 ft³/s (0.014 m³/s), which is usually by-passed.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.79	.91	2.5	1.7	2.0	2.0	2.0	2.3	3.2	8.7	2.5	1.6
2	.75	.79	2.5	1.7	1.8	2.0	2.0	2.3	3.4	4.7	2.3	2.3
3	.84	.67	2.4	1.7	1.8	2.0	2.1	2.3	2.6	4.2	2.3	2.2
4	.99	.55	2.4	1.7	1.6	2.0	2.0	2.3	2.0	4.2	2.1	2.3
5	1.1	.50	2.4	1.7	1.7	1.8	2.1	1.8	1.7	4.0	1.8	2.3
6	.78	.42	2.3	1.7	1.7	2.0	2.0	1.6	1.8	3.5	1.7	1.8
7	.81	.46	2.2	1.7	1.7	1.8	2.0	1.6	3.8	3.1	1.4	1.4
8	.80	.46	2.2	1.7	1.7	2.0	2.0	1.7	2.8	3.3	.70	1.4
9	.83	.39	2.1	1.7	1.7	2.0	2.0	1.7	1.8	3.1	.55	1.4
10	.83	.48	2.1	1.6	1.9	2.0	2.0	1.7	1.7	2.7	.55	1.2
11	.80	.63	2.0	1.6	1.8	2.0	2.0	1.7	2.5	1.8	.48	1.2
12	.80	.53	1.9	1.7	1.8	2.0	2.0	1.4	2.7	1.3	.55	.91
13	.86	.34	1.8	1.7	1.8	1.8	2.3	1.1	2.5	.88	4.4	.89
14	.80	.33	1.7	1.7	1.9	1.6	2.3	1.1	2.5	.63	2.7	.64
15	.81	.31	1.7	1.7	1.9	1.6	2.3	.97	2.3	.48	1.1	.40
16	.76	.45	1.7	1.7	1.8	1.6	2.3	.97	3.5	.48	.70	.35
17	.84	.38	1.7	1.7	1.8	1.7	2.3	1.2	17	.48	.78	.31
18	.84	.34	1.7	1.8	1.8	1.8	2.1	1.7	21	.48	.70	.24
19	.85	1.2	1.7	1.8	1.7	2.1	2.3	1.8	22	.48	.63	.24
20	.87	2.5	1.7	1.8	1.8	2.1	2.8	4.1	20	.63	.70	.48
21	1.0	2.5	1.7	1.8	1.7	2.1	3.0	3.4	20	.78	.97	.84
22	1.1	2.5	1.7	1.9	1.7	1.8	3.5	3.5	17	.88	1.1	.85
23	2.0	2.5	1.7	1.8	1.8	1.8	3.2	3.2	16	.88	.78	.62
24	1.2	2.5	1.7	1.9	1.8	1.8	3.2	3.8	15	.78	.47	.49
25	.97	2.5	1.7	2.0	1.9	1.8	3.2	5.2	15	.63	.48	.40
26	.90	2.5	1.7	1.8	1.9	2.0	2.8	4.8	15	.48	.37	.33
27	.92	2.5	1.7	1.8	1.9	1.8	2.5	4.5	15	.32	.29	.32
28	1.0	2.5	1.7	2.0	1.9	1.8	2.3	3.8	14	.27	.27	.30
29	1.8	2.5	1.7	1.9	---	1.8	2.3	3.2	15	2.0	.25	.30
30	1.0	2.5	1.7	2.0	---	2.0	2.0	3.3	15	3.1	.26	.31
31	.94	---	1.7	2.0	---	1.8	---	3.2	---	2.7	.32	---
TOTAL	29.58	37.64	59.4	55.0	50.3	58.4	70.9	77.24	277.8	61.96	34.20	28.32
MEAN	.95	1.25	1.92	1.77	1.80	1.88	2.36	2.49	9.26	2.00	1.10	.94
MAX	2.0	2.5	2.5	2.0	2.0	2.1	3.5	5.2	22	8.7	4.4	2.3
MIN	.75	.31	1.7	1.6	1.6	1.6	2.0	.97	1.7	.27	.25	.24
AC-FT	59	75	118	109	100	116	141	153	551	123	68	56
CAL YR 1974	TOTAL	582.10	MEAN	1.59	MAX	6.5	MIN	.15	AC-FT	1150		
WTR YR 1975	TOTAL	840.74	MEAN	2.30	MAX	22	MIN	.24	AC-FT	1670		

GREEN RIVER BASIN

09288000 Currant Creek near Fruitland, Utah

LOCATION.--Lat 40°12'01", long 110°54'25", in NE¼SE¼SW¼ sec. 21, T.3 S., R.9 W., Uintah meridian, Wasatch County, on left bank 150 ft (46 m) downstream from Deep Creek, 150 ft (46 m) upstream from bridge on U.S. Highway 40 and 3.5 miles (5.6 km) southwest of Fruitland.

DRAINAGE AREA.--140 mi² (363 km²).

PERIOD OF RECORD.--October 1934 to current year. Monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Altitude of gage is 6,670 ft (2,033 m) from topographic map. Aug. 6, 1952 to Nov. 8, 1966, water-stage recorder at site 150 ft (46 m) downstream at datum 1.30 ft (0.396 m) lower. See WSP 1733 for history of changes prior to Aug. 6, 1952.

AVERAGE DISCHARGE.--41 years, 46.3 ft³/s (1.311 m³/s), 33,540 acre-ft/yr (41.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 685 ft³/s (19.4 m³/s) May 20 (gage height, 3.80 ft or 1.158 m, from floodmark); minimum daily discharge, 15 ft³/s (0.42 m³/s) Oct. 1, 2, 3.

Period of record: Maximum discharge, 1,260 ft³/s (35.7 m³/s) May 4, 1952 (gage height, 2.72 ft or 0.829 m, site and datum then in use); maximum gage height, 5.92 ft (1.804 m), Jan. 27, 1974, backwater from ice); minimum discharge recorded, 3.6 ft³/s (0.10 m³/s) Aug. 9, 10, 1961.

REMARKS.--Records good except those for winter periods, which are poor. Currant Creek feeder canal, constructed by the Bureau of Reclamation in 1936, diverts water from headwaters of Currant Creek to Strawberry Reservoir, from which it is diverted through Strawberry tunnel to The Great Basin for irrigation in Strawberry Valley project. Since 1962, Deep Creek has been diverted intermittently into private fish ponds and enters Currant Creek 400 ft (122 m) below gage. Construction of Currant Creek dam began August 1974.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	32	20	18	18	27	25	31	318	76	28	19
2	15	30	20	18	18	32	25	35	327	68	26	20
3	15	27	20	18	18	35	25	41	294	67	25	20
4	18	26	20	18	18	30	25	56	336	76	25	20
5	20	25	20	18	18	25	26	45	321	86	25	20
6	18	25	20	18	18	26	26	37	327	72	25	20
7	17	25	22	18	18	25	25	37	288	67	23	19
8	17	23	21	18	18	26	28	33	330	64	21	19
9	18	24	21	18	18	29	24	39	234	82	21	20
10	19	24	20	18	18	28	25	54	168	76	20	22
11	19	22	20	18	18	27	25	78	148	76	20	22
12	19	22	20	18	18	26	24	100	129	67	20	22
13	19	25	20	18	18	26	27	81	127	60	29	20
14	19	24	20	18	18	27	31	117	137	56	26	25
15	19	25	20	18	18	25	30	150	137	55	22	26
16	19	24	20	18	18	26	29	170	125	56	20	22
17	19	22	20	18	18	30	28	178	123	63	19	21
18	19	24	20	18	18	27	27	207	123	48	18	19
19	19	24	20	18	18	29	27	273	127	46	18	19
20	20	22	20	18	18	31	30	380	125	50	20	19
21	21	24	19	18	18	32	33	158	125	46	24	19
22	25	30	18	18	18	28	41	121	115	41	26	20
23	35	25	18	18	18	28	46	111	98	38	23	20
24	34	22	18	18	18	28	44	117	97	35	21	20
25	28	24	18	18	18	30	49	173	90	33	20	20
26	25	24	18	18	20	29	41	148	97	30	19	19
27	24	22	18	18	21	28	35	158	102	29	19	19
28	24	27	18	18	24	27	33	150	98	30	19	19
29	39	19	18	18	---	26	29	185	95	31	19	19
30	34	20	18	18	---	25	28	204	90	33	19	19
31	32	---	18	18	---	25	---	273	---	32	19	---
TOTAL	684	732	603	558	515	863	911	3940	5251	1689	679	608
MEAN	22.1	24.4	19.5	18.0	18.4	27.8	30.4	127	175	54.5	21.9	20.3
MAX	39	32	22	18	24	35	49	380	336	86	29	26
MIN	15	19	18	18	18	25	24	31	90	29	18	19
AC-FT	1360	1450	1200	1110	1020	1710	1810	7810	10420	3350	1350	1210

CAL YR 1974 TOTAL 13482 MEAN 36.9 MAX 340 MIN 12 AC-FT 26740
WTR YR 1975 TOTAL 17033 MEAN 46.7 MAX 380 MIN 15 AC-FT 33780

PEAK DISCHARGE (BASE, 200 CFS).--May 20 (0900) 685 cfs (3.80 ft); June 8 (0700) 435 cfs (3.05 ft).

NOTE.--No gage-height record Jan. 6 to Feb. 5.

GREEN RIVER BASIN

79

09288100 Red Creek below Currant Creek, near Fruitland, Utah

LOCATION.--Lat 40°08'47", long 110°45'09", in NE¼SW¼SE¼ sec.11, T.4 S., R.8 W., Uintah meridian, Duchesne County, on right bank 700 ft (213 m) upstream from bridge, 1.6 miles (2.6 km) upstream from mouth, 3.2 miles (5.1 km) downstream from Currant Creek, and 6.5 miles (10.5 km) southeast of Fruitland.

DRAINAGE AREA.--300 mi² (777 km²), approximately.

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,130 ft (1,868 m) from topographic map.

AVERAGE DISCHARGE.--12 years, 58.8 ft³/s (1.665 m³/s), 42,600 acre-ft/yr (52.5 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,460 ft³/s (41.3 m³/s) July 16 (gage height, 4.50 ft or 1.372 m from high-water mark); minimum discharge, 5.2 ft³/s (0.15 m³/s) Nov. 27.

Period of record: Maximum discharge, 1,460 ft³/s (41.3 m³/s) July 16, 1975 (gage height, 4.45 ft or 1.356 m, in gage well, 4.50 ft or 1.372 m from floodmarks), from rating curve extended above 540 ft³/s (15.3 m³/s) on basis of shape of a previous curve based on a slope-area measurement of peak flow; minimum, 5.2 ft³/s (0.15 m³/s) Nov. 27, 1975.

REMARKS.--Records fair except those for winter period, which are poor. Several diversions above station for irrigation, including transmountain diversion to the Great Basin through Strawberry tunnel. Flow slightly regulated by Red Creek Reservoir, 13 miles (21 km) upstream, beginning July 1960, capacity 5,700 acre-ft (7.03 hm³).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	37	27	27	27	40	30	35	260	86	42	29
2	19	34	27	27	27	48	30	38	285	77	37	28
3	19	32	27	27	27	50	30	42	275	74	39	31
4	23	29	27	27	27	47	35	54	264	106	41	30
5	25	28	27	27	27	45	34	46	253	100	37	30
6	23	28	27	27	27	47	34	40	260	80	36	31
7	22	28	27	27	27	42	31	42	282	77	35	33
8	22	28	27	27	27	38	28	41	343	65	31	28
9	22	28	27	27	27	39	29	43	267	141	29	31
10	23	28	27	27	27	35	30	53	213	86	30	29
11	23	26	27	27	27	33	30	62	190	74	27	30
12	24	27	27	27	27	30	29	63	171	64	27	28
13	23	27	27	27	27	28	31	50	166	57	30	32
14	23	27	27	27	27	31	35	55	174	55	40	51
15	23	27	27	27	27	35	36	106	182	59	30	42
16	23	27	27	27	27	37	36	102	171	175	28	36
17	23	26	27	27	27	37	35	120	166	86	25	36
18	23	27	27	27	27	37	33	110	169	64	22	33
19	23	28	27	27	27	37	32	110	179	56	23	32
20	23	26	27	27	27	37	33	364	179	59	25	32
21	25	31	27	27	27	37	37	264	179	61	36	30
22	30	32	27	27	27	37	43	193	164	53	40	30
23	44	28	27	27	27	37	48	164	138	46	38	29
24	39	26	27	27	27	37	47	153	134	43	34	33
25	33	29	27	27	27	36	50	213	122	40	32	32
26	31	29	27	27	28	34	45	174	120	40	30	30
27	30	24	27	27	30	32	38	179	112	39	27	28
28	30	27	27	27	34	30	37	179	106	41	29	26
29	46	27	27	27	---	30	34	198	98	42	28	25
30	39	27	27	27	---	30	33	198	93	45	30	27
31	37	---	27	27	---	30	---	235	---	46	28	---
TOTAL	831	848	837	837	767	1143	1053	3726	5715	2137	986	942
MEAN	26.8	28.3	27.0	27.0	27.4	36.9	35.1	120	191	68.9	31.8	31.4
MAX	46	37	27	27	34	50	50	364	343	175	42	51
MIN	18	24	27	27	27	28	28	35	93	39	22	25
AC-FT	1650	1680	1660	1660	1520	2270	2090	7390	11340	4240	1960	1870
CAL YR 1974	TOTAL	15491.0	MEAN 42.4	MAX 299	MIN	6.8	AC-FT 30730					
WTR YR 1975	TOTAL	19822.0	MEAN 54.3	MAX 364	MIN	18	AC-FT 39320					

GREEN RIVER BASIN

09288150 West Fork Avintaquin Creek near Fruitland, Utah
(Formerly published as Cottonwood Creek near Fruitland)

LOCATION.--Lat 39°59'35", long 110°48'50", in NW¼ sec.5, T.6 S., R.8 W., Uintah meridian, Duchesne County, 0.2 mile (0.3 km) upstream from mouth and 15.2 miles (24.5 km) south of Fruitland.

DRAINAGE AREA.--56 mi² (145 km²), approximately.

PERIOD OF RECORD.--June 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,750 ft (2,057 m) from topographic map.

AVERAGE DISCHARGE.--11 years, 15.5 ft³/s (0.44 m³/s) 11,230 acre-ft/yr (13.8 km³/yr).

EXTREMES.--Current year: Maximum discharge, 1,160 ft³/s (32.9 m³/s) probably July 31 (gage height, 4.20 ft or 1.280 m) from outside highwater mark; minimum daily, 1.1 ft³/s (0.031 m³/s) many days in winter.
Period of record: Maximum discharge, 1,830 ft³/s (51.8 m³/s) Aug. 22, 1971 (gage height, 5.40 ft or 1.646 m), from rating curve extended above 320 ft³/s (9.06 m³/s); minimum recorded, 0.2 ft³/s (0.006 m³/s) Jan. 24, 1965, result of freezeup.

REMARKS.--Records good except those for period of no gage-height record and Apr. 21 to Aug. 5, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	3.1	1.4	1.1	1.1	1.5	2.2	8.0	118	50	17	5.4
2	2.6	2.9	1.4	1.1	1.1	1.4	2.2	12	130	48	15	5.6
3	2.6	2.9	1.3	1.1	1.1	1.5	2.4	14	120	45	14	5.7
4	2.6	2.8	1.3	1.1	1.1	1.5	2.7	15	110	44	13	5.7
5	2.6	2.7	1.3	1.1	1.1	1.5	4.0	15	110	50	13	5.5
6	2.7	2.7	1.3	1.1	1.1	1.5	4.3	14	120	46	12	5.4
7	2.7	2.5	1.3	1.1	1.2	1.6	3.5	13	130	42	12	4.9
8	2.7	2.5	1.2	1.1	1.2	1.6	3.0	13	140	38	11	4.9
9	2.7	2.5	1.2	1.1	1.2	1.6	3.1	13	130	48	11	4.9
10	2.7	2.4	1.2	1.1	1.2	1.6	3.2	14	120	37	10	5.0
11	2.7	2.2	1.2	1.1	1.2	1.6	3.2	17	112	34	10	6.7
12	2.7	2.2	1.2	1.1	1.3	1.7	3.5	21	99	32	10	5.8
13	2.7	2.2	1.1	1.1	1.3	1.7	4.9	22	89	31	11	5.6
14	2.7	2.2	1.1	1.1	1.3	1.7	5.4	27	86	30	9.5	5.7
15	2.7	2.1	1.1	1.1	1.3	1.7	5.1	36	87	30	8.2	5.3
16	2.7	2.0	1.1	1.1	1.4	1.7	5.2	46	89	45	7.7	4.9
17	2.7	2.0	1.1	1.1	1.4	1.6	5.0	50	88	30	7.1	4.7
18	2.7	2.0	1.1	1.1	1.4	1.6	4.7	45	85	26	6.7	4.6
19	2.7	2.0	1.1	1.1	1.4	1.6	4.5	58	82	25	6.6	4.5
20	2.7	1.8	1.1	1.1	1.4	2.0	5.1	109	77	24	6.9	4.5
21	2.6	1.8	1.1	1.1	1.4	2.3	5.5	102	70	23	6.7	4.4
22	2.8	1.7	1.1	1.1	1.4	2.0	6.0	79	64	22	6.6	4.1
23	3.0	1.7	1.1	1.1	1.4	1.8	6.4	65	60	21	6.0	4.0
24	2.6	1.6	1.1	1.1	1.4	2.0	6.6	57	60	20	5.5	3.9
25	2.6	1.6	1.1	1.1	1.4	2.1	6.8	52	64	20	5.6	3.8
26	2.6	1.5	1.1	1.1	1.5	2.0	6.6	49	64	19	5.4	3.7
27	2.7	1.5	1.1	1.1	1.5	1.9	6.4	48	61	18	5.2	3.6
28	3.1	1.5	1.1	1.1	1.5	2.0	6.2	50	58	17	5.1	3.6
29	3.2	1.4	1.1	1.1	---	2.0	6.0	65	55	17	5.1	3.6
30	3.0	1.4	1.1	1.1	---	2.1	6.3	80	52	17	5.2	3.4
31	3.2	---	1.1	1.1	---	2.3	---	97	---	25	5.2	---
TOTAL	84.9	63.4	36.2	34.1	36.3	54.7	140.0	1306.0	2730	974	273.3	143.4
MEAN	2.74	2.11	1.17	1.10	1.30	1.76	4.67	42.1	91.0	31.4	8.82	4.78
MAX	3.2	3.1	1.4	1.1	1.5	2.3	6.8	109	140	50	17	6.7
MIN	2.6	1.4	1.1	1.1	1.1	1.4	2.2	8.0	52	17	5.1	3.4
AC-FT	168	126	72	68	72	108	278	2590	5410	1930	542	284

CAL YR 1974 TOTAL 2756.8 MEAN 7.55 MAX 77 MIN 1.1 AC-FT 5470
WTR YR 1975 TOTAL 5876.3 MEAN 16.1 MAX 140 MIN 1.1 AC-FT 11660

PEAK DISCHARGE (BASE, 80 CFS).

DATE	TIME	G.H.	DISCHARGE
5-20	1100	1.86	149
6-8	Unknown	Unknown	about 160
7-31	Unknown	4.20	1,160

NOTE.--No gage-height record December 13 to February 6.

09288180 Strawberry River near Duchesne, Utah

LOCATION.--Lat 40°09'17", long 110°33'15", in SE¼SW¼SW¼ sec.3, T.4 S., R.6 W., Uintah meridian, Duchesne County, on right bank 150 ft (46 m) downstream from County Road bridge, 2,000 ft (610 m) upstream from maximum high-water line of Starvation Reservoir, and 7.9 miles (12.7 km) west of Duchesne.

DRAINAGE AREA.--770 mi² (1,990 km²), approximately (includes approximately 170 mi² or 440 km² tributary to Strawberry Reservoir).

PERIOD OF RECORD.--May 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,722 ft (1,744 m) above mean sea level (Rabbit Gulch Quadrangle which gives bridge elevation).

AVERAGE DISCHARGE.--7 years, 139 ft³/s (3.936 m³/s), 100,700 acre-ft/yr (124 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 965 ft³/s (27.3 m³/s) June 3 (gage height, 5.71 ft or 1.740 m); minimum discharge, 38 ft³/s (1.076 m³/s) Oct. 5, 6.

Period of record: Maximum discharge, 1,310 ft³/s (37.1 m³/s) May 18, 1973 (gage height, 6.30 ft or 1.920 m); minimum daily discharge, 31 ft³/s (0.878 m³/s) Sept. 8, 1974.

REMARKS.--Records good, except those for winter periods and periods of no gage-height record, which are poor. Flow regulated by Strawberry Reservoir since July 14, 1912. Capacity, 1,106,500 acre-ft (1,364 hm³) since June 30, 1973; 283,000 acre-ft (349 hm³) prior to June 30, 1973. New earthfilled dam located 7 miles (11 km) below old dam was completed in September 1972 and storage began June 30, 1973. When elevation of new reservoir reaches the elevation of the old reservoir, the old dam will be destroyed by explosives. Water Hollow tunnel will divert 600 ft³/s (17.0 m³/s) to the reservoir during spring runoff when series of tunnels and small reservoirs are completed on Rock Creek, West Fork Duchesne River, and Currant Creek. Several old transmountain diversions upstream to the reservoir. Transmountain diversions from the reservoir and upstream tributaries to the Great Basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	87	70	55	55	80	109	77	634	233	109	56
2	45	83	70	55	55	90	101	82	759	216	93	58
3	46	80	70	55	55	100	94	87	830	206	91	58
4	48	75	70	55	55	90	63	100	715	217	99	56
5	39	73	70	55	55	88	70	105	675	265	102	56
6	42	70	68	55	55	86	71	91	680	223	103	55
7	52	72	64	55	55	90	72	87	675	209	102	51
8	54	73	60	55	55	90	70	89	732	187	96	58
9	54	72	55	55	55	87	62	89	677	206	93	60
10	56	70	55	55	55	88	62	98	596	239	92	68
11	59	68	55	55	55	82	62	118	530	161	95	62
12	62	68	55	55	55	79	62	150	481	136	84	62
13	59	70	55	55	55	76	62	147	446	117	83	57
14	59	70	55	55	55	75	64	184	441	108	96	78
15	60	70	55	55	55	81	67	249	451	100	81	77
16	62	70	55	55	55	80	70	303	439	182	75	70
17	62	70	55	55	55	90	71	328	421	196	71	69
18	64	72	55	55	55	87	72	366	417	131	67	69
19	65	73	55	55	55	93	65	432	439	121	84	68
20	67	70	55	55	55	97	64	659	435	109	93	68
21	68	73	55	55	55	104	63	617	423	107	104	60
22	72	73	55	55	55	105	69	575	388	92	109	65
23	101	73	55	55	55	103	86	522	353	89	113	62
24	92	73	55	55	55	94	96	463	344	86	99	64
25	87	72	55	55	60	96	97	537	327	84	80	67
26	85	72	55	55	62	109	95	582	322	83	67	63
27	83	73	55	55	66	100	86	613	301	83	63	61
28	83	72	55	55	74	95	85	591	282	88	67	59
29	112	72	55	55	---	92	79	546	263	83	68	57
30	103	70	55	55	---	101	79	533	250	89	67	59
31	94	---	55	55	---	106	---	564	---	96	59	---
TOTAL	2078	2179	1807	1705	1582	2834	2268	9984	14726	4542	2705	1873
MEAN	67.0	72.6	58.3	55.0	56.5	91.4	75.6	322	491	147	87.3	62.4
MAX	112	87	70	55	74	109	109	659	830	265	113	78
MIN	39	68	55	55	55	75	62	77	250	83	59	51
AC-FT	4120	4320	3580	3380	3140	5620	4500	19800	29210	9010	5370	3720

CAL YR 1974 TOTAL 33205 MEAN 91.0 MAX 494 MIN 31 AC-FT 65860
WTR YR 1975 TOTAL 48283 MEAN 132 MAX 830 MIN 39 AC-FT 95770

PEAK DISCHARGE (BASE, 700 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-20	1600	5.39	834	7-16	2200	5.41	838
6-3	1400	5.71	965				

NOTE.--No gage-height record Dec. 8 to March 6.

GREEN RIVER BASIN

09288900 Sowers Creek near Duchesne, Utah

LOCATION.--Lat 39°59'22", long 110°27'33", in SW¼SW¼NW¼ sec.4, T.6 S., R.5 W., Uintah meridian, Duchesne County, Ashley National Forest, on left bank 0.3 mile (0.5 km) upstream from Ashley National Forest boundary, 5 miles (8 km) upstream from mouth of Tabby Canyon, and 12 miles (19 km) south of Duchesne.

DRAINAGE AREA.--43 mi² (111 km²), approximately.

PERIOD OF RECORD.--May 1964 to current year.

GAGE.--Water-stage recorder and Parshall flume. Altitude of gage is 6,800 ft (2,073 m) from topographic map.

AVERAGE DISCHARGE.--11 years, 4.01 ft³/s (0.114 m³/s), 2,910 acre-ft/yr (3.59 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 27 ft³/s (0.76 m³/s) June 2 (gage height, 1.71 ft or 0.521 m); maximum gage height, 2.64 ft (0.805 m) July 4; no flow Feb. 18-21;

Period of record: Maximum discharge, 350 ft³/s (9.91 m³/s) July 24, 1974 (gage height, 6.59 ft or 2.009 m), from rating curve extended above 42 ft³/s (1.19 m³/s) on basis of slope-area measurement of peak flow; no flow for part of winter period 1964, 1965, Feb. 18-21, 1965.

REMARKS.--Records good except those for winter period, which are poor. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.37	.77	.45	.21	.08	.05	.47	.86	18	8.5	5.9	4.9
2	.35	.80	.37	.22	.08	.06	.38	.80	23	8.9	5.8	4.9
3	.41	.73	.31	.22	.08	.07	.43	.85	26	9.1	5.8	4.8
4	.46	.65	.27	.23	.08	.08	.47	.92	24	9.9	5.8	4.8
5	.37	.64	.22	.23	.08	.10	.68	.99	21	9.4	5.7	4.8
6	.34	.61	.18	.23	.05	.11	.77	1.0	20	9.2	5.7	4.8
7	.35	.61	.18	.23	.05	.10	.49	1.1	20	9.2	5.7	4.8
8	.34	.61	.18	.23	.07	.11	.39	1.0	20	9.4	5.6	4.7
9	.32	.63	.18	.23	.04	.12	.46	1.1	18	9.4	5.6	4.8
10	.38	.59	.18	.23	.05	.09	.48	1.1	18	9.4	5.6	4.8
11	.37	.54	.18	.23	.05	.05	.15	1.2	17	9.4	5.6	5.3
12	.33	.49	.18	.21	.05	.10	.01	1.2	16	9.4	5.7	4.4
13	.33	.46	.18	.20	.03	.03	.19	1.3	15	9.5	5.8	4.4
14	.34	.45	.18	.19	.03	.05	.64	1.3	15	9.7	5.6	4.8
15	.35	.44	.18	.18	.03	.10	1.1	1.9	14	9.4	5.6	4.4
16	.34	.50	.18	.16	.01	.03	1.3	2.6	14	9.4	5.5	4.3
17	.33	.60	.18	.13	.03	.08	.84	3.8	14	9.1	5.5	4.2
18	.32	.70	.18	.11	0	.09	.83	2.6	13	8.9	5.4	4.1
19	.30	.69	.18	.15	0	.19	1.0	2.9	12	8.8	5.4	4.1
20	.30	.67	.18	.11	0	.25	1.2	8.8	12	8.7	5.4	4.1
21	.31	.65	.18	.11	0	.35	2.4	4.3	12	8.7	5.4	4.1
22	.44	.64	.18	.08	.01	.34	2.0	5.2	11	8.6	5.4	4.0
23	.63	.64	.18	.08	.02	.22	1.3	7.2	11	8.2	5.3	4.0
24	.47	.66	.19	.08	.03	.27	1.2	6.8	10	7.9	5.2	4.0
25	.45	.66	.19	.08	.05	.42	1.2	11	9.8	7.7	5.1	4.0
26	.45	.67	.19	.08	.08	.36	1.1	13	9.6	7.4	5.1	4.0
27	.45	.67	.20	.07	.08	.15	1.1	15	9.4	6.8	5.1	4.0
28	.59	.68	.20	.06	.05	.15	1.0	16	8.6	6.4	5.1	4.0
29	.87	.65	.20	.05	---	.21	.99	16	8.4	6.1	5.0	3.9
30	.73	.54	.20	.08	---	.41	.94	17	8.0	6.0	5.0	3.9
31	.80	---	.21	.08	---	.39	---	17	---	6.0	4.9	---
TOTAL	13.19	18.64	6.44	4.78	1.21	5.13	25.51	165.82	447.8	264.5	169.3	132.1
MEAN	.43	.62	.21	.15	.043	.17	.85	5.35	14.9	8.53	5.46	4.40
MAX	.87	.80	.45	.23	.08	.42	2.4	17	26	9.9	5.9	5.3
MIN	.30	.44	.18	.05	0	.03	.01	.80	8.0	6.0	4.9	3.9
AC-FT	26	37	13	9.5	2.4	10	51	329	888	525	336	262

CAL YR 1974 TOTAL 485.60 MEAN 1.33 MAX 37 MIN .18 AC-FT 963
WTR YR 1975 TOTAL 1254.42 MEAN 3.44 MAX 26 MIN 0 AC-FT 2490

PEAK DISCHARGE (BASE, 35 CFS). No peak above base

GREEN RIVER BASIN

83

09289500 Lake Fork River above Moon Lake, near Mountain Home, Utah

LOCATION.--Lat 40°36'24", 110°31'35", in SW¼SE¼SE¼ sec.35, T.3 N., R.6 W., Uintah meridian, Duchesne County, Ashley National Forest on right bank 2,000 ft (610 m) upstream from head of Moon Lake at maximum stage, 2 miles (3 km) upstream from Brown Duck Creek, 16 miles (26 km) northeast of Mountain Home.

DRAINAGE AREA.--78 mi² (202 km²), approximately.

PERIOD OF RECORD.--April 1933 to September 1934 (published as West Fork of Lake Fork above Moon Lake, near Mountain Home); July 1942 to September 1955, October 1963 to September 1965 (published as Lake Fork above Moon Lake, near Mountain Home); October 1965 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 8,180 ft (2,493 m) from topographic map. April 1933 to September 1934, at site 2.5 miles (4.0 km) upstream at different datum. July 13, 1942 to July 26, 1949, at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--25 years, 115 ft³/s (3.257 m³/s), 83,320 acre-ft/yr (103 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,490 ft³/s (42.2 m³/s) July 1 (gage height, 3.94 ft or 1.201 m) from rating curve extended above 1,200 ft³/s (34.0 m³/s); minimum not determined, occurred during period of no gage-height record.

Period of record: Maximum discharge, 2,700 ft³/s (76.5 m³/s) June 26, 1944 (gage height, 5.27 ft or 1.606 m, present datum), from rating curve extended above 700 ft³/s (19.8 m³/s); minimum daily recorded, 13 ft³/s (0.37 m³/s) Apr. 14, 1933.

REMARKS.--Records fair except those for period of no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	36	29	25	24	23	20	23	200	1110	230	60
2	38	35	29	25	24	23	20	22	244	1010	205	60
3	39	34	29	25	24	23	20	25	285	940	189	58
4	43	34	29	25	24	23	20	29	283	908	177	57
5	46	35	28	25	24	23	20	24	357	902	172	56
6	42	34	31	25	24	23	20	26	496	961	183	55
7	41	35	27	25	24	23	20	21	598	900	179	54
8	41	33	27	25	24	23	20	22	654	803	171	54
9	40	31	27	25	24	23	20	23	614	776	162	55
10	40	31	27	25	24	23	20	29	481	703	155	55
11	39	35	27	25	24	23	20	39	456	694	151	58
12	38	33	27	25	24	23	20	45	547	671	153	61
13	36	30	27	25	24	23	20	46	753	607	148	62
14	36	29	27	25	24	23	20	68	970	560	140	62
15	36	30	27	25	24	23	20	89	1150	583	130	63
16	36	29	27	25	23	22	23	100	1160	668	122	57
17	35	30	27	25	23	22	23	116	857	561	115	53
18	35	29	27	25	23	22	23	138	641	495	108	51
19	34	29	27	25	23	22	23	166	498	459	103	49
20	34	29	27	25	23	22	23	175	416	403	111	49
21	34	30	26	25	23	22	23	133	384	362	103	48
22	35	30	26	25	23	22	23	108	371	351	103	48
23	44	31	26	25	23	22	23	90	406	322	90	47
24	40	31	26	25	23	22	25	88	498	294	82	46
25	36	31	26	25	23	22	25	103	613	274	77	46
26	35	30	26	25	23	22	23	104	509	258	74	45
27	35	30	26	25	23	22	24	109	623	240	72	44
28	36	30	26	25	23	22	23	107	787	230	71	44
29	37	30	26	25	---	22	25	105	915	245	65	44
30	37	30	26	25	---	22	23	115	1030	395	64	42
31	36	---	26	25	---	22	---	147	---	271	62	---
TOTAL	1172	944	839	775	659	697	652	2435	17796	17956	3967	1583
MEAN	37.8	31.5	27.1	25.0	23.5	22.5	21.7	78.5	593	579	128	52.8
MAX	46	36	31	25	24	23	25	175	1160	1110	230	63
MIN	34	29	26	25	23	22	20	21	200	230	62	42
AC-FT	2320	1870	1660	1540	1310	1380	1290	4830	35300	35620	7870	3140

CAL YR 1974 TOTAL 32605 MEAN 89.3 MAX 877 MIN 23 AC-FT 64670
WTR YR 1975 TOTAL 49475 MEAN 136 MAX 1160 MIN 20 AC-FT 98130

PEAK DISCHARGE (BASE, 1,000 CFS).--June 15 (2100) 1,410 cfs (3.85 ft); July 1 (2100) 1,490 cfs (3.94 ft).

NOTE.--No gage-height record Dec. 10 to Apr. 23.

GREEN RIVER BASIN

09290500 Moon Lake Reservoir near Mountain Home, Utah

LOCATION.--Lat 40°33'43", long 110°29'21", in NW¼NE¼ sec.19, T.2 N., R.5 W., Uintah meridian, Duchesne County, Ashley National Forest, at dam on Lake Fork River, 1.4 miles (2.3 km) downstream from Brown Duck Creek, 10.5 miles (16.9 km) upstream from Yellowstone River, and 12.5 miles (20.1 km) northwest of Mountain Home.

DRAINAGE AREA.--108 sq mi (280 km²).

PERIOD OF RECORD.--December 1937 to current year.

GAGE.--Nonrecording gage usually read one or two times daily. Datum of gage is at mean sea level (levels by Bureau of Reclamation).

EXTREMES.--Current year: Maximum contents observed, 35,760 acre-ft (44.1 hm³) July 4-31 (elevation, 8,137.00 ft or 2,480.158 m); minimum observed, 677 acre-ft (0.835 hm³) May 28.
Period of record: Maximum contents observed, 37,560 acre-ft (46.3 hm³) July 10, 11, 1950 (elevation, 8,139.30 ft or 2,480.859 m); minimum observed, 226 acre-ft (279,000 m³) Sept. 30, 1946.

REMARKS.--Reservoir formed by earth-fill, rock-faced dam with concrete core. Storage began Dec. 9, 1937. Capacity, 35,760 acre-ft (44.1 hm³) between elevations 8,072.00 ft (2,460.346 m) (crest of original outlet of lake, about 2,000 ft or 610 m upstream from dam) and 8,137.00 ft (2,480.158 m) (top of spillway gates). Elevation of spillway crest is 8,121.00 ft (2,475.281 m) and elevation of sill of outlet works is 8,064.16 ft (2,457.956 m). Dead storage between sill of outlet and crest of original outlet of lake, 2,050 acre-ft (2.53 hm³). Dead storage below sill of outlet, 11,690 acre-ft (14.4 hm³). Total dead storage, 13,740 acre-ft (16.9 hm³). Figures given herein represent usable contents. Water is used for irrigation on lands under Moon Lake Water Users Association and Uintah Indian Irrigation projects.

COOPERATION.--Gage-height record furnished by Moon Lake Water Users Association.

Capacity table (elevation in feet,
and contents, in acre-feet)
(Based on latest capacity table
furnished by Bureau of Reclamation)

8,074	557	8,110	17,130
8,080	2,460	8,120	23,470
8,085	4,320	8,130	30,490
8,090	6,490	8,137	35,760
8,100	11,470		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	19810	11200	1070	31450	---	26550
2	---	---	---	---	---	---	---	---	---	33960	---	---
3	1360	---	---	---	---	---	---	---	---	34840	---	---
4	---	---	---	---	---	---	---	10410	---	35760	---	25440
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	9390	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	35140	24140
8	1830	---	---	---	---	---	---	---	6120	---	---	---
9	---	---	---	---	---	---	---	---	---	---	34990	---
10	---	---	---	---	---	---	---	---	8100	---	34610	---
11	---	---	---	---	---	---	---	6910	8940	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	1670	---	---	---	---	---	---	---	12800	---	---	---
15	---	---	---	---	---	---	---	---	14960	---	---	---
16	---	---	---	---	---	---	---	---	16890	---	32340	---
17	---	---	---	---	---	---	---	4690	18680	---	---	20410
18	---	---	---	---	---	---	---	4240	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	1480	---	---	---	---	---	---	---	21690	---	---	---
21	---	---	---	---	---	---	---	---	22080	---	---	---
22	---	---	---	---	---	---	---	---	22480	---	---	18590
23	1410	---	---	---	---	---	---	3060	22980	---	---	---
24	---	---	---	---	---	---	---	---	23470	---	29680	---
25	---	---	---	---	---	---	---	2030	24280	---	29320	---
26	---	---	---	---	---	---	---	---	24920	---	---	---
27	1800	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	17920	---	---	677	26830	---	---	16180
29	---	---	---	---	---	---	---	---	28030	---	---	---
30	---	11630	---	---	---	---	11470	---	29250	---	---	15190
31	2140	---	14130	16240	---	19750	---	886	---	35760	26900	---
(†)	8,079.05	8,100.30	8,104.85	8,108.50	8,111.30	---	8,100.00	8,075.10	8,128.30	8,137.00	8,125.00	8,106.70
(‡)	+790	+9,490	+2,500	+2,110	+1,680	+1,830	-8,280	-10,580	+28,360	+6,510	-8,860	-11,710

CAL YR 1974. ‡ -6,430

WTR YR 1975. ‡ +13,840

† Elevation, in feet at end of month

‡ Change in contents, in acre-feet.

a No gage-height reading; contents interpolated.

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LOCATION.--Lat 40°33'23", long 110°29'02", in SW¼SW¼NW¼ sec.20, T.2 N., R.5 W., Uintah meridian, Duchesne County, Ashley National Forest, on right bank 2,000 ft (610 m) downstream from Moon Lake Dam, 2 miles (3 km) downstream from Brown Duck Creek, and 12 miles (19 km) northwest of Mountain Home.

PERIOD OF RECORD.--September 1921 to September 1934 (fragmentary), April 1942 to current year. Published as West Fork of Lake Fork near Mountain Home 1921-34 and as Lake Fork below Moon Lake, near Mountain Home 1942-65.

AVERAGE DISCHARGE.--33 years (1942-1975), 129 ft³/s (3.653 m³/s) 93,460 acre-ft/yr (115 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,560 ft³/s (44.2 m³/s) July 5 (gage height, 4.58 ft or 1.396 m); no flow at times when reservoir gates were closed.

Period of record: Maximum discharge recorded, 2,180 ft³/s (61.7 m³/s) June 19, 1949, from rating curve extended above 860 ft³/s (24.4 m³/s); maximum gage height, 5.46 ft (1.664 m) June 26, 1944; no flow at times when reservoir gates were closed.

REMARKS.--Records good. Flow regulated by Moon Lake Reservoir (see sta 09290500). No diversion above station.

REVISIONS (WATER YEARS).--WSP 1313: 1930 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27						0	135	199	242	283	275
2	27						0	191	140	254	281	272
3	15						0	192	187	643	279	268
4	0						0	222	211	1150	276	266
5	0						0	277	213	1040	274	262
6	0						0	281	216	1190	274	257
7	0						0	309	221	980	287	252
8	32						0	305	213	918	292	252
9	50						0	302	208	821	291	250
10	48						0	299	209	796	337	249
11	50						0	303	212	773	350	248
12	50						0	314	215	763	349	247
13	50						0	311	216	520	349	247
14	50						0	308	220	386	347	247
15	50						0	303	214	450	335	246
16	50						0	299	220	691	297	245
17	50						0	320	223	683	298	244
18	50						0	340	225	562	299	244
19	50						0	357	227	526	297	243
20	50						0	353	228	499	296	243
21	49						0	350	226	366	294	241
22	49						0	348	226	322	294	282
23	9.7						0	357	227	315	292	302
24	0						0	373	228	309	290	301
25	0						0	360	231	302	290	299
26	0						0	327	233	295	287	298
27	0						0	320	235	289	284	244
28	0						0	299	239	290	283	208
29	0				---		0	191	224	286	281	206
30	0				---		26	143	235	284	279	185
31	0	---			---		---	146	---	284	276	---
TOTAL	806.7	0	0	0	0	0	26	8935	6521	17229	9241	7623
MEAN	26.0	0	0	0	0	0	.87	288	217	556	298	254
MAX	50	0	0	0	0	0	26	373	239	1190	350	302
MIN	0	0	0	0	0	0	0	135	140	242	274	185
AC-FT	1600	0	0	0	0	0	52	17720	12930	34170	18330	15120
CAL YR 1974	TOTAL	43644.70	MEAN 120	MAX	540	MIN 0	AC-FT	86570				
WTR YR 1975	TOTAL	50381.70	MEAN 138	MAX	1190	MIN 0	AC-FT	99930				

GREEN RIVER BASIN

09292500 Yellowstone River near Altonah, Utah

LOCATION.--Lat 40°30'43", long 110°20'27", in SW¼SW¼NE¼ sec.4, T.1 N., R.4 W., Uintah meridian, Duchesne County, Uintah and Ouray Indian Reservation, on left bank 1.5 miles (2.4 km) downstream from powerplant of Moon Lake Electric Association, Inc., 2 miles (3 km) downstream from Hell Canyon, 8.2 miles (13.2 km) northwest of Altonah.

DRAINAGE AREA.--131 mi² (339 km²).

PERIOD OF RECORD.--October 1944 to current year. Prior to October 1965, published as Yellowstone Creek near Altonah.

GAGE.--Water-stage recorder. Altitude of gage is 7,430 ft (2,265 m) from river-profile map.

AVERAGE DISCHARGE.--31 years, 141 ft³/s (3,993 m³/s), 102,200 acre-ft/yr (126 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,410 ft³/s (39.9 m³/s) June 16 (gage height, 3.34 ft or 1.018 m); minimum not determined, occurred during winter period.

Period of record: Maximum discharge, 1,880 ft³/s (53.2 m³/s) June 19, 1949 (gage height, 4.55 ft or 1.387 m); minimum observed, 26 ft³/s (0.74 m³/s) Feb. 24, 1960 (discharge measurement), result of freezeup.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Some diurnal fluctuation caused by powerplant 1.5 miles (2.4 km) upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	65	52	47	45	42	40	48	201	1030	272	148
2	59	64	52	47	44	42	40	48	254	1040	243	146
3	60	62	52	47	44	42	40	50	290	1020	225	138
4	65	60	52	47	44	42	40	55	298	1000	212	135
5	73	57	51	47	44	42	40	50	361	962	202	129
6	69	57	51	47	44	42	39	49	504	960	197	123
7	66	57	51	47	44	42	38	49	669	906	194	116
8	65	57	50	47	44	42	38	47	690	817	187	115
9	65	57	50	47	44	42	38	51	702	776	179	113
10	64	53	50	47	44	42	38	56	571	708	174	122
11	64	54	49	47	44	42	38	67	546	667	172	124
12	63	54	49	47	44	41	38	77	617	674	176	121
13	62	55	49	47	44	41	38	74	778	608	179	121
14	61	52	49	47	44	41	38	94	1050	573	190	127
15	60	53	49	46	44	41	38	115	1130	530	180	130
16	59	50	49	46	44	41	38	120	1250	628	168	115
17	59	50	49	46	44	41	39	139	1020	633	163	108
18	58	53	49	46	44	41	41	143	780	512	159	103
19	58	51	49	46	44	41	42	173	613	463	157	98
20	58	53	49	46	44	41	43	207	499	430	165	96
21	57	52	49	46	44	41	44	160	447	390	160	95
22	62	53	49	46	43	41	45	131	419	400	159	93
23	72	51	49	46	42	41	51	118	456	369	150	91
24	68	52	49	46	42	41	52	116	505	343	144	90
25	63	52	49	46	42	41	50	131	655	319	140	89
26	62	55	49	46	42	40	45	135	524	297	137	86
27	61	59	48	46	42	40	44	143	601	282	146	83
28	62	51	47	46	42	40	45	135	776	274	164	82
29	71	52	47	46	---	40	48	131	900	281	162	81
30	67	53	47	46	---	40	48	133	1010	402	155	80
31	66	---	47	46	---	40	---	160	---	335	151	---
TOTAL	1958	1644	1531	1440	1220	1276	1256	3205	19116	18629	5462	3298
MEAN	63.2	54.8	49.4	46.5	43.6	41.2	41.9	103	637	601	176	110
MAX	73	65	52	47	45	42	52	207	1250	1040	272	148
MIN	57	50	47	46	42	40	38	47	201	274	137	80
AC-FT	3880	3260	3040	2860	2420	2530	2490	6360	37920	36950	10830	6540

CAL YR 1974 TOTAL 36888 MEAN 101 MAX 517 MIN 45 AC-FT 73170
WTR YR 1975 TOTAL 60035 MEAN 164 MAX 1250 MIN 38 AC-FT 119100

PEAK DISCHARGE (BASE, 700 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-8	2300	2.62	788	6-30	2400	3.20	1,240
6-16	0400	3.34	1,410				

NOTE.-- No gage-height record Dec. 20 to Apr. 22.

GREEN RIVER BASIN

87

09295000 Duchesne River at Myton, Utah

LOCATION.—Lat 40°12'01", long 110°03'47", in NE¼NW¼ sec.25, T.3 S., R.2 W., Uintah meridian, Duchesne County, on left bank at Myton, 3 miles (5 km) downstream from Lake Fork.

DRAINAGE AREA.—2,750 mi² (7,120 km²), approximately.

PERIOD OF RECORD.—October 1899 to December 1902, April to December 1903, March to December 1904, March to July and September to November 1905, April to July 1906, April to December 1907, March to December 1908, April to December 1909, March to November 1910, July 1911 to current year. Published as "at Price road bridge" 1899-1902.

GAGE.—Water-stage recorder. Datum of gage is 5,061.40 ft (1,542.715 m) above mean sea level. Prior to Oct. 14, 1933, nonrecording gages at several sites within half a mile (0.8 km) of present site at various datums.

AVERAGE DISCHARGE.—67 years (1899-1902, 1911-75), 528 ft³/s (14.95 m³/s), 382,500 acre-ft/yr (472 hm³/yr).

EXTREMES.—Current year: Maximum discharge, 4,210 ft³/s (119 m³/s) July 5 (gage height, 6.67 ft or 2.033 m); minimum, 8.0 ft³/s (0.23 m³/s) Apr. 20.

Period of record: Maximum discharge observed, 12,800 ft³/s (362 m³/s) June 10, 1922 (gage height, 7.94 ft or 2.420 m, site and datum then in use), from rating curve extended above 8,000 ft³/s (227 m³/s); minimum, less than 1 ft³/s (0.028 m³/s) July 16, 1931, and for several days in August and September 1934.

REMARKS.—Records good except those for winter period, which are poor. Flow regulated by several reservoirs. Large diversions above station for irrigation, including transmountain diversions to The Great Basin through Duchesne and Strawberry tunnels, Hobbie Creek ditch, and Strawberry River and Willow Creek ditch.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	61	75	105	135	88	49	14	276	3040	303	72
2	26	70	76	110	130	88	42	13	517	3190	363	68
3	32	71	98	120	125	88	42	12	898	3110	371	54
4	35	67	88	125	120	88	41	34	751	3270	297	66
5	47	60	80	130	115	88	40	63	694	3870	152	49
6	51	58	70	135	110	85	42	65	592	3720	110	70
7	46	57	75	140	105	85	42	44	1390	3740	75	74
8	46	55	84	437	100	86	37	47	2100	3230	113	72
9	36	50	70	140	95	86	50	45	2230	2830	82	73
10	38	43	75	135	95	82	46	46	1790	2570	81	79
11	44	40	88	130	95	81	45	44	1320	2500	82	105
12	38	33	83	130	92	80	36	59	1220	2290	78	120
13	28	32	80	125	92	70	38	67	1480	2060	76	91
14	29	31	75	125	92	66	49	124	2250	1910	120	99
15	31	29	75	120	92	66	44	134	3140	1470	96	112
16	41	41	76	115	92	70	51	173	3660	1640	80	116
17	46	47	80	112	92	65	70	197	3440	2260	74	80
18	40	48	82	110	92	57	42	283	2500	1750	73	68
19	39	48	80	110	92	51	9.9	348	2060	1430	70	69
20	42	47	80	110	92	56	8.6	671	2050	1190	59	69
21	46	55	80	110	90	52	8.7	886	2040	1020	75	72
22	49	58	80	110	90	50	8.6	623	1430	786	93	74
23	46	61	78	110	90	44	12	445	1290	641	89	75
24	42	61	78	110	90	40	16	194	1370	480	79	65
25	38	57	78	115	90	45	31	152	1650	357	68	45
26	34	112	80	120	88	63	44	175	1720	278	63	27
27	33	85	85	125	88	137	38	178	1600	234	69	29
28	35	66	88	130	88	74	29	172	1870	201	73	35
29	43	72	94	135	---	46	17	160	2230	193	71	58
30	51	73	97	140	---	44	16	146	2640	295	73	52
31	57	---	100	145	---	48	---	163	---	468	73	---
TOTAL	1234	1688	2528	4114	2767	2169	1044.8	5777	52198	56023	3581	2138
MEAN	39.8	56.3	81.5	133	98.8	70.0	34.8	186	1740	1807	116	71.3
MAX	57	112	100	437	135	137	70	886	3660	3870	371	120
MIN	25	29	70	105	88	40	8.6	12	276	193	59	27
AC-FT	2450	3350	5010	8160	5490	4300	2070	11460	103500	111100	7100	4240

CAL YR 1974 TOTAL 121626.0 MEAN 333 MAX 2600 MIN 17 AC-FT 241200
WTR YR 1975 TOTAL 135261.8 MEAN 371 MAX 3870 MIN 8.6 AC-FT 268300

PEAK DISCHARGE (BASE, 600 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-20	2300	3.93	1,040	6-16	2200	6.60	4,030
6-3	1800	3.98	1,080	7-5	1800	6.67	4,210
6-9	1900	5.48	2,480	7-16	2400	5.40	2,360

GREEN RIVER BASIN

09297000 Uinta River near Neola, Utah

LOCATION.--Lat 40°32'08", long 110°03'46", in SE¼SW¼SW¼ sec.25, T.2 N., R.2 W., Uintah meridian, Duchesne County, Uintah and Ouray Indian Reservation, on left bank 1,000 ft (305 m) downstream from Uinta Power & Light Co. powerplant, 0.8 mile (1.3 km) upstream from Pole Creek, and 7 miles (11 km) north of Neola.

DRAINAGE AREA.--160 mi² (414 km²), approximately.

PERIOD OF RECORD.--July 1921 to September 1927 (no winter records 1922-25, 1927) September 1929 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,910 ft (2,106 m) from river-profile map. Prior to Aug. 4, 1951, water-stage recorder, or nonrecording gages at several sites within 2,000 ft (610 m) of present site at various datums. Aug. 4, 1951, to June 11, 1965, water-stage recorder at site 50 ft (15 m) upstream at various datums.

AVERAGE DISCHARGE.--47 years (1925-26, 1929-75), 181 ft³/s (5.126 m³/s), 131,100 acre-ft/yr (162 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 3,350 ft³/s (94.9 m³/s) June 16 (gage height, 5.75 ft or 1.753 m), from rating curve extended above 1,600 ft³/s (45.3 m³/s); minimum recorded, 15 ft³/s (0.42 m³/s) Feb. 22, result of freezeup or powerplant regulation. Period of record: Maximum discharge, about 5,000 ft³/s (142 m³/s) June 11, 1965 (gage height, 7.00 ft or 2.134 m, from floodmarks, site and datum then in use), from rating curve extended above 1,200 ft³/s (34.0 m³/s); minimum recorded, 14 ft³/s (0.40 m³/s) Jan. 14, 1974, result of freezeup or powerplant regulation.

REMARKS.--Records good except those for December, January, June and July, which are fair. Summer flow slightly regulated by storage in several small mountain lakes and reservoirs. Water diverted from Pole Creek and Uinta River, and used at Uinta Power & Light Co. powerplant, enters river about 1,000 ft (305 m) above station. Uinta power canal diverts from river 6 miles (10 km) above station. Enlargement of canal completed in August 1944. Flow through canal increased Oct. 12, 13, 1944, and held nearly constant thereafter. Power canal and Pole Creek diversion feed to common forebay. Water not used through powerplant wastes through spillway of forebay at penstock intake and enters river a short distance above station. Prior to Nov. 18, 1948, spill entered river 0.5 mile (0.8 km) below station. Considerable spill occurs at times when one of two power units is not operating. Discharge measurements, in cubic feet per second, during the water year 1975, of Pole Creek Canal are as follows:

Oct. 9	2.6	Apr. 1	2.5
Nov. 21	4.0	May 15	7.0
Dec. 5	3.6	June 17	2.0
Jan. 8	2.9	July 23	4.5
Feb. 5	3.5	Aug. 8	2.3
Mar. 17	2.4	Sept. 3	2.1

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	92	53	48	45	50	39	47	296	1020	381	224
2	71	90	56	48	45	53	38	50	406	1080	325	226
3	72	85	55	45	46	53	40	55	467	1150	297	209
4	82	78	56	43	46	51	41	68	509	1160	278	192
5	92	73	55	47	46	51	43	64	628	1090	268	178
6	85	71	52	52	46	52	44	55	760	1090	257	190
7	80	70	53	52	46	45	43	53	948	984	255	207
8	78	71	49	46	46	45	39	51	996	936	258	205
9	77	73	50	49	45	46	38	57	948	924	250	203
10	76	69	50	52	47	45	42	64	602	830	249	204
11	77	65	50	48	49	45	42	80	530	758	317	216
12	77	65	50	48	48	42	45	97	570	772	332	165
13	74	67	48	48	46	42	49	84	890	663	354	150
14	73	67	45	48	46	45	50	107	1670	662	360	147
15	73	67	46	48	46	43	49	138	1900	597	317	150
16	72	64	47	48	46	44	49	161	2670	797	276	136
17	73	62	46	48	46	46	48	205	1810	846	254	126
18	72	64	48	48	47	44	51	208	1060	623	249	123
19	70	63	42	48	49	46	51	261	675	562	262	117
20	69	56	44	48	48	48	55	359	462	527	276	114
21	69	59	46	48	46	47	55	305	393	482	253	113
22	77	59	46	48	46	48	64	255	386	528	246	111
23	98	57	46	48	46	45	67	227	495	478	232	110
24	92	54	47	48	46	44	67	222	686	446	227	107
25	80	53	47	48	46	45	69	245	1010	415	221	107
26	77	50	48	48	47	44	60	240	770	393	235	106
27	75	50	49	47	47	42	51	257	984	363	236	103
28	82	56	50	46	47	42	47	243	1560	341	236	100
29	116	46	50	46	---	44	47	233	1840	342	231	99
30	98	48	50	46	---	48	46	226	1290	514	230	94
31	92	---	49	46	---	41	---	256	---	504	228	---
TOTAL	2470	1944	1523	1481	1300	1426	1469	4973	28211	21877	8390	4532
MEAN	79.7	64.8	49.1	47.8	46.4	46.0	49.0	160	940	706	271	151
MAX	116	92	56	52	49	53	69	359	2670	1160	381	226
MIN	69	46	42	43	45	41	38	47	296	341	221	94
AC-FT	4900	3860	3020	2940	2580	2830	2910	9860	55960	43390	16640	8990

CAL YR 1974	TOTAL	41436	MEAN	114	MAX	446	MIN	42	AC-FT	82190
WTR YR 1975	TOTAL	79596	MEAN	218	MAX	2670	MIN	38	AC-FT	157900

PEAK DISCHARGE (BASE, 700 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-8	2200	4.41	1,220	6-29	0400	4.91	2,280
6-16	0800	5.75	3,350	7-17	0100	4.00	1,160

GREEN RIVER BASIN

89

09298000 Farm Creek near Whiterocks, Utah

LOCATION.--Lat 40°34'03", long 109°57'39", in SE¼NW¼SE¼ sec.14, T.2 N., R.1 W., Uintah meridian, Uintah County, Ashley National Forest, on right bank 0.7 mile (1.1 km) upstream from Hominy Creek and 7 miles (11 km) northwest of Whiterocks.

DRAINAGE AREA.--14.9 mi² (38.6 km²).

PERIOD OF RECORD.--July 1949 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 7,040 ft (2,146 m) by barometer.

AVERAGE DISCHARGE.--26 years, 6.18 ft³/s (0.175 m³/s), 4,480 acre-ft/yr (5.52 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 124 ft³/s (3.51 m³/s) June 6 (gage height, 3.19 ft or 0.972 m); minimum, 1.2 ft³/s-(0.034 m³/s) Mar. 29.

Period of record: Maximum discharge, 350 ft³/s (9.91 m³/s) June 3, 1968 (gage height, 3.95 ft or 1.204 m), from rating curve extended above 140 ft³/s (3.96 m³/s); minimum, 1.2 ft³/s (0.034 m³/s) Apr. 2, 1965, Mar. 29, 1975.

REMARKS.--Records good.

REVISIONS.--WSP 2125: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	2.5	1.7	1.8	1.5	1.6	1.5	1.6	21	29	4.3	1.3
2	2.7	2.4	1.8	1.8	1.5	1.6	1.6	1.6	30	27	4.0	1.4
3	2.8	2.4	1.9	1.8	1.5	1.6	1.6	1.7	39	24	4.0	1.3
4	2.8	2.3	1.9	1.8	1.4	1.6	1.6	1.7	45	23	3.9	1.3
5	2.8	2.3	1.9	1.8	1.4	1.6	1.6	1.7	61	22	3.9	1.3
6	2.8	2.2	1.9	1.9	1.4	1.6	1.6	1.7	94	22	3.7	1.3
7	2.8	2.1	1.9	1.9	1.4	1.6	1.7	1.7	92	24	3.3	1.3
8	2.8	2.1	1.9	1.9	1.4	1.7	1.6	1.5	77	18	3.3	1.4
9	2.7	2.1	2.0	1.9	1.4	1.7	1.5	1.5	58	16	2.9	1.5
10	2.6	2.1	2.0	1.9	1.4	1.7	1.5	1.6	42	15	2.7	1.5
11	2.6	2.0	2.0	1.9	1.3	1.7	1.5	1.6	43	14	2.6	1.6
12	2.5	2.0	2.0	1.8	1.3	1.6	1.5	1.7	49	14	2.4	1.6
13	2.8	2.0	2.0	1.7	1.4	1.6	1.5	1.8	57	13	2.2	1.6
14	2.7	1.9	2.0	1.7	1.4	1.6	1.6	1.9	60	13	2.1	1.7
15	2.6	1.9	2.1	1.7	1.3	1.6	1.6	2.1	52	11	2.0	1.7
16	2.6	1.7	2.0	1.7	1.5	1.6	1.6	2.3	48	11	1.9	1.6
17	2.6	1.7	2.0	1.7	1.5	1.6	1.6	2.7	42	11	1.7	1.6
18	2.6	1.7	1.9	1.7	1.5	1.6	1.6	2.8	48	11	1.6	1.6
19	2.7	1.7	2.0	1.7	1.5	1.6	1.6	5.3	38	9.4	1.5	1.6
20	2.7	1.6	1.9	1.7	1.6	1.6	1.6	11	34	8.2	1.5	1.6
21	2.7	1.6	1.9	1.7	1.7	1.6	1.6	10	35	7.4	1.5	1.6
22	2.4	1.6	1.7	1.6	1.7	1.6	1.7	9.0	39	6.8	1.5	1.6
23	3.0	1.6	1.8	1.6	1.7	1.6	1.6	8.0	48	6.7	1.5	1.6
24	3.0	1.6	1.8	1.6	1.7	1.6	1.6	7.7	66	5.9	1.3	1.5
25	2.8	1.6	1.8	1.6	1.6	1.6	1.6	8.3	62	5.4	1.3	1.5
26	2.8	1.6	1.8	1.6	1.6	1.5	1.7	9.3	46	5.4	1.3	1.6
27	2.8	1.6	1.8	1.6	1.6	1.5	1.6	11	42	5.1	1.3	1.6
28	3.1	1.7	1.8	1.6	1.6	1.5	1.6	12	38	4.7	1.3	1.6
29	3.4	1.7	1.8	1.6	---	1.5	1.6	13	35	4.7	1.3	1.6
30	3.0	1.7	1.8	1.6	---	1.5	1.6	15	32	4.5	1.3	1.6
31	2.5	---	1.8	1.6	---	1.5	---	17	---	4.7	1.3	---
TOTAL	85.9	57.0	58.6	53.5	41.8	49.3	47.7	169.8	1473	396.9	70.4	45.6
MEAN	2.77	1.90	1.89	1.73	1.49	1.59	1.59	5.48	49.1	12.8	2.27	1.52
MAX	3.4	2.5	2.1	1.9	1.7	1.7	1.7	17	94	29	4.3	1.7
MIN	2.5	1.6	1.7	1.6	1.3	1.5	1.5	1.5	21	4.5	1.3	1.3
AC-FT	170	113	116	106	83	98	95	337	2920	787	140	90

CAL YR 1974 TOTAL 1138.4 MEAN 3.12 MAX 17 MIN 1.6 AC-FT 2260
WTH YR 1975 TOTAL 2549.5 MEAN 6.98 MAX 94 MIN 1.3 AC-FT 5060

PEAK DISCHARGE (BASE, 20 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-6	2400	3.19	124	6-24	2200	3.10	106
6-13	2100	3.01	90				

09299500 Whiterocks River near Whiterocks, Utah

LOCATION.--Lat 40°33'54", long 109°55'37", in SE¼SE¼SW¼ sec.18, T.2 N., R.1 E., Uintah meridian, Uintah County, on left bank 0.8 mile (1.3 km) upstream from heading of United States Whiterocks Canal, and 6.5 miles (10.5 km) north of Whiterocks.

DRAINAGE AREA.--113 mi² (293 km²).

PERIOD OF RECORD.--September 1899 to December 1903, April to December 1907, March 1908 to November 1910, October 1913 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as Whiterocks River in Canyon, 1899 and as Whiterocks Creek near Whiterocks, 1918-25. November 1917 to June 1921 United States Whiterocks Canal diverted above station (records equivalent if flow of Whiterocks Canal is included).

GAGE.--Water-stage recorder. Altitude of gage is 6,980 ft (2,128 m) from river-profile map. Prior to Oct. 16, 1930, nonrecording gages at several sites within 1 mile (2 km) of present site at various datums. Oct. 16, 1930, to Nov. 7, 1949, water-stage recorder at site 60 ft (18 m) downstream at different datum. Nov. 8, 1949 to June 14, 1975, water-stage recorder at site 40 ft (12 m) upstream at different datum.

AVERAGE DISCHARGE.--68 years (1899-1903, 1908-10, 1913-75), 125 ft³/s (3.54 m³/s), 90,560 acre-ft/yr (112 hm³/yr).

EXTREMES.--Current year: Maximum discharge not determined, probably occurred June 16; minimum not determined, probably occurred during winter period.

Period of record: Maximum discharge determined, 2,750 ft³/s (77.9 m³/s) June 20, 21, 1922 (gage height, 5.40 ft or 1.646 m), site and datum then in use, from rating curve extended above 1,700 ft³/s (48.1 m³/s); minimum recorded, 10 ft³/s (0.28 m³/s) Dec. 5, 1933.

REMARKS.--Records good except those for winter period and period of no gage-height record, which are poor. Flow slightly regulated by small mountain lakes. One small diversion 2 miles (3 km) above station for irrigation of about 100 acres (0.40 km²) lying both above and below station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	45	27	22	21	21	20	23	219	1000	230	159
2	45	41	27	22	21	21	20	23	307	900	220	157
3	48	40	27	22	21	21	20	26	402	900	200	150
4	49	34	27	22	21	21	20	30	520	900	180	142
5	54	34	27	22	21	21	20	27	825	900	170	138
6	53	33	27	22	21	21	20	24	1160	850	160	135
7	49	34	26	22	21	21	20	23	1420	820	160	120
8	48	34	25	22	21	21	24	34	1260	750	150	118
9	46	34	25	22	21	21	26	50	856	700	150	116
10	46	30	25	22	21	21	19	40	526	660	150	118
11	45	30	24	22	21	21	20	45	434	630	150	124
12	45	32	24	22	21	21	22	50	476	580	160	120
13	44	31	24	22	21	21	23	45	682	540	180	124
14	41	30	24	22	21	21	22	63	1190	520	170	120
15	42	30	24	22	21	21	22	87	1500	500	160	111
16	48	29	24	22	21	21	22	114	2200	520	150	102
17	46	29	24	22	21	21	22	169	1300	550	150	84
18	46	30	24	22	21	21	22	181	900	450	140	78
19	45	28	24	22	21	21	24	266	600	400	140	73
20	44	28	24	22	21	21	24	352	450	380	140	72
21	42	29	23	22	21	23	26	214	380	350	140	68
22	46	28	23	22	21	23	28	162	370	330	140	66
23	54	28	23	22	21	23	29	143	400	300	130	62
24	50	27	23	22	21	23	29	131	450	280	130	64
25	45	27	23	22	21	23	30	144	650	270	130	77
26	41	27	23	22	21	22	26	143	620	260	140	77
27	40	27	23	22	21	24	24	161	650	250	150	77
28	45	27	23	22	21	22	22	159	1100	250	164	76
29	53	27	23	22	---	20	21	158	1500	260	176	75
30	49	27	23	22	---	19	21	155	1200	300	171	74
31	46	---	23	22	---	20	---	180	---	270	162	---
TOTAL	1439	930	756	682	588	662	688	3422	24547	16570	4943	3077
MEAN	46.4	31.0	24.4	22.0	21.0	21.4	22.9	110	818	535	159	103
MAX	54	45	27	22	21	24	30	352	2200	1000	230	159
MIN	40	27	23	22	21	19	19	23	219	250	130	62
AC-FT	2850	1840	1500	1350	1170	1310	1360	6790	48690	32870	9800	6100

CAL YR 1974 TOTAL 23656 MEAN 64.8 MAX 761 MIN 23 AC-FT 46920
WTR YR 1975 TOTAL 58304 MEAN 160 MAX 2200 MIN 19 AC-FT 115600

PEAK DISCHARGE (BASE, 600 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-7	0200	4.56	1,750	6-29	unknown	unknown	unknown
6-16	unknown	unknown	unknown				

NOTE.--No gage-height record June 15 to Aug. 27.

GREEN RIVER BASIN

91

09302000 Duchesne River near Randlett, Utah

LOCATION.--Lat 40°12'57", long 109°47'05", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.3 S., R.2 E., Uintah meridian, Uintah County, on left bank 0.2 mile (0.3 km) downstream from Uinta River, 1.2 miles (1.9 km) southeast of Randlett, and 6.5 miles (10.5 km) southeast of Fort Duchesne.

DRAINAGE AREA.--3,920 mi² (10,150 km²), approximately.

PERIOD OF RECORD.--October 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,758.0 ft (1,450.238 m) above mean sea level. Prior to Aug. 23, 1944, water-stage recorder at site 500 ft (152 m) downstream at different datum. Aug. 23, 1944 to Sept. 4, 1964, water-stage recorder at present site and datum. Sept. 5, 1964 to June 6, 1968, water-stage recorder at site 500 ft (152 m) upstream at datum 0.19 ft (0.058 m) lower. June 7, 1968 to Aug. 31, 1970, water-stage recorder at present site and datum. Sept. 1, 1970 to June 7, 1975, water-stage recorder at site 100 ft (30 m) upstream at datum 0.36 ft (0.110 m) higher.

AVERAGE DISCHARGE.--33 years, 592 ft³/s (16.77 m³/s), 428,900 acre-ft/yr (529 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 5,520 ft³/s (156 m³/s) June 16 (gage height, 6.76 ft or 2.060 m); minimum, 36 ft³/s (1.02 m³/s) May 3, 4.

Period of record: Maximum discharge, 10,300 ft³/s (292 m³/s) June 13, 1965 (gage height, 8.33 ft or 2.539 m) site and datum then in use; maximum gage height, 9.03 ft (2.752 m) Feb. 13, 1962, (backwater from ice); minimum discharge, 2.2 ft³/s (0.062 m³/s) Aug. 12, 1961.

REMARKS.--Records good except those for winter period, and those for period of no gage-height record, which are poor. Flow regulated by several reservoirs. Large diversions above station for irrigation, including transmountain diversions to The Great Basin through Duchesne and Strawberry tunnels, Hobbie Creek ditch, and Strawberry River and Willow Creek ditch. Records of chemical analysis and water temperatures for the water year 1975 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	145	93	155	200	170	99	47	302	4370	706	168
2	72	155	111	160	200	170	92	42	461	4580	592	133
3	74	180	106	165	200	170	90	37	819	4620	641	108
4	87	190	172	170	190	170	90	37	831	4620	557	104
5	94	170	161	175	190	160	85	65	742	5060	333	112
6	104	150	135	180	185	160	82	103	830	4960	270	129
7	112	140	145	195	180	155	80	81	1470	4870	173	145
8	108	120	155	200	180	150	76	65	3050	4520	150	141
9	114	110	120	200	180	150	70	63	3270	4030	173	145
10	106	105	127	190	185	140	85	50	2700	3700	145	154
11	106	104	145	180	185	140	77	62	1840	3430	150	218
12	102	94	133	170	185	130	73	67	1570	3420	150	254
13	93	93	128	170	185	116	73	68	1810	3000	154	265
14	85	92	121	170	185	109	74	106	3040	2730	212	220
15	89	93	114	170	185	109	77	142	4510	2210	265	180
16	99	85	130	170	185	105	75	187	5180	2420	254	190
17	114	96	130	170	180	106	87	236	5120	3710	228	210
18	107	98	134	170	180	92	117	320	4080	3000	207	200
19	104	99	134	170	175	84	68	414	3880	2410	173	160
20	97	93	133	170	170	80	51	653	3540	1900	150	150
21	99	95	130	170	170	85	49	1300	4190	1500	159	150
22	112	105	125	170	170	76	46	914	2850	1260	183	160
23	119	109	120	170	160	72	41	729	2490	1150	192	140
24	104	107	120	170	160	66	45	477	2590	874	168	115
25	100	106	120	180	160	68	48	290	3070	641	159	100
26	96	104	125	190	165	90	71	306	3150	510	133	105
27	90	197	130	200	165	137	83	321	2770	495	133	110
28	92	131	140	210	165	151	81	343	3070	490	168	115
29	95	115	145	210	---	78	72	333	3580	495	183	120
30	105	98	150	210	---	73	59	293	4030	543	183	125
31	130	---	155	210	---	86	---	249	---	810	164	---
TOTAL	3087	3579	4087	5590	5020	3648	2216	8400	80835	82328	7508	4626
MEAN	99.6	119	132	180	179	118	73.9	271	2695	2656	242	154
MAX	130	197	172	210	200	170	117	1300	5180	5060	706	265
MIN	72	85	93	155	160	66	41	37	302	490	133	100
AC-FT	6120	7100	8110	11090	9960	7240	4400	16660	160300	163300	14890	9180

CAL YR 1974 TOTAL 143324 MEAN 393 MAX 2510 MIN 53 AC-FT 284300
WTR YR 1975 TOTAL 210924 MEAN 578 MAX 5180 MIN 37 AC-FT 418400

Note.--No gage-height record Dec. 26 to Mar. 12.

09306500 White River near Watson, Utah

LOCATION.--Lat 39°58'46", long 109°10'41", in SE¼SW¼NE¼ sec.2, T.10 S., R.24 E., Uintah County, on right bank 350 ft (110 m) downstream from bridge on State Highway 45, 1 mile (2 km) downstream from Evacuation Creek, and 7 miles (11 km) north of Watson.

DRAINAGE AREA.--4,020 mi² (10,410 km²), approximately.

PERIOD OF RECORD.--April 1904 to October 1906 (no winter records), May to November 1918, April 1923 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "near Dragon" 1906 and "near Rangely, Colo." 1904-05, 1918.

GAGE.--Water-stage recorder. Datum of gage is 4,946.78 ft (1,507.779 m) above mean sea level. See WSP 1733 for history of changes prior to Oct. 27, 1959.

AVERAGE DISCHARGE.--52 years (1923-75), 704 ft³/s (19.94 m³/s), 510,000 acre-ft/yr (629 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 4,150 ft³/s (118 m³/s) June 9 (gage height, 6.60 ft or 2.012 m); minimum discharge, 108 ft³/s (3.06 m³/s) Dec. 26, result of freezeup.

Period of record: Maximum daily discharge, 8,160 ft³/s (231 m³/s) July 15, 1929; maximum gage height, 13.1 ft (3.99 m) Feb. 11, 1962 from Floodmark in well (backwater from ice); minimum discharge, 11 ft³/s (0.31 m³/s) Dec. 6, 1972, result of freezeup; minimum daily, 45 ft³/s (1.27 m³/s) Dec. 6, 1972, result of freezeup.

REMARKS.--Records good except those for winter periods, which are poor. Diversions for irrigation of about 31,900 acres (129 km²) above station. Records of chemical analyses and water temperatures for the water year 1975 will be published in section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	416	448	231	360	390	470	465	556	1570	2610	699	365
2	410	460	241	360	390	500	460	526	1670	2630	608	360
3	421	465	275	350	380	550	421	498	2010	2670	608	360
4	410	443	290	330	380	570	421	498	2240	2630	587	370
5	416	448	400	310	370	590	448	550	2460	2760	574	365
6	432	443	482	290	370	610	460	622	2670	2580	544	355
7	443	416	482	290	390	620	492	650	2900	2550	514	340
8	443	410	438	285	400	630	509	601	3180	2260	509	325
9	454	410	335	280	410	620	482	550	3820	2060	526	335
10	460	421	320	280	410	600	438	526	3910	1970	520	416
11	465	432	212	275	410	600	426	520	3170	1810	509	629
12	465	432	246	280	410	600	416	574	2620	1560	509	514
13	482	426	295	290	410	590	416	699	2330	1410	556	460
14	487	426	360	300	410	556	421	734	2370	1350	504	454
15	460	443	370	310	410	520	416	830	2730	1260	504	492
16	443	438	380	315	400	504	421	1100	3180	1280	532	487
17	438	426	385	320	390	550	443	1320	3520	1440	520	470
18	426	421	350	320	380	504	482	1720	3480	1350	498	448
19	421	410	340	325	370	509	544	2060	3150	1200	465	448
20	421	416	370	330	360	526	498	1870	2920	1090	443	448
21	416	410	360	340	350	498	454	2240	2560	1020	438	443
22	416	390	320	350	340	532	443	2550	2470	1010	460	443
23	432	432	270	370	330	504	454	2280	2320	915	476	448
24	448	448	230	380	320	465	492	1880	2170	838	465	454
25	438	426	200	400	320	438	538	1600	2260	776	438	465
26	438	405	170	420	340	443	562	1710	2550	748	416	465
27	438	405	170	430	370	454	622	1660	2450	734	416	454
28	432	416	170	420	420	416	678	1960	2370	678	400	476
29	438	350	190	400	---	416	671	1980	2490	657	400	470
30	432	416	230	390	---	400	608	1850	2580	706	400	465
31	448	---	300	390	---	405	---	1580	---	685	380	---
TOTAL	13589	12732	9412	10490	10630	16190	14601	38294	80120	47237	15418	13024
MEAN	438	424	304	338	380	522	487	1235	2671	1524	497	434
MAX	487	465	482	430	420	630	678	2550	3910	2760	699	629
MIN	410	350	170	275	320	400	416	498	1570	657	380	325
AC-FT	26950	25250	18670	20810	21080	32110	28960	75960	158900	93690	30580	25830
CAL YR 1974	TOTAL	254634	MEAN 698	MAX 3030	MIN 170	AC-FT 505100						
WTR YR 1975	TOTAL	281737	MEAN 772	MAX 3910	MIN 170	AC-FT 558800						

PEAK DISCHARGE (BASE, 2,900 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-9	2200	6.60	4,150	7-5	1200	5.43	2,950
6-17	1800	6.15	3,700				

GREEN RIVER BASIN

93

09306800 Bitter Creek near Bonanza, Utah

LOCATION.—Lat 39°45'12", long 109°21'15", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.12 S., R.23 E., Uintah County, on left bank 150 ft (46 m) upstream from road bridge, 3 miles (5 km) downstream from Sweetwater Canyon Creek, 17 miles (27 km) upstream from mouth, and 3 miles (29 km) southwest of Bonanza.

DRAINAGE AREA.—324 mi² (839 km²).

PERIOD OF RECORD.—October 1970 to current year.

GAGE.—Water-stage recorder. Altitude of gage is 5,570 ft (1,698 m) from topographic map.

AVERAGE DISCHARGE.—5 years, 1.44 ft³/s (0.041 m³/s), 1,040 acre-ft/yr (1.28 hm³/yr).

EXTREMES.—Current year: Maximum discharge, 20 ft³/s (0.57 m³/s) July 17 (gage height, 5.00 ft or 1.524 m); no flow for many days.

Period of record: Maximum discharge, 1,660 ft³/s (47.0 m³/s) July 17, 1974 (gage height, 13.55 ft or 4.130 m, from floodmarks), from rating curve extended above 5 ft³/s (0.142 m³/s) on basis of slope-area measurement of peak flow; no flow for many days each year.

REMARKS.—Records fair except those for winter period, which are poor. Small reservoirs on tributaries above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.10	.11	.07	0	.45	.60	2.5	5.6	2.5	.26	0
2	0	.10	.13	.07	0	.45	1.0	2.5	5.4	2.4	.18	0
3	0	.10	.15	.07	0	.45	1.2	2.2	5.9	2.4	.09	0
4	0	.10	.17	.07	0	.45	1.5	2.2	5.9	2.4	.07	0
5	0	.10	.18	.07	0	.45	1.6	3.0	5.6	3.4	.08	0
6	0	.10	.18	.03	0	.45	1.9	4.3	5.4	4.3	.05	0
7	0	.10	.19	.03	0	.45	1.8	4.3	5.4	3.9	.02	0
8	0	.11	.19	.03	.03	.45	1.8	3.2	7.2	3.2	0	0
9	0	.11	.19	.03	.08	.45	1.8	2.7	7.4	5.6	0	0
10	0	.10	.20	.03	.15	.45	1.7	2.5	7.6	6.6	0	0
11	0	.10	.20	.02	.20	.45	2.2	2.2	7.9	5.2	0	.26
12	0	.10	.19	.02	.25	.44	2.4	1.3	6.9	4.5	.08	.08
13	0	.11	.18	.02	.30	.41	2.2	1.7	6.6	4.1	.37	.02
14	0	.11	.18	.02	.30	.48	2.0	1.7	5.9	6.6	.44	.02
15	0	.11	.17	.02	.35	.44	2.2	1.9	5.4	4.9	.41	.02
16	0	.10	.17	.01	.37	.44	3.0	1.9	4.9	4.9	.33	.02
17	0	.11	.16	.01	.37	.48	4.1	1.9	5.2	8.5	.26	.01
18	0	.15	.16	.01	.33	.44	2.5	2.0	6.2	4.9	.11	.01
19	.02	.10	.15	.01	.37	.48	2.4	2.8	6.6	3.4	.04	.01
20	.03	.10	.14	.01	.41	.44	2.2	2.5	5.6	2.5	.02	.01
21	.04	.15	.13	0	.33	.44	3.2	5.2	6.2	3.0	.04	.01
22	.04	.22	.13	0	.33	.42	9.3	4.5	6.2	2.8	.04	0
23	.10	.15	.12	0	.33	.42	7.4	4.5	5.4	2.2	.01	0
24	.08	.11	.11	0	.37	.41	4.3	4.1	4.5	1.5	.01	0
25	.08	.11	.11	0	.37	.41	4.1	3.6	4.5	.50	0	.01
26	.09	.11	.10	0	.33	.41	5.4	3.6	3.9	.40	0	.01
27	.10	.10	.09	0	.41	.45	4.3	3.9	3.9	.20	0	.01
28	.10	.10	.09	0	.42	.45	3.4	7.2	3.4	.10	0	0
29	.15	.10	.09	0	---	.45	3.0	9.3	3.0	.07	0	0
30	.10	.10	.09	0	---	.45	2.7	7.2	2.7	.10	0	0
31	.10	---	.09	0	---	.45	---	5.9	---	.10	0	---
TOTAL	1.17	3.36	4.54	.65	6.40	13.76	87.20	108.3	166.3	97.17	2.91	.50
MEAN	.034	.11	.15	.021	.23	.44	2.91	3.49	5.54	3.13	.094	.017
MAX	.15	.22	.20	.07	.42	.48	9.3	9.3	7.9	8.5	.44	.26
MIN	0	.10	.09	0	0	.41	.60	1.3	2.7	.07	0	0
AC-FT	2.3	6.7	9.0	1.3	13	27	173	215	330	193	5.8	1.0
CAL YR 1974	TOTAL 817.71	MEAN 2.24	MAX 9.2	MIN 0	AC-FT 1620							
WTR YR 1975	TOTAL 492.26	MEAN 1.35	MAX 9.3	MIN 0	AC-FT 976							

PEAK DISCHARGE (BASE, 25 CFS). No peak above base.

GREEN RIVER BASIN

09306900 White River at mouth near Ouray, Utah

LOCATION.--Lat 40°03'54", long 109°38'06", in SE¼SE¼NW¼ sec.2, T.9 S., R.20 E., Uintah County, on left bank 1.8 miles (2.9 km) from Ouray and 2.2 miles (3.5 km) upstream from mouth.

PERIOD OF RECORD.--April 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,655 ft (1,419 m) from topographic map.

EXTREMES.--Current year: Maximum daily discharge, 3,950 ft³/s (112 m³/s) June 10 (gage height, 7.57 ft or 2.307 m); minimum daily discharge, 180 ft³/s (5.10 m³/s) Dec. 26-28.

Period of record: Maximum daily discharge, 3,950 ft³/s (112 m³/s) June 10, 1975 (gage height, 7.57 ft or 2.307 m); minimum recorded discharge, 168 ft³/s (4.76 m³/s) Sept. 3, 4, 1974.

REMARKS.--Records poor. Diversions for irrigation of about 37,800 acres (153 km²) above station. Records of chemical analyses and water temperatures for the water year 1975 will be published in section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	400	475	260	370	400	480	495	590	1600	2650	604	347
2	388	480	240	370	400	510	470	550	1700	2700	625	333
3	380	490	270	360	390	560	430	520	2000	2750	590	331
4	394	475	310	340	390	580	440	510	2300	2700	562	325
5	380	455	380	320	380	600	460	500	2500	2690	531	328
6	392	460	480	300	380	620	480	590	2700	2720	519	331
7	418	450	500	300	400	630	530	630	2950	2510	513	333
8	450	430	450	295	410	640	551	670	3300	2420	495	320
9	445	420	380	290	420	630	534	600	3800	2200	489	304
10	457	420	330	290	420	610	494	560	3950	2000	531	306
11	480	430	300	285	420	610	455	540	3500	1920	525	370
12	495	430	255	290	420	610	434	560	2800	1680	489	695
13	490	430	300	300	420	600	421	660	2400	1540	513	495
14	515	430	370	310	420	584	436	720	2500	1390	604	477
15	510	440	380	320	420	559	438	820	2800	1360	537	435
16	490	440	390	325	410	568	437	1050	3200	1240	489	483
17	470	440	395	330	400	600	440	1300	3500	1320	549	441
18	470	430	360	330	390	604	475	2100	3600	1260	531	423
19	455	420	350	335	380	591	550	2000	3160	1200	477	407
20	440	430	380	340	370	582	580	2000	3060	1070	423	419
21	430	430	370	350	360	552	520	2200	2680	1020	411	419
22	440	410	330	360	350	541	470	2350	2510	912	399	427
23	445	440	280	380	340	582	460	2500	2350	863	419	431
24	460	460	240	390	330	546	490	2000	2200	807	435	435
25	460	460	210	410	330	491	555	1700	2300	751	419	435
26	450	430	180	430	350	479	606	1700	2550	723	395	459
27	450	410	180	440	380	491	716	1700	2500	709	380	447
28	450	420	180	430	430	464	744	1900	2450	667	382	447
29	450	380	200	410	---	419	792	2050	2550	569	370	477
30	455	410	240	400	---	446	650	1900	2650	702	358	477
31	450	---	310	400	---	425	---	1700	---	590	361	---
TOTAL	13859	13125	9800	10800	10910	17204	15553	39170	82060	47633	14925	12357
MEAN	447	438	316	348	390	555	518	1264	2735	1537	481	412
MAX	515	490	500	440	430	640	792	2500	3950	2750	625	695
MIN	380	380	180	285	330	419	421	500	1600	569	358	304
AC-FT	27490	26030	19440	21420	21640	34120	30850	77690	162800	94480	29600	24510
WTR YR 1975	TOTAL	287396	MEAN	787	MAX	3950	MIN	180	AC-FT	570000		

GREEN RIVER BASIN

95

09308500 Minnie Maud Creek near Myton, Utah

LOCATION.--Lat 39°47'55", long 110°33'55", in SW¼ sec.3, T.12 S., R.12 E., Carbon County, on left bank 38.4 miles (61.8 km) southwest of Myton.

DRAINAGE AREA.--30 mi² (78 km²), approximately.

PERIOD OF RECORD.--August 1950 to September 1955, September 1957 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,190 ft (2,192 m) by barometer.

AVERAGE DISCHARGE.--23 years, 5.16 ft³/s (0.146 m³/s), 3,740 acre-ft/yr (4.61 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 114 ft³/s (3.23 m³/s) probably Aug. 11 (gage height, 5.98 ft or 1.823 m from floodmark); no flow many days.

Period of record: Maximum discharge, 1,370 ft³/s (38.8 m³/s) Aug. 25, 1961 (gage height, 9.40 ft or 2.865 m), from rating curve extended above 110 ft³/s (3.12 m³/s) on basis of slope-area measurement of peak flow; no flow at times.

REMARKS.--Records fair except those for winter period and period of no gage-height record, which are poor. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.33	.53			0	.10	.32	8.5	30	16	3.5	2.0
2	.33	.58			0	.10	.34	11	32	15	3.3	2.0
3	.39	.52			0	.10	.36	14	32	14	3.2	2.0
4	.48	.51			0	.10	.38	16	30	14	3.0	2.0
5	.40	.50			0	.10	.40	15	30	13	2.9	2.0
6	.38	.45			0	.20	.43	13	32	12	2.8	2.0
7	.38	.40			0	.20	.46	12	31	11	2.9	2.0
8	.36	.35			0	.20	.50	12	30	12	3.1	2.0
9	.38	.30			0	.20	.54	14	27	13	3.0	2.0
10	.39	.25			0	.20	.60	16	25	10	2.9	2.5
11	.38	.20			0	.20	.75	23	22	9.1	10	2.6
12	.38	.20			0	.20	1.0	27	19	7.5	4.0	2.3
13	.39	.20			0	.20	1.8	27	18	7.2	6.0	2.2
14	.39	.20			0	.20	2.0	31	16	6.7	4.0	2.3
15	.38	.20			0	.20	2.0	30	16	6.4	3.0	2.1
16	.39	.10			0	.20	1.9	30	15	7.0	3.0	2.0
17	.37	.10			0	.20	1.9	29	14	6.4	3.0	1.9
18	.38	.10			0	.20	2.7	29	17	5.6	3.0	1.8
19	.37	.10			0	.20	3.7	30	20	5.0	3.0	1.8
20	.38	.10			0	.20	6.7	31	18	4.8	3.0	1.9
21	.39	.05			0	.30	8.8	30	18	4.6	3.0	1.8
22	.57	.05			0	.30	7.3	28	18	4.4	3.0	1.8
23	.69	.05			0	.30	8.8	24	22	4.2	3.0	1.8
24	.52	.05			0	.30	12	23	27	4.0	2.5	1.7
25	.46	.05			0	.30	12	27	27	4.1	2.5	1.6
26	.44	.02			.05	.30	8.0	30	25	4.0	2.5	1.6
27	.45	.02			.05	.30	6.3	29	23	3.8	2.5	1.6
28	.65	.02			.05	.30	4.1	29	21	3.6	2.5	1.6
29	1.0	.02			---	.30	5.9	31	19	3.8	2.5	1.6
30	.74	.02			---	.30	7.1	31	18	4.0	2.0	1.6
31	.57	---			---	.30	---	30	---	4.1	2.0	---
TOTAL	14.11	6.24	0	0	.15	6.80	109.08	730.5	692	240.3	100.6	58.1
MEAN	.46	.21	0	0	.005	.22	3.64	23.6	23.1	7.75	3.25	1.94
MAX	1.0	.58	0	0	.05	.30	12	31	32	16	10	2.6
MIN	.33	.02	0	0	0	.10	.32	8.5	14	3.6	2.0	1.6
AC-FT	28	12	0	0	.3	13	216	1450	1370	477	200	115

CAL YR 1974 TOTAL 426.07 MEAN 1.17 MAX 4.0 MIN 0 AC-FT 845
WTR YR 1975 TOTAL 1957.88 MEAN 5.36 MAX 32 MIN 0 AC-FT 3880

PEAK DISCHARGE (BASE, 90 CFS).-- Probably Aug. 11 (time unknown) 114 cfs (5.98 ft. from floodmark).

NOTE: No gage-height record Nov. 17 to Apr. 13, Aug. 11 to Sept. 10.

GREEN RIVER BASIN

09309600 Fairview Tunnel near Fairview, Utah
(Transmountain diversion)

LOCATION.--Lat 39°40'03", long 111°18'41", in NW¼NW¼NE¼ sec.25, T.13 S., R.5 E., Sanpete County, on right bank 1,000 ft (305 m) upstream from tunnel portal, 7.3 miles (11.7 km) east-northeast of Fairview.

PERIOD OF RECORD.--July 1967 to current year. Seasonal records only. (July to September 1967, gage height only).

GAGE.--Water-stage recorder and Parshall flume. Altitude of gage, 8,660 ft (2,640 m) from topographic map.

EXTREMES.--Current year: Maximum daily discharge, 19 ft³/s (0.54 m³/s) June 31-July 3; no flow many days.
Period of record: Maximum discharge, 23 ft³/s (0.65 m³/s) Aug. 2, 1969 (gage height, 1.09 ft or 0.33 m); no flow many days each year.

REMARKS.--Records fair. Fairview Tunnel diverts from San Rafael and Price River drainages in the Colorado River basin to San Pitch River in the Great Basin. Due to the location of the gage, reported flow may not be actual flow through tunnel.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									3.0	18	19	17
2									3.0	19	18	17
3									3.0	18	19	17
4									3.0	18	18	17
5									3.0	18	18	16
6									3.0	17	18	16
7									3.0	17	18	16
8									3.0	16	18	16
9									3.0	18	18	16
10									3.0	16	18	16
11									3.0	15	18	16
12									3.0	12	18	16
13									4.0	9.2	18	16
14									4.0	15	18	15
15									5.0	14	17	15
16									5.0	13	18	14
17									5.0	13	18	14
18									5.0	13	18	14
19									5.0	13	18	6.2
20									5.0	14	18	1.3
21									7.2	15	18	---
22									5.3	17	18	---
23									6.0	17	18	---
24									6.6	18	18	---
25									8.3	18	18	---
26									8.3	18	17	---
27									8.1	18	18	---
28									8.1	18	17	---
29									7.4	18	17	---
30									15	18	17	---
31									---	19	17	---
TOTAL									154.3	500.2	555	
MEAN									5.1	16	18	
MAX									15	19	19	
MIN									3.0	9.2	17	
AC-FT									306	992	1100	

GREEN RIVER BASIN

97

09310000 Gooseberry Creek near Scofield, Utah

LOCATION.--Lat 39°42'57", long 111°17'58", in NW¼SE¼SW¼ sec.6, T.13 S., R.6 E., Sanpete County, on left bank 300 ft (91 m) downstream from old Mammoth Dam, 5.5 miles (8.8 km) upstream from mouth, and 7 miles (11 km) west of Scofield.

DRAINAGE AREA.--16.4 mi² (42.5 km²).

PERIOD OF RECORD.--October 1930 to September 1931, May 1940 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 8,400 ft (2,560 m) from topographic map. October 1930 to September 1931, at different datum, May 1940 to September 1954, at datum 0.50 ft (0.15 m) higher.

AVERAGE DISCHARGE.--36 years, 18.6 ft³/s (0.527 m³/s), 13,480 acre-ft/yr (16.6 hm³/yr).

EXTREMES.--Current year: Maximum daily discharge, 256 ft³/s (7.25 m³/s) June 6 (gage height, 2.58 ft or 0.786 m); minimum daily, 1.6 ft³/s (0.045 m³/s) Dec. 9.

Period of record: Maximum discharge, 414 ft³/s (11.7 m³/s) May 30, 1952; maximum gage height, 2.98 ft (0.908 m) June 6, 1957; no flow Nov. 11, 1964, Sept. 23-26, 1966.

REMARKS.--Records poor. Transmountain diversion above station by Fairview ditch (see station 09309500) for irrigation in Sevier River basin, part of which is water diverted into Gooseberry Creek from Boulger Creek. A small reservoir on Gooseberry Creek 5 miles (8 km) above station, capacity about 1,900 acre-ft (2.3 km³) is used to regulate these diversions. Flow also affected by small reservoir 1 mile (2 km) above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	5.3	2.5	3.0	3.0	3.0	3.0	4.1	182	55	11	6.0
2	2.8	4.6	2.5	3.0	3.0	3.0	3.0	4.0	200	50	11	5.4
3	3.0	4.0	2.4	3.0	3.0	3.0	3.0	5.0	205	48	11	5.5
4	4.3	3.7	2.3	3.0	3.0	3.0	3.0	6.9	222	43	10	5.5
5	4.3	3.3	2.2	3.0	3.0	3.0	3.0	7.5	233	40	10	5.5
6	3.7	3.2	2.1	3.0	3.0	3.0	3.0	7.0	256	38	9.5	5.5
7	3.4	3.2	1.9	3.0	3.0	3.0	3.0	7.0	242	35	9.5	5.5
8	3.0	3.2	1.7	3.0	3.0	3.0	3.0	7.0	213	33	9.5	5.5
9	3.3	3.6	1.6	3.0	3.0	3.0	3.0	7.0	186	31	9.0	5.5
10	3.1	3.4	1.7	3.0	3.0	3.0	3.0	7.9	156	29	9.0	5.5
11	2.8	3.3	2.1	3.0	3.0	3.0	3.0	12	145	28	9.0	6.0
12	2.9	3.2	2.8	3.0	3.0	3.0	3.0	18	142	26	9.0	6.0
13	2.8	3.4	3.0	3.0	3.0	3.0	3.0	21	147	25	9.2	6.0
14	2.8	3.3	3.0	3.0	3.0	3.0	3.0	30	152	23	10	6.0
15	2.8	3.3	3.0	3.0	3.0	3.0	3.0	42	149	22	9.1	5.5
16	2.7	3.2	3.0	3.0	3.0	3.0	3.0	55	149	21	8.5	5.0
17	2.8	3.1	3.0	3.0	3.0	3.0	4.0	65	145	20	8.2	5.0
18	2.7	3.3	3.0	3.0	3.0	3.0	2.8	72	151	19	8.0	5.0
19	2.9	3.4	3.0	3.0	3.0	3.0	2.4	91	157	18	8.0	5.0
20	2.7	3.1	3.0	3.0	3.0	3.0	2.6	131	144	18	8.4	5.0
21	3.0	3.1	3.0	3.0	3.0	3.0	2.6	93	125	17	8.8	5.0
22	2.9	3.3	3.0	3.0	3.0	3.0	3.0	61	122	16	10	4.5
23	4.3	3.5	3.0	3.0	3.0	3.0	3.6	48	106	15	9.2	4.5
24	4.7	3.1	3.0	3.0	3.0	3.0	4.0	45	91	15	7.9	4.5
25	3.9	3.2	3.0	3.0	3.0	3.0	5.2	67	85	14	7.6	4.5
26	3.4	3.1	3.0	3.0	3.0	3.0	5.6	83	79	14	7.3	4.5
27	3.3	2.9	3.0	3.0	3.0	3.0	5.0	114	77	13	7.2	4.5
28	4.3	3.1	3.0	3.0	3.0	3.0	4.5	104	71	13	7.3	4.5
29	4.3	2.5	3.0	3.0	---	3.0	3.9	126	65	12	6.6	4.5
30	4.1	2.9	3.0	3.0	---	3.0	4.0	135	60	12	6.5	4.5
31	5.2	---	3.0	3.0	---	3.0	---	161	---	12	6.3	---
TOTAL	104.7	100.8	82.8	93.0	84.0	93.0	101.2	1637.4	4457	775	271.6	155.4
MEAN	3.38	3.36	2.67	3.00	3.00	3.00	3.37	52.8	149	25.0	8.76	5.18
MAX	5.2	5.3	3.0	3.0	3.0	3.0	5.6	161	256	55	11	6.0
MIN	2.5	2.5	1.6	3.0	3.0	3.0	2.4	4.0	60	12	6.3	4.5
AC-FT	208	200	164	184	167	184	201	3250	8840	1540	539	308

CAL YR 1974 TOTAL 5514.0 MEAN 15.1 MAX 222 MIN 1.6 AC-FT 10950
WTR YR 1975 TOTAL 7955.9 MEAN 21.8 MAX 256 MIN 1.6 AC-FT 15780

NOTE.--No gage-height record Jan. 17 to Mar. 27 and Jun. 29 to Aug. 12.

GREEN RIVER BASIN

09310500 Fish Creek above Reservoir, near Scofield, Utah

LOCATION.--Lat 39°46'28", long 111°11'25", in NW¼SW¼ sec.18, T.12 S., R.7 E., Carbon County, on right bank 0.8 mile (1.3 km) upstream from bridge, 1.2 miles (1.9 km) downstream from French Creek, and 4.5 miles (7.2 km) north of Scofield.

DRAINAGE AREA.--65 mi² (168 km²), approximately.

PERIOD OF RECORD.--June to October 1931, April to September 1932, October 1938 to current year. Published as Price River above Scofield Reservoir, near Scofield, October 1938 to September 1967.

GAGE.--Water-stage recorder. Altitude of gage is 7,670 ft (2,338 m) from topographic map. June 1931 to September 1932, and October 1938 to July 27, 1967, at various sites about 0.5 mile (0.8 km) downstream at different datums.

AVERAGE DISCHARGE.--37 years (1938-75), 46.9 ft³/s (1.328 m³/s) 33,980 acre-ft/yr (41.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,030 ft³/s (29.2 m³/s) June 5 (gage height, 4.87 ft or 1.484 m); minimum, 7.3 ft³/s (0.21 m³/s) Oct. 1-3.

Period of record: Maximum discharge, 1,160 ft³/s (32.9 m³/s) May 20, 1973 (gage height, 4.87 ft or 1.484 m); minimum recorded, 0.6 ft³/s (0.02 m³/s) Oct. 31, 1960.

REMARKS.--Records good except those for winter periods, which are poor. Small transmountain diversions in headwaters for irrigation in Sevier Lake basin and one diversion for irrigation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	12	11	9.0	10	10	10	14	694	98	26	15
2	7.4	12	11	9.0	10	10	10	17	614	88	26	15
3	7.6	11	10	9.0	10	10	10	20	819	84	25	15
4	8.6	11	10	9.0	10	10	10	25	838	81	24	15
5	9.1	12	10	9.0	10	10	10	23	864	76	23	14
6	8.6	10	9.5	9.0	10	10	10	21	907	72	23	15
7	8.3	12	9.0	9.0	10	10	10	19	835	68	22	15
8	8.0	14	9.0	9.0	10	10	10	18	814	65	21	16
9	8.0	10	9.0	9.0	10	10	10	21	664	65	21	16
10	8.3	12	9.0	9.0	10	10	10	29	521	66	21	17
11	8.0	14	9.0	9.0	10	10	10	43	461	61	21	18
12	8.3	12	9.0	10	10	10	10	56	433	57	21	17
13	8.2	14	9.0	10	10	10	10	66	429	56	21	18
14	8.2	13	9.0	10	10	10	11	99	425	53	21	18
15	8.1	12	9.0	10	10	10	11	149	401	49	20	17
16	8.1	11	9.0	10	10	10	11	172	369	50	19	16
17	8.1	11	9.0	10	10	10	11	204	331	47	19	15
18	8.6	14	9.0	10	10	10	11	231	322	42	18	15
19	8.5	11	9.0	10	10	10	11	301	322	41	18	14
20	8.5	9.5	9.0	10	10	10	11	479	296	39	19	14
21	9.0	11	9.0	10	10	10	12	276	256	37	19	14
22	9.1	12	9.0	10	10	10	13	184	232	36	21	14
23	11	11	9.0	10	10	10	14	143	204	34	19	14
24	12	11	9.0	10	10	10	15	139	186	32	17	14
25	11	12	9.0	10	10	10	16	205	172	32	17	13
26	10	12	9.0	10	10	10	15	245	159	31	17	13
27	9.9	12	9.0	10	10	10	14	377	149	30	17	13
28	10	12	9.0	10	10	10	14	376	137	30	16	13
29	11	12	9.0	10	---	10	13	430	129	29	16	13
30	11	12	9.0	10	---	10	13	465	117	29	16	13
31	12	---	9.0	10	---	10	---	584	---	28	16	---
TOTAL	280.0	354.5	286.5	299.0	280	310	346	5431	13100	1606	620	449
MEAN	9.03	11.8	9.24	9.65	10.0	10.0	11.5	175	437	51.8	20.0	15.0
MAX	12	14	11	10	10	10	16	584	907	98	26	18
MIN	7.4	9.5	9.0	9.0	10	10	10	14	117	28	16	13
AC-FT	555	703	568	593	555	615	686	10770	25980	3190	1230	891

CAL YR 1974 TOTAL 15803.4 MEAN 43.3 MAX 749 MIN 6.3 AC-FT 31350
WTR YR 1975 TOTAL 23362.0 MEAN 64.0 MAX 907 MIN 7.4 AC-FT 46340

PEAK DISCHARGE (BASE, 270 CFS).--May 20 (0500) 579 cfs (3.76 ft.), June 5 (2300) 1,030 cfs (4.87 ft.)

09311000 Scofield Reservoir near Scofield, Utah

LOCATION.--Lat 39°47'15", long 111°07'30", in NW¼SE¼ sec.10, T.12 S., R.7 E., Carbon County, on right bank 200 ft (60 m) upstream from face of dam on Price River and 4.7 miles (7.6 km) northeast of Scofield.

DRAINAGE AREA.--155 mi² (401 km²), approximately.

PERIOD OF RECORD.--October 1941, April 1942 to current year. Fragmentary records 1926-41 in files of Office of State Engineer.

GAGE.--Staff gage read twice daily. Datum of gage is at mean sea level (levels by Bureau of Reclamation). Prior to Nov. 8, 1945, at site 800 ft (240 m) upstream (200 ft or 60 m upstream from old dam) at datum 4.51 ft (1.375 m) higher.

EXTREMES.--Current year: Maximum contents, 71,200 acre-ft (87.8 hm³) June 20, 21 (elevation, 7,619.4 ft or 2,322.39 m); minimum, 31,550 acre-ft (38.9 hm³) Oct. 17-23, Dec. 4-22 (elevation, 7,604.1 ft or 2,317.73 m).

Period of record: Maximum contents, 76,450 acre-ft (94.3 hm³) May 31, June 1, 1952 (elevation, 7,621.3 ft or 2,322.97 m); minimum observed, 280 acre-ft (0.35 hm³) Oct. 3, 1945 (elevation, 7,586.25 ft or 2,312.289 m).

REMARKS.--Reservoir is formed by earth and rockfill; rock-faced dam 800 ft (240 m) downstream from old dam in use prior to Nov. 8, 1945. Storage began in May 1926. Usable capacity of reservoir formed by new dam is 65,780 acre-ft (81.1 hm³) between elevations 7,586.0 ft (2,312.3 m) (bottom of outlet works) and 7,617.5 ft (2,321.81 m) (crest of spillway). Dead storage, 8,000 acre-ft (9.87 hm³) below elevation 7,586.0 ft (2,312.21 m). Figures given herein represent usable contents. Water used for irrigation in vicinity of Price.

COOPERATION.--Capacity table furnished by Bureau of Reclamation.

REVISIONS (WATER YEARS).--WSP 1089: 1946.

Capacity table (elevation, in feet,
and usable contents, in acre-feet)

7,600	22,750	7,615	58,870
7,605	33,600	7,620	72,932
7,610	45,720		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32230	31780	31780	31780	32230	32910	34530	36170	53500	68900	62710	50870
2	32230	31780	31780	31780	32460	32910	34530	36170	55900	68900	62710	50350
3	32010	31780	31780	31780	32460	33600	34530	36170	57780	68900	62160	50090
4	32010	31780	31550	31780	32460	33600	34760	36170	59690	68900	61880	49830
5	32010	31780	31550	31780	32460	33600	34760	36170	61610	68900	61610	49570
6	32010	32010	31550	31780	32460	33600	34760	36400	62990	68900	61330	49310
7	31780	32010	31550	31780	32460	33600	34760	36400	65220	68620	60780	48790
8	31780	32010	31550	31780	32460	33600	34990	36890	66630	68330	60510	48540
9	31780	32010	31550	31780	32460	33600	34990	37120	68040	68330	59960	48280
10	31780	32010	31550	31780	32460	33830	34990	37120	68620	68040	59690	48020
11	31780	32010	31550	31780	32460	33830	34990	37350	69470	67760	59140	47760
12	31780	32010	31550	31780	32690	33830	34990	37350	69470	67760	58870	47510
13	31780	32010	31550	32010	32690	33830	34990	37830	69760	67480	58320	47250
14	31780	32010	31550	32010	32690	34060	34990	38310	70040	67190	58050	47000
15	31780	32010	31550	32010	32690	34060	34990	38790	70040	67190	57510	46740
16	31780	32010	31550	32010	32690	34060	34990	39280	70330	66910	56970	46480
17	31550	32010	31550	32010	32690	34300	34990	39760	70330	66630	56700	46480
18	31550	32010	31550	32010	32690	34300	35230	40490	70330	66350	56160	46230
19	31550	32010	31550	32010	32690	34300	35230	41230	70330	66350	55630	45720
20	31550	32010	31550	32230	32690	34300	35230	41720	71200	66060	55360	45720
21	31550	32010	31550	32230	32690	34300	35230	41720	71200	66060	54830	45470
22	31550	32010	31550	32230	32910	34530	35460	44210	70620	65780	54830	45220
23	31550	32010	31780	32230	32910	34530	35460	44960	70330	65500	54300	45220
24	31780	32010	31780	32230	32910	34530	35460	45720	70040	65500	54030	44960
25	31780	32010	31780	32230	32910	34530	35460	46480	70040	65220	53760	44710
26	31780	31780	31780	32230	32910	34530	35700	46740	69760	64940	53230	44460
27	31780	31780	31780	32230	32910	34530	35700	47510	69760	64380	52710	44210
28	31780	31780	31780	32230	32910	34530	35700	48790	69470	64380	52440	44210
29	31780	31780	31780	32230	---	34530	35930	49830	69470	63820	51920	43960
30	31780	31780	31780	32230	---	34530	35930	50870	69190	63550	51650	43710
31	31780	---	31780	32230	---	34530	---	51920	---	63270	51130	---
MAX	32230	32010	31780	32230	32910	34530	35930	51920	71200	68900	62710	50870
MIN	31550	31780	31550	31780	32230	32910	34530	36170	53500	63270	51130	43710
(†)	7,604.2	7,604.2	7,604.2	7,604.4	7,604.7	7,605.4	7,606.0	7,612.4	7,618.7	7,616.6	7,612.1	7,609.2
(‡)	-450	0	0	+450	+680	+1,620	+1,400	+15,990	+17,270	-5,920	-12,140	-7,420

CAL YR 1974. † -9,700
WTR YR 1975. ‡ +11,480

† Elevation, in feet, at end of month.
‡ Change in contents, in acre-feet.

GREEN RIVER BASIN

09312600 White River below Tabbyune Creek, near Soldier Summit, Utah

LOCATION.--Lat 39°52'33", long 111°02'12", in NE¼SE¼SW¼ sec.9, T.11 S., R.8 E., Utah County, 50 ft (15 m) downstream from bridge on U.S. Highways 6-50, 1.5 miles (2.4 km) downstream from Tabbyune Creek, 2.5 miles (4.0 km) northwest of the Colton railroad siding, and 4.5 miles (7.2 km) southeast of Soldier Summit.

DRAINAGE AREA.--75 mi² (194 km²), approximately.

PERIOD OF RECORD.--May 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,230 ft (2,204 m) from topographic map.

AVERAGE DISCHARGE.--8 years, 31.4 ft³/s (0.889 m³/s), 22,750 acre-ft/yr (28.1 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 389 ft³/s (11.0 m³/s) May 20 (gage height, 4.56 ft or 1.390 m); minimum recorded, 2.0 ft³/s (0.057 m³/s) Nov. 21. May have been lower during period of ice effect.

Period of record: Maximum discharge, 458 ft³/s (12.97 m³/s) May 14, 1973 (gage height, 5.24 ft or 1.597 m); minimum daily, 1.6 ft³/s (0.045 m³/s) Mar. 1-18, 1969.

REMARKS.--Records good except those for winter period, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	8.6	5.0	3.0	4.5	7.0	5.0	21	355	55	23	8.3
2	3.5	8.0	5.0	3.0	4.5	7.0	5.0	32	353	53	22	8.0
3	3.5	7.7	5.0	3.0	4.5	7.0	5.5	42	341	53	21	7.6
4	5.0	7.0	5.0	3.0	4.5	7.0	5.5	57	315	52	20	7.4
5	5.5	5.5	5.0	3.0	4.5	7.0	6.0	50	289	53	19	7.3
6	5.0	4.9	4.0	3.0	4.5	7.0	6.5	44	267	55	19	6.8
7	4.5	4.8	3.0	3.0	4.5	7.0	7.0	41	249	51	18	6.9
8	4.0	4.8	3.0	3.0	4.5	7.0	7.5	40	235	48	17	7.5
9	3.7	4.5	3.0	3.0	4.5	7.0	8.0	47	206	46	17	8.0
10	4.1	4.5	3.0	3.0	4.5	7.0	8.5	57	190	49	17	8.7
11	4.0	4.5	3.0	3.0	4.5	7.0	9.4	81	174	47	16	11
12	4.0	4.2	3.0	3.0	4.5	7.0	12	106	155	44	16	8.7
13	3.9	4.5	3.0	3.5	4.5	7.0	21	103	144	42	15	8.0
14	3.8	4.5	3.0	4.0	4.5	7.0	24	144	136	40	16	13
15	3.8	4.5	3.0	4.5	4.5	7.0	17	193	128	39	14	11
16	3.8	4.4	3.0	4.5	4.5	7.0	18	229	120	50	13	8.7
17	3.8	4.1	3.0	4.5	4.5	7.0	18	230	113	45	13	8.0
18	4.4	4.5	3.0	4.5	4.5	7.0	17	243	110	37	12	7.5
19	4.0	4.8	3.0	4.5	4.5	7.0	21	293	110	35	12	7.0
20	4.1	5.0	3.0	4.5	4.5	7.0	21	371	103	34	13	7.0
21	4.1	5.0	3.0	4.5	4.5	7.0	26	331	97	34	14	7.0
22	4.9	5.0	3.0	4.5	4.5	7.0	39	285	88	34	17	6.8
23	12	5.0	3.0	4.5	4.5	7.0	46	256	83	32	14	6.8
24	9.7	5.0	3.0	4.5	4.5	7.0	47	243	78	32	12	6.7
25	6.1	5.0	3.0	4.5	5.0	7.0	52	272	75	31	11	6.3
26	4.9	5.0	3.0	4.5	5.5	6.0	48	296	72	31	10	6.3
27	4.9	5.0	3.0	4.5	6.0	5.0	40	342	69	30	10	6.3
28	5.1	5.0	3.0	4.5	6.5	5.0	36	349	65	27	10	6.3
29	8.1	5.0	3.0	4.5	---	5.0	31	358	63	28	9.3	6.3
30	8.3	5.0	3.0	4.5	---	5.0	28	345	58	27	8.9	6.3
31	8.3	---	3.0	4.5	---	5.0	---	344	---	24	8.6	---
TOTAL	157.6	155.3	104.0	120.0	131.0	206.0	635.9	5845	4841	1258	457.8	231.5
MEAN	5.08	5.18	3.35	3.87	4.68	6.65	21.2	189	161	40.6	14.8	7.72
MAX	12	8.6	5.0	4.5	6.5	7.0	52	371	355	55	23	13
MIN	2.8	4.1	3.0	3.0	4.5	5.0	5.0	21	58	24	8.6	6.3
AC-FT	313	308	206	238	260	409	1260	11590	9600	2500	908	459

CAL YR 1974 TOTAL 10474.2 MEAN 28.7 MAX 269 MIN 2.0 AC-FT 20780
WTR YR 1975 TOTAL 14143.1 MEAN 38.7 MAX 371 MIN 2.8 AC-FT 28050

PEAK DISCHARGE (BASE, 100 CFS).--May 20, 1975 (1400) 389 cfs (4.56 ft.) May 29, 1975 (0400) 361 cfs (4.39 ft.).

GREEN RIVER BASIN

101

09312700 Beaver Creek near Soldier Summit, Utah

LOCATION.--Lat°39 49'50", long 110°58'07", in NW¼SW¼SW¼ sec.30, T.11 S., R.9 E., Utah County, on left bank 0.5 mile (0.8 km) upstream from mouth, 2.5 miles (4.0 km) southeast of Colton, and 9.1 miles (14.6 km) southeast of Soldier Summit.

DRAINAGE AREA.--26 mi² (67 km²), approximately.

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 7,200 ft (2,195 m) from topographic map.

AVERAGE DISCHARGE.--15 years, 4.35 ft³/s (0.123 m³/s), 3,150 acre-ft/yr (3.88 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 57 ft³/s (1.61 m³/s) June 4 (gage height, 1.83 ft or 0.558 m); minimum recorded, 0.14 ft³/s (0.004 m³/s) Oct. 13-17.

Period of record: Maximum recorded discharge, 135 ft³/s (3.82 m³/s) May 19, 1973 (gage height, 2.71 ft or 0.826 m); no flow for many days some years.

REMARKS.--Records good except those for winter periods, and period of no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.40	1.5	.87	.40	.50	1.3	1.3	4.3	45	13	3.8	.64
2	.31	1.3	.63	.40	.60	1.3	1.3	4.5	49	12	3.4	.68
3	.31	1.2	.69	.40	.70	1.3	1.3	6.4	56	11	2.9	.71
4	.31	1.0	.89	.40	.80	1.3	1.3	8.6	53	11	2.7	.60
5	.31	.70	.86	.40	.90	1.3	1.3	6.5	48	12	2.7	.58
6	.31	.72	.86	.40	1.0	1.3	1.3	5.4	45	16	2.3	.53
7	.40	.62	.80	.40	1.1	1.3	1.3	5.1	46	11	2.1	.54
8	.31	.73	.70	.40	1.2	1.3	1.3	4.8	46	9.6	1.8	.49
9	.31	.94	.60	.40	1.4	1.3	1.3	8.6	40	9.0	1.7	1.9
10	.31	.55	.50	.40	1.5	1.3	1.3	12	38	13	1.6	5.3
11	.22	.65	.40	.40	1.5	1.3	1.5	15	34	10	1.5	3.2
12	.22	.63	.40	.40	1.5	1.3	1.7	16	31	8.4	1.6	2.0
13	.14	.95	.40	.40	1.5	1.3	1.9	15	29	7.4	1.8	1.3
14	.14	.83	.40	.40	1.5	1.3	2.2	18	28	7.0	2.5	1.4
15	.14	.77	.40	.40	1.5	1.3	2.5	20	27	8.6	1.9	1.7
16	.14	.76	.40	.40	1.5	1.3	2.0	20	26	16	1.6	1.3
17	.14	.63	.40	.40	1.5	1.3	1.9	23	25	11	1.6	1.0
18	.22	.71	.40	.40	1.5	1.3	1.8	24	30	7.4	1.5	.82
19	.31	.65	.40	.40	1.5	1.3	1.8	25	38	6.0	1.4	.73
20	.31	.59	.40	.40	1.5	1.3	2.1	41	30	5.4	1.5	.67
21	.31	.65	.40	.40	1.4	1.3	2.5	31	24	5.2	1.9	.79
22	.40	.83	.40	.40	1.3	1.3	3.2	27	22	4.9	1.9	.61
23	1.7	.70	.40	.40	1.3	1.3	4.4	23	20	4.7	1.6	.66
24	2.3	.58	.40	.40	1.3	1.3	5.0	24	19	4.6	1.2	.63
25	1.1	.69	.40	.40	1.3	1.3	5.4	25	18	4.5	1.2	.65
26	.86	.87	.40	.40	1.3	1.3	6.1	27	17	4.4	1.2	.54
27	.86	.89	.40	.40	1.3	1.3	5.4	35	16	4.3	1.0	.59
28	1.3	.77	.40	.40	1.3	1.3	4.7	34	15	4.2	1.1	.54
29	2.5	.70	.40	.40	---	1.3	4.4	33	14	4.1	1.0	.44
30	2.1	1.1	.40	.40	---	1.3	4.1	32	13	4.1	1.2	.44
31	1.7	---	.40	.40	---	1.3	---	38	---	6.5	.78	---
TOTAL	20.39	24.21	15.80	12.40	35.20	40.3	77.6	612.2	942	256.3	55.98	31.98
MEAN	.66	.81	.51	.40	1.26	1.30	2.59	19.7	31.4	8.27	1.81	1.07
MAX	2.5	1.5	.89	.40	1.5	1.3	6.1	41	56	16	3.8	5.3
MIN	.14	.55	.40	.40	.50	1.3	1.3	4.3	13	4.1	.78	.44
AC-FT	40	48	31	25	70	80	154	1210	1870	508	111	63

CAL YR 1974 TOTAL 867.75 MEAN 2.38 MAX 23 MIN .01 AC-FT 1720
WTR YR 1975 TOTAL 2124.36 MEAN 5.82 MAX 56 MIN .14 AC-FT 4210

NOTE.--No gage-height record Dec. 7 - Apr. 22.

GREEN RIVER BASIN

09312800 Willow Creek near Castle Gate, Utah

LOCATION.--Lat 39°46'37", long 110°47'30", in SW¼ sec.15, T.12 S., R.10 E., Carbon County, on right bank 130 ft (40 m) upstream from Deep Canyon, 170 ft (52 m) east of State Highway 33, 1.5 miles (2.4 km) downstream from junction with two major tributaries, 5.1 miles (8.2 km) northeast of Castle Gate, 5.4 miles (8.7 km) upstream from mouth, and 12.3 miles (19.8 km) north of Price.

DRAINAGE AREA.--62 mi² (161 km²), approximately.

PERIOD OF RECORD.--October 1962 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 7,000 ft (2,134 m) from topographic map.

AVERAGE DISCHARGE.--13 years, 7.98 ft³/s (0.226 m³/s), 5,780 acre-ft/yr (7.13 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 115 ft³/s (3.26 m³/s) Apr. 22 (gage height, 2.82 ft or 0.860 m); maximum gage height, 3.44 ft (1.049 m) Mar. 8 (backwater from ice); minimum, no flow on many days in Dec., Jan.

Period of record: Maximum discharge, 836 ft³/s (23.7 m³/s) Aug. 6, 1973 (gage height, 6.47 ft or 1.972 m, from floodmarks); no flow on many days.

REMARKS.--Records fair, except winter period and period of no gage-height record, which are poor. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.16	1.7	.10	0	.10	.40	7.0	14	46	16	3.7	1.8
2	.16	1.7	.10	0	.10	.40	7.0	17	49	15	3.5	1.8
3	.23	1.2	.10	0	.10	.40	7.0	23	50	15	3.5	1.7
4	.42	1.0	.05	0	.10	.40	7.0	25	47	14	3.5	1.6
5	.26	.84	.05	0	.10	.50	7.0	23	43	14	3.5	1.6
6	.19	.84	.05	0	.10	.50	7.0	18	41	11	3.4	1.5
7	.19	.69	.05	0	.10	.60	7.0	16	44	9.9	3.3	1.5
8	.19	.84	.05	0	.10	.60	7.0	15	41	11	3.3	1.4
9	.19	.93	0	0	.10	.70	7.0	19	36	11	3.2	1.5
10	.23	.63	0	0	.10	.80	7.0	24	32	9.6	3.2	2.1
11	.26	.69	0	0	.10	.90	7.0	31	27	8.8	3.1	1.4
12	.26	.77	0	0	.20	.90	7.0	35	23	8.4	5.0	2.6
13	.23	.77	0	0	.20	1.0	7.0	33	21	8.4	4.1	2.1
14	.19	.77	0	0	.20	1.2	7.0	36	21	8.2	3.8	5.7
15	.16	.77	0	0	.20	1.4	7.0	38	21	8.4	3.2	4.0
16	.23	.69	0	.01	.20	1.4	7.0	45	19	9.4	3.1	2.8
17	.23	.77	0	0	.20	2.0	7.0	52	19	8.1	3.0	2.4
18	.26	.69	0	0	.20	3.0	7.0	52	23	6.2	2.7	2.1
19	.26	.84	0	0	.20	6.0	15	64	30	5.9	2.7	2.0
20	.26	.77	0	.05	.20	7.0	20	75	27	5.7	3.0	1.8
21	.28	.84	0	.05	.20	7.0	30	68	23	5.5	3.0	1.7
22	.47	1.0	0	.05	.20	7.0	45	55	22	4.9	3.1	1.7
23	2.4	.77	0	.05	.30	7.0	56	44	23	4.4	2.5	1.6
24	.84	.60	0	.10	.30	7.0	50	38	25	4.5	2.3	1.4
25	.63	.50	0	.20	.30	7.0	47	40	26	4.2	2.3	1.4
26	.63	.40	0	.10	.30	7.0	27	43	26	4.0	2.2	1.3
27	.57	.30	0	.10	.30	7.0	17	46	24	4.0	2.2	1.3
28	4.2	.20	0	.10	.30	7.0	15	45	21	3.9	2.3	1.3
29	4.5	.20	0	.10	---	7.0	12	45	19	4.0	2.0	1.3
30	2.0	.20	0	.10	---	7.0	13	41	18	7.1	1.9	1.2
31	1.7	---	0	.10	---	7.0	---	42	---	4.5	1.8	---
TOTAL	22.78	22.91	.55	1.11	5.10	107.10	473.0	1162	887	255.0	93.4	70.2
MEAN	.73	.76	.018	.036	.18	3.45	15.8	37.5	29.6	8.23	3.01	2.34
MAX	4.5	1.7	.10	.20	.30	7.0	56	75	50	16	5.0	1.4
MIN	.16	.20	0	0	.10	.40	7.0	14	18	3.9	1.8	1.2
AC-FT	45	45	1.1	2.2	10	212	938	2300	1760	506	185	139
CAL YR 1974	TOTAL	746.76	MEAN	2.05	MAX	9.6	MIN	0	AC-FT	1480		
WTR YR 1975	TOTAL	3100.15	MEAN	8.49	MAX	75	MIN	0	AC-FT	6150		

PEAK DISCHARGE (BASE, 100 CFS).--April 22 (1800) 115 cfs (2.82 ft.).

NOTE.--No gage-height record Nov. 23 - Apr. 22.

GREEN RIVER BASIN

103

09314250 Price River below Miller Creek near Wellington, Utah

LOCATION.--Lat 39°26'59", long 110°37'38", in SE¼NE¼ sec.12, T.16 S., R.11 E., Emery County, on left bank 100 ft (30 m) downstream from highway bridge, and 8.5 miles (13.7 km) southeast of Wellington.

DRAINAGE AREA.--890 mi² (2,305 km²), approximately.

PERIOD OF RECORD.--April 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage, 5,250 ft (1,600 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 2,880 ft³/s (81.6 m³/s) Sept. 11 (gage height, 9.97 ft or 3.039 m, from floodmark); minimum, 4.8 ft³/s (0.14 m³/s) Nov. 30.

Period of record: Maximum discharge, 2,880 ft³/s (81.6 m³/s) Sept. 11, 1975 (gage height, 9.97 ft or 3.039 m, from floodmark); minimum, 4.8 ft³/s (0.14 m³/s) Nov. 30, 1974.

REMARKS.--Records fair except those for winter period or period of no gage-height record, which are poor. Diversions for irrigation above station. Flow affected by storage in Scofield Reservoir.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	300	23	30	40	80	58	45	397	144	85	45
2	14	100	27	30	40	80	46	45	400	126	65	44
3	17	70	30	30	40	80	47	45	391	122	62	36
4	23	55	30	30	40	80	58	50	421	108	56	34
5	25	46	30	30	40	69	53	60	361	94	51	36
6	21	40	30	30	40	84	90	50	294	61	45	38
7	20	36	30	30	40	76	80	40	487	54	43	38
8	20	33	30	30	40	64	70	30	516	87	43	37
9	20	31	30	30	40	84	64	23	490	65	50	38
10	20	29	30	30	40	86	60	27	578	49	51	40
11	20	28	30	30	40	81	60	32	603	58	47	415
12	22	28	30	30	40	68	60	56	603	54	47	140
13	23	28	30	30	40	57	60	67	603	46	83	102
14	20	28	30	30	40	50	120	44	454	47	54	92
15	20	28	30	30	40	48	110	90	463	59	50	65
16	21	28	30	30	40	45	100	156	558	373	45	60
17	22	28	30	30	40	42	100	181	550	368	45	49
18	24	28	30	30	40	39	95	197	490	112	42	44
19	24	28	30	30	40	40	95	244	620	72	41	40
20	25	28	30	30	40	60	95	403	712	52	41	37
21	26	28	30	35	45	73	120	460	684	48	38	36
22	24	28	30	35	45	112	210	346	614	44	40	34
23	130	28	30	35	50	78	210	276	561	34	42	38
24	70	28	30	35	60	46	210	204	424	30	39	43
25	47	27	30	35	60	50	210	188	358	28	39	43
26	39	29	30	40	70	62	200	224	337	28	39	41
27	28	28	30	40	80	38	160	271	305	28	36	39
28	130	29	30	40	80	28	90	355	239	30	37	41
29	862	21	30	40	---	31	70	364	199	26	38	39
30	110	19	30	40	---	50	50	379	171	254	39	37
31	100	---	30	40	---	53	---	364	---	112	43	---
TOTAL	1981	1285	920	1015	1290	1934	3051	5316	13883	2813	1476	1821
MEAN	63.9	42.8	29.7	32.7	46.1	62.4	102	171	463	90.7	47.6	60.7
MAX	862	300	30	40	80	112	210	460	712	373	85	415
MIN	14	19	23	30	40	28	46	23	171	26	36	34
AC-FT	3930	2550	1820	2010	2560	3840	6050	10540	27540	5580	2930	3610

CAL YR 1974 TOTAL 15699 MEAN 43.0 MAX 862 MIN 13 AC-FT 31140
WTR YR 1975 TOTAL 36785 MEAN 101 MAX 862 MIN 14 AC-FT 72960

NOTE.--No gage-height record Apr. 6 to May 7.

GREEN RIVER BASIN

09314280 Desert Seep Wash near Wellington, Utah

LOCATION.--Lat 39°25'16", long 110°38'44", in SW¼NW¼ sec.24, T.16 S., R.11 E., Emery County on the left bank 2,000 ft (610 m) above the mouth, and 9.5 miles (15.3 km) southeast of Wellington.

DRAINAGE AREA.--191 mi² (495 km²), approximately.

PERIOD OF RECORD.--May 1971 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,235 ft (1,595 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 990 ft³/s (28.0 m³/s) July 16 (gage height, 5.55 ft or 1.692 m) from rating curve extended above 70 ft³/s (1.98 m³/s) on basis of runoff comparisons with nearby stations; minimum, 3.3 ft³/s (0.09 m³/s) Feb. 22.

Period of record: Maximum discharge, 1,840 ft³/s (52.1 m³/s) Oct. 18, 1972 (gage height, 6.60 ft or 2.012 m, from floodmarks) from rating curve extended above 50 ft³/s (1.42 m³/s) on basis of runoff comparisons with nearby stations; minimum, 0.50 ft³/s (0.014 m³/s) Aug. 23, 1972.

REMARKS.--Records good except for winter period, which are fair. Diversions above station for irrigation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	80	17	8.0	5.1	15	20	13	36	62	49	35
2	18	70	15	8.3	5.0	24	20	14	38	62	46	41
3	15	50	15	8.2	5.0	31	15	19	40	54	36	43
4	14	40	15	8.0	5.0	31	13	32	40	44	30	33
5	19	35	15	8.0	5.0	32	13	21	43	45	24	27
6	21	30	12	7.5	5.0	32	13	21	40	46	23	27
7	19	28	12	7.5	5.0	34	14	30	34	53	21	32
8	17	28	12	7.5	5.3	39	14	27	45	52	21	33
9	16	28	12	7.5	5.0	40	16	20	56	52	21	39
10	11	25	10	7.6	5.0	33	14	20	56	49	25	50
11	10	23	10	7.0	5.0	43	13	29	60	60	24	44
12	12	23	10	7.0	5.0	41	13	36	50	58	26	72
13	14	23	10	6.0	5.0	43	13	44	40	57	33	71
14	25	23	11	6.0	5.0	40	13	32	33	63	37	70
15	21	23	11	6.0	5.0	35	11	27	37	116	42	74
16	19	23	10	5.0	5.0	35	7.9	30	33	372	47	69
17	19	23	10	5.0	5.0	35	16	31	30	248	46	74
18	19	23	10	5.0	5.0	30	15	47	35	153	44	72
19	19	23	10	5.0	5.0	30	11	28	78	129	39	62
20	18	23	10	5.0	5.0	20	11	34	66	124	44	58
21	18	23	9.0	5.0	5.4	10	16	31	88	106	47	57
22	39	23	9.0	5.0	5.6	10	21	23	81	80	44	58
23	139	23	9.0	5.0	6.2	10	40	22	70	72	42	53
24	68	23	9.2	5.0	6.8	15	29	18	58	56	42	45
25	43	21	9.0	5.0	7.3	15	27	15	47	34	41	45
26	51	24	9.0	5.0	7.9	15	20	14	64	26	41	46
27	38	22	9.0	5.0	9.4	25	15	21	82	23	44	44
28	48	24	9.0	5.0	11	25	11	30	88	22	43	45
29	212	22	9.2	5.0	---	25	17	40	70	19	39	54
30	90	22	9.0	5.0	---	20	17	41	62	62	36	56
31	30	---	9.0	5.0	---	20	---	35	---	71	32	---
TOTAL	1118	871	336.4	190.1	160.0	853	488.9	845	1600	2470	1129	1529
MEAN	36.1	29.0	10.9	6.13	5.71	27.5	16.3	27.3	53.3	79.7	36.4	51.0
MAX	212	80	17	8.3	11	43	40	47	88	372	49	74
MIN	10	21	9.0	5.0	5.0	10	7.9	13	30	19	21	27
AC-FT	2220	1730	667	377	317	1690	970	1680	3170	4900	2240	3030
CAL YR 1974	TOTAL	6258.8	MEAN	17.1	MAX	212	MIN	6.5	AC-FT	12410		
WTR YR 1975	TOTAL	11590.4	MEAN	31.8	MAX	372	MIN	5.0	AC-FT	22990		

GREEN RIVER BASIN

105

09314500 Price River at Woodside, Utah

LOCATION.--Lat 39°15'50", long 110°20'45", in SW¼SE¼SE¼ sec.9, T.18 S., R.14 E., Emery County, on left downstream wing wall of old highway bridge, 200 ft (61 m) downstream from railroad bridge at Woodside, and 16.3 miles (26.2 km) upstream from mouth.

DRAINAGE AREA.--1,500 mi² (3,880 km²), approximately.

PERIOD OF RECORD.--September 1909 to December 1910, January to August 1911 (gage heights only), November 1945 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,600 ft (1,400 m) by barometer. September 1909 to August 1911, reference point at site about 100 ft (30 m) upstream at different datum. Nov. 27, 1945, to Oct. 16, 1954, water-stage recorder at site 15 ft (4.6 m) downstream at datum 1.85 ft (0.564 m) higher.

AVERAGE DISCHARGE.--29 years, 103 ft³/s (2.917 m³/s), 74,620 acre-ft/yr (92.0 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 3,780 ft³/s (107.0 m³/s) July 16 (gage height 6.77 ft or 2.063 m); minimum discharge, 17 ft³/s (0.48 m³/s) Oct. 1, 2.

Period of record: Maximum discharge, 8,500 ft³/s (241 m³/s) Sept. 10, 1961 (gage height, 9.74 ft or 2.969 m), from rating curve extended above 6,300 ft³/s (178 m³/s); no flow for several days in 1960, 1961, and part of July 8, 1963.

REMARKS.--Records good, except for winter period, which are poor. Diversions above station for irrigation of about 18,000 acres (72.8 km²). Flow affected by storage in Scofield Reservoir, usable capacity 65,780 acre-ft (81.1 hm³), since 1926 (see station 09311000). Records of chemical analysis and water temperatures for the water year 1975 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	112	42	40	50	100	88	81	374	269	147	72
2	19	418	42	40	50	100	84	68	398	226	111	75
3	23	170	50	40	50	100	72	68	390	154	91	78
4	25	96	50	40	50	100	74	69	418	137	82	74
5	30	77	50	40	50	100	78	88	414	123	73	68
6	36	63	42	40	50	100	80	104	346	123	66	66
7	35	57	47	40	50	100	110	92	386	103	61	67
8	33	54	47	40	50	100	99	76	494	97	58	70
9	31	52	45	40	50	110	87	69	553	114	58	72
10	30	55	40	40	50	121	80	60	571	115	63	89
11	31	45	40	40	50	118	77	60	641	200	66	466
12	32	47	40	40	50	118	78	69	646	111	65	294
13	27	43	42	40	50	107	83	100	625	149	68	171
14	29	44	39	40	50	98	106	110	548	158	109	159
15	38	45	37	40	50	90	139	87	458	134	95	137
16	36	45	40	40	50	88	122	122	482	994	82	130
17	35	45	40	40	50	88	131	175	522	1730	80	121
18	35	45	40	40	50	81	123	182	517	405	79	114
19	36	45	40	40	50	76	116	223	548	239	75	103
20	35	47	40	40	50	74	114	232	712	192	73	93
21	34	44	40	45	60	89	131	402	680	176	75	88
22	35	44	40	45	60	109	233	350	768	156	76	88
23	169	45	40	45	70	112	239	277	625	132	76	88
24	208	47	40	45	81	92	228	244	543	118	74	87
25	116	43	40	45	80	75	235	200	447	102	71	85
26	80	43	37	50	90	82	224	200	394	84	72	84
27	76	45	40	50	100	91	182	238	359	75	75	83
28	74	45	40	50	100	73	143	309	347	70	74	81
29	1080	45	40	50	---	61	108	330	289	92	74	84
30	330	45	40	50	---	63	97	370	277	140	74	88
31	124	---	40	50	---	79	---	362	---	379	71	---
TOTAL	2941	2051	1290	1325	1641	2895	3761	5417	14772	7297	2414	3375
MEAN	94.9	68.4	41.6	42.7	58.6	93.4	125	175	492	235	77.9	113
MAX	1080	418	50	50	100	121	239	402	768	1730	147	466
MIN	19	43	37	40	50	61	72	60	277	70	58	66
AC-FT	5830	4070	2560	2630	3250	5740	7460	10740	29300	14470	4790	6690
CAL YR 1974 TOTAL	20302			MEAN 55.6	MAX 1080	MIN 11	AC-FT 40270					
WTR YR 1975 TOTAL	49179			MEAN 135	MAX 1730	MIN 19	AC-FT 97550					

PEAK DISCHARGE (BASE, 2,000 CFS). --July 16 (2200) 3,780 cfs (6.77 ft).

09315000 Green River at Green River, Utah

LOCATION.--Lat 38°59'10", long 110°09'02", in NW¼NW¼SW¼ sec.15, T.21 S., R.16 E., Emery County, on right bank 100 ft (30 m) upstream from site of old highway bridge, 500 ft (152 m) upstream from railroad bridge, 1.1 mile (1.8 km) southeast of town of Green River, 22.5 miles (36.2 km) upstream from San Rafael River, at mile 117.4 (188.9 km) upstream from mouth.

DRAINAGE AREA.--40,600 mi² (105,200 km²), approximately.

PERIOD OF RECORD.--October 1894 to October 1899, October 1904 to current year. Published as "at Blake" 1894-99, as "near Elgin" 1911, and as "at Little Valley, near Green River" 1910-23.

GAGE.--Water-stage recorder. Datum of gage is 4,040.18 ft (1,231.447 m) above mean sea level. Prior to Nov. 6, 1914, staff, wire-weight, or chain gages at several sites within 7 miles (11 km) of present site at various datums. Nov. 6, 1914 to June 20, 1924, water-stage recorder at site 7 miles (11 km) downstream at different datum. June 21 to Sept. 18, 1924, chain gage and Sept. 19, 1924, to May 7, 1947, water-stage recorder, at site 100 ft (30 m) downstream at present datum.

AVERAGE DISCHARGE.--76 years, 6,366 ft³/s (180.3 m³/s) 4,612,000 acre-ft/yr (5.69 km³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 28,600 ft³/s (810 m³/s) June 12 (gage height, 11.96 ft or 3.645 m); minimum discharge, 1,310 ft³/s (37.1 m³/s) Dec. 28 (gage height, 5.68 ft or 1.731 m).

Period of record: Maximum discharge, 68,100 ft³/s (1,930 m³/s) June 27, 1917 (gage height, 14.53 ft or 4.429 m, site and datum then in use); minimum, 255 ft³/s (7.22 m³/s) Nov. 26, 1931; minimum gage height, 4.08 ft (1.244 m) Aug. 1, Dec. 5, 1934.

REMARKS.--Records good. Diversions for irrigation above station. Flow regulated by Flaming Gorge Reservoir (see station 09234400) since Nov. 1, 1962. Records of chemical analysis, water temperatures, and suspended-sediment loads for the water year 1974 will be published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 918: 1895-1900.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1880	4570	3530	3840	3750	4670	2820	7920	17300	19400	7400	3130
2	1900	4840	3030	4450	4120	4630	3240	7520	16700	20000	7360	3070
3	2110	5030	2930	4290	4300	5190	3070	5960	14600	20400	7080	3520
4	2920	4860	3370	4140	4300	5470	2840	4990	15000	20600	6960	3460
5	3290	5110	3250	4530	4300	4340	2810	4540	16600	20400	6840	3340
6	3050	4800	3310	4750	3830	3820	2980	4300	19200	21000	6700	2980
7	3000	4050	3410	4590	3190	3520	3000	4240	21000	20800	6400	3280
8	3370	4100	3650	4500	3790	4120	3270	4420	23000	20600	6160	2800
9	3510	4250	3700	4500	4450	4300	3170	5110	24600	20200	5920	2890
10	3370	4030	3760	4400	4540	4580	3160	6200	26200	19600	5800	2950
11	3180	4270	3610	4300	4750	4770	3160	6120	27900	18400	5680	2240
12	3620	4090	3210	4300	4720	4350	3350	5880	27200	17400	5530	2830
13	3650	4040	2900	4300	4480	4160	3720	5380	23000	17000	5470	2860
14	3630	3850	3190	4300	3580	4390	3390	4750	19400	16100	5380	3730
15	3600	3660	3040	4240	4120	4440	3160	4930	18200	14400	5290	3550
16	3620	3700	3460	4250	4600	4230	2990	6200	20400	13400	4690	3400
17	3600	3620	3460	4200	4930	4250	2780	8320	23400	14000	4480	3130
18	3570	3670	3600	4200	5740	4210	2910	8900	26300	14000	4720	2830
19	3550	3560	3460	4200	5510	4100	3800	11600	27200	13000	4720	2890
20	4160	3570	3480	4200	5170	3750	4370	15000	26900	12000	4660	2590
21	4250	3350	4130	4100	5320	3580	4290	19300	24300	11000	4690	2340
22	4540	3350	4300	4000	5550	3910	4570	21700	22800	10800	4690	2330
23	4210	3580	4190	3700	5750	4050	4750	22400	20600	10500	4720	2340
24	4050	3770	3470	3200	5530	4120	4210	21500	17500	9700	4390	2350
25	4110	3740	3130	3700	5330	3750	3910	20600	17200	9200	3670	2270
26	4550	3400	1990	4200	5050	3480	4270	17500	18600	8720	3790	2250
27	4570	3260	1640	4300	4830	3220	4570	14700	19000	8240	3910	2450
28	4490	3020	1540	4300	4780	3120	5560	13700	19000	8120	3700	2550
29	5720	2690	3690	4000	---	3230	6120	14700	19400	8160	3250	2920
30	5680	3650	4860	3760	---	3130	6800	15000	19200	8000	3220	2890
31	4570	---	2970	3220	---	2860	---	15400	---	7880	3100	---
TOTAL	115320	117480	103260	128960	130310	125740	113040	328780	631700	453020	160370	86160
MEAN	3720	3916	3331	4160	4654	4056	3768	10610	21060	14610	5173	2872
MAX	5720	5110	4860	4750	5750	5470	6800	22400	27900	21000	7400	3730
MIN	1880	2690	1540	3200	3190	2860	2780	4240	14600	7880	3100	2240
AC-FT	228700	233000	204800	255800	258500	249400	224200	652100	1253000	898600	318100	170900
CAL YR 1974	TOTAL	2223240	MEAN	6091	MAX	26800	MIN	1540	AC-FT	4410000		
WTR YR 1975	TOTAL	2494140	MEAN	6833	MAX	27900	MIN	1540	AC-FT	4947000		

PEAK DISCHARGE (BASE, 17,000 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-22	1800	11.05	23,400	6-12	0100	11.96	28,600
6-1	1700	9.99	18,200	6-19	0200	11.75	27,300

GREEN RIVER BASIN

107

09319000 Ephraim tunnel near Ephraim, Utah
(Transmountain diversion)

LOCATION.--Lat 39°19'47", long 111°25'51", in SE¼SE¼SE¼ sec.14, T.17 S., R.4 E., Sanpete County, at east tunnel portal, 9.0 miles (14.5 km) east of Ephraim.

PERIOD OF RECORD.--September 1949 to current year. Monthly discharge only for September 1949 to September 1960; figures of daily discharge available in Salt Lake City District Office, Geological Survey. Seasonal records only since October 1971.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 9,694.9 ft (2,955.006 m) above mean sea level. (Levels by U.S. Geological Survey, Topographic Division.)

EXTREMES.--Current year: Maximum discharge, 100 ft³/s (2.83 m³/s) June 30 (gage height, 4.00 ft or 1.219 m); minimum, no flow some days.

Period of record: Maximum discharge, 142 ft³/s (4.02 m³/s) June 6, 1964 (gage height, 5.43 ft or 1.655 m); no flow at times in some years.

REMARKS.--Records good. Flow is seasonal. Tunnel diverts from Cottonwood Creek drainage in Colorado River basin to San Pitch River in The Great Basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	3.9	76	4.8	1.5
2								---	40	72	4.5	1.5
3								---	59	69	4.4	1.4
4								---	64	61	4.2	1.3
5								---	68	56	4.1	1.3
6								---	76	59	4.1	1.2
7								---	81	51	4.0	1.2
8								0	77	52	3.7	1.1
9								0	60	45	3.4	1.1
10								0	46	33	3.3	1.1
11								0	52	34	3.3	1.2
12								0	63	29	3.1	1.1
13								0	79	22	3.0	1.1
14								0	72	21	2.8	1.1
15								0	52	20	2.6	.88
16								0	48	20	2.5	.66
17								0	41	17	2.5	.50
18								0	28	13	2.5	.35
19								.55	15	11	2.5	.39
20								1.2	12	9.9	2.5	.39
21								1.3	12	8.7	2.6	.24
22								1.3	12	8.2	2.5	.45
23								1.2	19	7.6	2.3	.45
24								1.3	30	7.3	2.3	.60
25								1.9	27	6.5	2.2	.55
26								2.2	22	6.2	1.9	.50
27								2.5	26	5.9	1.8	.42
28								2.5	28	5.9	1.7	.35
29								2.6	28	5.5	1.7	.39
30								2.6	58	5.4	1.6	.35
31								3.0	---	5.1	1.5	---
TOTAL									1298.9	843.2	89.9	24.67
MEAN									43.3	27.2	2.90	.82
MAX									81	76	4.8	1.5
MIN									3.9	5.1	1.5	.24
AC-FT									2580	1670	178	49

GREEN RIVER BASIN

09323000 Spring City tunnel near Spring City, Utah
(Transmountain diversion)

LOCATION.--Lat 39°25'34", long 111°21'51", in NW¼SW¼SE¼ sec.16, T.16 S., R.5 E., Sanpete County, at west portal of tunnel, 11 miles (18 km) east of Spring City.

PERIOD OF RECORD.--October 1949 to current year. Monthly discharges only for October 1949 to September 1960; figures of daily discharge available in Salt Lake City District office, Geological Survey. Seasonal records only since October 1971.

GAGE.--Water-stage recorder. Datum of gage is 9,838 ft (2,999 m) above mean sea level (by plane table closed traverse by U.S. Geological Survey, Topographic Division). Prior to Aug. 24, 1960, at datum about 0.3 ft (0.09 m) higher.

EXTREMES.--Current year: Maximum discharge, 65 ft³/s (1.84 m³/s) June 14 (gage height, 1.61 ft or 0.491 m); no flow at times.
Period of record: Maximum discharge, 111 ft³/s (3.14 m³/s) July 23, 1965; no flow at times in most years.

REMARKS.--Records good. Tunnel diverts from Cottonwood Creek drainage in Colorado River basin to San Pitch River in the Great Basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.55							---	6.6	4.9	5.8	2.0
2	.54							---	7.6	4.8	5.4	2.0
3	---							---	7.2	3.9	5.1	2.0
4	1.3							---	8.2	3.1	4.8	2.0
5	1.1							---	8.8	2.7	4.6	1.8
6	.61							---	10	2.6	4.4	1.8
7	.55							---	10	2.2	4.2	1.8
8	.55							0	13	1.9	4.3	1.8
9	.55							0	12	1.8	4.0	1.8
10	.55							0	9.8	1.8	3.8	1.9
11	---							0	10	1.7	3.8	1.9
12	---							0	15	1.5	3.7	1.8
13	---							0	24	1.5	3.6	2.4
14	---							0	39	1.5	3.5	1.9
15	---							0	29	1.5	3.3	1.8
16	---							0	8.5	1.4	3.2	1.8
17	---							0	7.6	1.3	3.1	1.8
18	---							0	6.6	5.1	3.0	1.6
19	---							1.5	5.7	11	2.8	1.5
20	---							3.6	5.5	10	2.9	1.5
21	---							3.6	4.9	9.9	3.1	1.5
22	---							3.1	4.9	9.4	2.8	1.5
23	---							2.8	4.9	8.9	2.8	1.4
24	---							2.8	5.2	8.2	2.6	1.4
25	---							3.3	4.9	7.6	2.6	1.4
26	---							3.8	4.9	7.1	2.2	1.3
27	---							4.1	4.9	7.0	2.2	1.2
28	---							3.3	4.9	6.7	2.2	1.2
29	---							3.3	4.9	6.5	2.2	1.2
30	---							3.3	4.9	6.1	2.1	1.2
31	---							5.7	---	6.2	2.0	---
TOTAL									293.4	149.8	106.1	50.2
MEAN									9.78	4.83	3.42	1.67
MAX									39	11	5.8	2.4
MIN									4.9	1.3	2.0	1.2
AC-FT									582	297	210	100

09323900 Joes Valley Reservoir near Orangeville, Utah

LOCATION.--Lat 39°17'20", long 111°16'10", in NW¼NE¼ sec.5, T.18 S., R.6 E., Emery County, on Seeley Creek 5.2 miles (8.4 km) upstream from Cottonwood Creek, and 12.6 miles (20.3 km) west of Orangeville.

DRAINAGE AREA.--145 mi² (376 km²), approximately.

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

GAGE.--Mercury gage in control house at downstream end of outlet tunnel. Datum of gage is at mean sea level (level by Bureau of Reclamation).

EXTREMES.--Current year: Maximum contents observed, 64,950 acre-ft (80.1 hm³) June 19 (elevation, 6,991.8 ft or 2,131.10 m); minimum observed, 39,730 acre-ft (49.0 hm³) Oct. 29.

Period of record: Maximum contents observed, 64,950 acre-ft (80.1 hm³) June 19, 1975; minimum observed since reservoir was first filled, 7,710 acre-ft (9.5 hm³) Oct. 1, 1966.

REMARKS.--Reservoir is formed by earthfill rock-faced dam. Storage began Nov. 3, 1965. Usable capacity, 54,610 acre-ft (67.3 hm³) between elevations 6,910.0 and 6,989.7 ft (2,106.17 and 2,130.46 m) above mean sea level. Dead storage, 870 acre-ft (1.1 hm³) between elevations 6,817.0 and 6,866.5 ft (2,077.82 and 2,092.91 m). Inactive storage, 6,980 acre-ft (8.6 hm³) between elevations 6,866.5 and 6,910.0 ft (2,092.91 and 2,106.17 m). Figures given herein represent total contents. Water is used for irrigation. Huntington North Reservoir, a small off-channel reservoir near Huntington, is operated in conjunction with Joes Valley Reservoir; records not included.

COOPERATION.--Records furnished by Bureau of Reclamation.

Capacity Table (elevation, in feet, and contents, in acre-feet)

6,967	39,390		
6,970	42,010	6,990	62,810
6,975	46,660	6,992	65,190
6,980	51,700		

CONTENTS, IN ACRE-Feet, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	39910	---	---	---	---	---	---	---	---	---	---
2	---	---	40860	---	---	---	---	44850	45510	---	---	54890
3	---	---	---	41390	42460	43460	---	---	46280	64710	---	---
4	42550	39990	---	---	---	---	44380	---	---	---	61530	---
5	---	---	---	---	---	---	---	44760	---	---	---	54350
6	---	---	41040	41650	---	---	---	---	49540	---	---	---
7	42010	---	---	---	42550	43640	44470	---	---	64590	---	---
8	---	---	---	---	---	---	---	---	---	---	58890	53920
9	---	40160	41040	---	---	---	---	44200	53920	---	---	---
10	---	---	---	41830	42730	43730	---	---	---	---	---	---
11	41390	40250	---	---	---	---	44570	---	---	64230	58440	---
12	---	---	---	---	---	---	---	43820	---	---	---	53170
13	---	---	---	41830	---	---	---	43820	57650	---	---	---
14	---	---	---	---	42820	43820	44570	---	---	63990	---	---
15	40690	40340	---	---	---	---	---	---	---	---	58330	52640
16	---	---	41300	---	---	---	---	43180	63170	---	---	---
17	---	---	---	42010	---	43820	44660	---	63990	---	---	---
18	40340	40340	---	---	42910	---	---	---	64710	63760	57540	---
19	---	---	---	---	---	---	---	43730	64950	---	---	52010
20	---	---	41390	42100	---	---	---	44100	64830	---	---	---
21	40080	---	---	---	43000	44100	44760	---	---	63640	---	---
22	---	40420	---	---	---	---	44940	---	---	---	56650	51590
23	---	---	41390	---	---	---	44940	44570	64350	---	---	---
24	---	---	---	42280	43090	44100	44940	---	64470	---	---	---
25	39820	40860	---	---	---	---	---	---	64710	63400	56100	---
26	---	---	---	---	---	---	---	---	---	---	---	51280
27	---	---	41300	42370	---	---	---	44570	64590	---	---	---
28	---	---	---	---	43180	44100	45130	---	---	63280	---	---
29	39730	40860	---	---	---	---	---	---	---	63170	55440	50870
30	---	40860	41390	---	---	---	44990	44660	64710	62930	---	50730
31	39850	---	41390	42370	---	44290	---	44940	---	62700	55160	---
(†)	---	---	---	6,970.4	6,971.3	6,972.5	---	---	6,991.6	6,989.9	---	---
(‡)	-3,240	+1,010	+530	+980	+810	+1,110	+700	-50	+19,770	-2,010	-7,540	-4,430

CAL YR 1974. \$ -2,890
WTR YR 1975. \$ +7,640

† Elevation, in feet, at end of month

‡ Change in contents, in acre-feet.

a No gage-height reading; contents interpolated

09326500 Ferron Creek (upper station) near Ferron, Utah

LOCATION.--Lat 39°06'15", long 111°12'47", in SW¼SE¼ sec.2, T.20 S., R.6 E., Emery County, on right bank 1.8 miles (2.9 km) upstream from Dry Wash and 4.5 miles (7.2 km) west of Ferron.

DRAINAGE AREA.--138 mi² (357 km²).

PERIOD OF RECORD.--May 1911 to September 1923, October 1947 to current year. Monthly discharge only for some periods, published in WSP 1313. Records for station at site 2 miles (3 km) downstream published as Ferron Creek near Ferron, April 1909 to October 1911, not equivalent because of diversions 1.5 miles (2.4 km) downstream from present site.

GAGE.--Water-stage recorder. Altitude of gage is 6,210 ft (1,893 m) from topographic map. May 6, 1911 to Sept. 30, 1923, nonrecording gages in vicinity of present site at different datums. Dec. 19, 1947 to Sept. 30, 1966, at site 1.5 miles (2.4 km) downstream at different datum.

AVERAGE DISCHARGE.--40 years, 67.6 ft³/s (1,914 m³/s), 48,980 acre-ft/yr (60.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,060 ft³/s (30.0 m³/s) June 6 (gage height, 5.00 ft or 1.524 m); minimum daily, 6.7 ft³/s (0.19 m³/s) Jan. 29.

Period of record: Maximum discharge observed, 4,180 ft³/s (118 m³/s) Aug. 27, 1952 (gage height, 9.71 ft or 2.960 m, site and datum then in use), from rating table extended above 400 ft³/s (11.3 m³/s) on basis of slope-area measurements at gage heights 8.70 ft (2.652 m) and 9.71 ft (2.960 m), site and datum then in use; minimum observed, 1 ft³/s (0.028 m³/s) Mar. 22, 23, 1912, Mar. 11, Nov. 18, 1959, site then in use.

REMARKS.--Records good except those for winter period, which are poor. Slight regulation by small reservoir above station (capacity not known). Small diversions above station for irrigation, including a transmountain diversion to tributary of San Pitch River (Sevier Lake basin). Greater part of flow diverted during irrigation season by Upper North and Upper South Canals, 1.5 miles (2.4 km) below station.

REVISIONS (WATER YEARS).--WSP 1243: 1951(P). WSP 1313: 1920(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	16	8.0	10	9.0	10	10	18	425	388	79	31
2	14	19	8.0	10	9.0	10	10	19	493	324	74	31
3	15	16	8.0	10	9.0	10	11	19	478	317	69	30
4	19	16	8.0	10	9.0	10	12	16	532	323	65	30
5	15	15	8.0	10	9.0	10	14	13	585	304	65	29
6	14	15	9.0	10	9.0	10	14	13	651	301	63	29
7	14	12	9.0	9.0	9.0	9.0	11	19	710	284	63	28
8	14	15	9.0	9.0	9.0	9.0	11	26	764	274	62	29
9	14	15	9.0	9.0	9.0	9.0	11	45	625	274	61	30
10	14	13	9.0	9.0	9.0	9.0	11	59	489	265	60	32
11	14	14	10	9.0	7.0	9.0	13	77	478	233	60	36
12	14	14	10	9.0	7.0	9.0	14	84	506	227	60	29
13	14	14	10	9.0	7.0	9.0	14	79	602	213	58	39
14	14	14	10	9.0	7.0	9.0	17	107	710	215	57	32
15	14	14	10	9.0	7.0	9.0	14	158	746	210	55	28
16	14	10	11	8.0	7.0	9.0	16	181	711	219	55	27
17	13	11	11	8.0	7.0	9.0	17	191	661	184	54	26
18	13	11	11	8.0	7.0	9.0	13	224	586	167	53	25
19	13	8.0	11	8.0	8.0	12	13	258	526	157	52	24
20	13	7.0	11	8.0	8.0	17	19	391	488	146	53	23
21	13	9.0	11	8.0	7.0	15	29	261	428	139	55	22
22	13	9.0	11	8.0	7.0	12	36	185	371	131	56	23
23	21	9.0	11	7.0	10	10	30	154	431	124	49	22
24	18	9.0	11	7.0	9.0	10	33	158	463	119	44	22
25	15	9.0	11	7.0	9.0	10	31	241	436	115	42	21
26	14	8.6	11	7.0	10	10	19	260	393	109	39	21
27	17	8.0	11	7.0	10	8.0	15	331	402	104	38	20
28	17	8.0	11	7.0	10	12	15	288	415	103	37	19
29	22	8.0	10	6.7	---	14	13	271	397	97	35	20
30	16	8.0	10	10	---	12	14	271	390	95	33	19
31	16	---	10	9.0	---	10	---	398	---	89	32	---
TOTAL	465	354.6	308.0	264.7	234.0	320.0	500	4815	15892	6250	1678	797
MEAN	15.0	11.8	9.94	8.54	8.36	10.3	16.7	155	530	202	54.1	26.6
MAX	22	19	11	10	10	17	36	398	764	388	79	39
MIN	13	7.0	8.0	6.7	7.0	8.0	10	13	371	89	32	19
AC-FT	922	703	611	525	464	635	992	9550	31520	12400	3330	1580

CAL YR 1974 TOTAL 19569.6 MEAN 53.6 MAX 451 MIN 7.0 AC-FT 38820
WTR YR 1975 TOTAL 31878.3 MEAN 87.3 MAX 764 MIN 6.7 AC-FT 63230

PEAK DISCHARGE (BASE, 600 CFS).--June 6 (about 2200) 1,060 cfs (5.00 ft); June 14 (2000) 870 cfs (4.54 ft.)

GREEN RIVER BASIN

111

09328000 San Rafael River near Castle Dale, Utah

LOCATION.--Lat 39°08'37", long 111°53'50", in SE¼NW¼ sec. 27, T.19 S., R.9 E., Emery County, on left bank 1.7 mile (2.7 km) downstream from Ferron Creek and 8.3 miles (13.4 km) southeast of Castle Dale.

DRAINAGE AREA.--930 mi² (241 km²), approximately.

PERIOD OF RECORD.--October 1947 to September 1964, August 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,320 ft (1,620 m) from topographic map. Prior to July 11, 1956, at site 0.7 mile (1.1 km) upstream at different datum. July 11, 1956 to September 30, 1964, at site 0.6 mile (1.0 km) upstream at different datum.

AVERAGE DISCHARGE.--20 years (1947-64, 1972-75) 113 ft³/s (3,200 m³/s), 81,870 acre-ft/yr (101 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,660 ft³/s (47.0 m³/s) June 19 (gage height, 5.80 ft or 1.768 m); minimum not determined, occurred during period of no gage height record.

Period of record: Maximum discharge, 4,510 ft³/s (128 m³/s) June 3, 1952 (gage height, 7.56 ft or 2.304 m), site and datum then in use); minimum recorded, 1.3 ft³/s (0.036 m³/s) Sept. 4, 6, 1956.

REMARKS.--Records fair. Diversions for irrigation above station, including transmountain diversions to Sevier Lake basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	77	28	23	34	49	38	26	90	830	103	87
2	47	180	28	23	34	51	30	30	90	793	91	87
3	45	145	28	23	34	53	30	33	107	813	90	84
4	58	88	28	23	34	54	31	32	133	822	90	85
5	67	77	28	20	36	55	30	38	127	773	90	82
6	63	71	28	18	38	56	38	43	127	710	85	85
7	60	63	28	18	38	57	35	39	130	703	79	85
8	55	61	28	18	38	57	31	37	157	651	75	91
9	56	63	28	18	38	57	30	36	163	663	76	103
10	61	60	28	18	38	55	31	34	135	640	87	116
11	62	57	28	18	38	57	31	36	136	549	99	119
12	61	59	28	18	38	60	36	29	161	489	107	135
13	61	61	28	18	39	48	35	37	162	455	130	170
14	61	63	28	18	42	46	31	37	177	405	134	140
15	62	66	28	18	42	49	31	33	237	344	97	136
16	57	62	28	18	42	45	33	30	299	603	89	122
17	55	59	28	23	42	42	33	30	561	480	92	118
18	52	59	28	24	42	39	32	36	1050	314	91	103
19	54	61	28	24	42	36	27	42	1470	281	84	94
20	55	59	28	24	42	39	28	50	1180	251	91	95
21	55	58	28	24	42	40	31	90	982	225	108	92
22	55	61	28	24	42	37	40	80	965	188	111	94
23	140	57	28	25	42	34	37	70	801	156	105	95
24	96	51	28	29	42	32	34	57	809	164	92	90
25	83	46	28	29	42	34	40	50	906	146	94	87
26	72	45	28	29	43	43	34	50	900	109	89	88
27	77	44	25	29	45	36	31	60	848	102	88	85
28	86	43	23	29	47	34	25	70	851	98	97	89
29	180	43	23	29	---	34	28	90	892	111	89	101
30	130	35	23	34	---	36	30	90	879	114	92	98
31	86	---	23	34	---	37	---	90	---	113	87	---
TOTAL	2201	1974	845	720	1116	1402	971	1505	15525	13095	2932	3056
MEAN	71.0	65.8	27.3	23.2	39.9	45.2	32.4	48.5	518	422	94.6	102
MAX	180	180	28	34	47	60	40	90	1470	830	134	170
MIN	45	35	23	18	34	32	25	26	90	98	75	82
AC-FT	4370	3920	1680	1430	2210	2780	1930	2990	30790	25970	5820	6060
CAL YR 1974 TOTAL	21152											
WTR YR 1975 TOTAL	45342											
MEAN	58.0											
MAX	333											
MIN	23											
AC-FT	41950											
WTR YR 1975 AC-FT	89940											

PEAK DISCHARGE (BASE, 1,000 CFS).--June 19 (0200) 1,660 cfs (5.80 ft)

GREEN RIVER BASIN

09328500 San Rafael River near Green River, Utah

LOCATION.--Lat 38°52'20", long 110°22'20", in NW¼NE¼SW¼ sec.27, T.22 S., R.14 E., Emery County, on left bank 10 ft (3 m) upstream from bridge on State Highway 24, 14.0 miles (22.5 km) southwest of Green River, and 35.3 miles (56.8 km) upstream from mouth.

DRAINAGE AREA.--1,670 mi² (4,330 km²), approximately.

RECORDS AVAILABLE.--May 1909 to September 1918, September 1919 to July 1920 (gage heights only), October 1945 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,200 ft (1,280 m) by barometer. May 5, 1909 to Sept. 10, 1918, staff gage and Sept. 10, 1919 to July 10, 1920, tape-weight gage, at approximately present site at different datum. Nov. 29, 1945 to Sept. 9, 1947, water-stage recorder at site 400 ft (122 m) downstream at different datum, Sept. 10, 1947 to Apr. 16, 1950, at site 50 ft (15 m) downstream at different datum, Apr. 17, 1950 to June 21, 1954, at present site at datum 6.35 ft (1.935 m) higher, June 22, 1954 to Sept. 30, 1955, at present site at datum 5.35 ft (1.631 m) higher, Oct. 1, 1955 to Feb. 14, 1958, at present site at datum 4.35 ft (1.326 m) higher, Feb. 15, 1958 to Sept. 19, 1962, at present site at datum 1.35 ft (0.411 m) higher, Sept. 1962 to July 1968, at present site at datum 0.95 ft (0.290 m) lower, and July 1968 to March 1970 at present site at datum 0.55 ft (0.168 m) lower.

AVERAGE DISCHARGE.--39 years (1909-18, 1945-75), 155 ft³/s (4.390 m³/s), 112,300 acre-ft/yr (138 hm³/yr).

EXTREMES.--Current year: Maximum discharge 1,380 ft³/s (39.1 m³/s) about June 20 (gage height, 10.64 ft or 3.243 m); minimum daily, 20 ft³/s (0.57 m³/s) many days in Jan.

Period of record: Maximum discharge, 12,000 ft³/s (340 m³/s) Sept. 2, 1909 (gage height, 12.7 ft or 3.87 m, site and datum then in use), from rating curve extended above 3,100 ft³/s (87.8 m³/s) by logarithmic plotting; no flow at times in some years.

REMARKS.--Records good except for winter period or period of no gage-height record which are poor. Diversions above station for irrigation of about 42,000 acres (170 km²). Several small transmountain diversions from tributaries for irrigation in Sevier Lake basin, and some storage since Nov. 3, 1965, in Joes Valley Reservoir (see station 09323900). Records of chemical analysis and water temperatures for the water year 1975 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	90	28	25	35	52	36	22	92	850	114	66
2	38	140	30	25	35	54	38	29	102	800	101	65
3	42	220	30	25	35	56	35	26	121	820	88	68
4	42	130	30	25	35	58	31	28	126	840	82	64
5	45	100	30	25	40	60	30	30	129	840	82	65
6	52	80	30	20	40	65	30	33	137	750	84	64
7	56	70	30	20	40	64	29	35	139	730	78	65
8	54	65	30	20	40	69	32	39	148	700	71	68
9	52	62	30	20	40	64	30	37	189	680	68	85
10	50	60	30	20	40	62	29	35	132	650	66	215
11	52	58	30	20	40	62	28	33	130	600	71	125
12	60	56	30	20	40	59	30	32	158	550	89	105
13	59	60	30	20	45	62	30	33	159	480	89	119
14	58	61	30	20	45	55	31	29	171	430	133	266
15	56	68	30	20	45	51	29	33	228	380	151	169
16	56	68	30	20	45	50	27	34	310	500	83	108
17	58	78	30	25	45	50	26	32	600	640	76	110
18	55	65	30	25	45	46	28	31	1000	500	71	99
19	53	56	30	25	45	42	28	40	1200	350	72	92
20	52	67	30	25	45	40	27	46	1300	290	70	68
21	53	64	30	25	45	38	25	53	1100	250	69	66
22	54	63	30	25	45	40	24	89	1000	200	81	60
23	60	61	30	30	45	40	24	74	950	160	86	60
24	132	57	30	30	45	38	28	68	850	160	80	61
25	132	52	30	30	46	36	28	62	850	150	65	60
26	98	49	30	30	47	36	26	56	969	120	63	62
27	81	46	30	30	49	41	28	54	860	105	68	64
28	81	45	25	30	50	44	26	63	860	100	63	63
29	235	44	25	35	---	36	25	93	880	110	69	59
30	200	44	25	35	---	33	22	91	870	117	64	69
31	140	---	25	35	---	34	---	91	---	140	63	---
TOTAL	2294	2179	908	780	1192	1537	860	1451	15760	13992	2510	2710
MEAN	74.0	72.6	29.3	25.2	42.6	49.6	28.7	46.8	525	451	81.0	90.3
MAX	235	220	30	35	50	69	38	93	1300	850	151	266
MIN	38	44	25	20	35	33	22	22	92	100	63	59
AC-FT	4550	4320	1800	1550	2360	3050	1710	2880	31260	27750	4980	5380
CAL YR 1974	TOTAL	18692	MEAN	51.2	MAX	300	MIN	24	AC-FT	37080		
WTR YR 1975	TOTAL	46173	MEAN	127	MAX	1300	MIN	20	AC-FT	91580		

PEAK DISCHARGE (BASE, 1,300 CFS).--about June 30 (time unknown) 1,380 CFS (10.64 ft).

NOTE: No gage-height record June 10 to July 29.

DIRTY DEVIL RIVER BASIN

113

09329050 Seven Mile Creek near Fish Lake, Utah

LOCATION.--Lat 38°37'40", long 111°38'50", in SW¼ sec.13, T.25 S., R.2 E., Sevier County, on left bank 0.4 mile (0.6 km) upstream from bridge on State Highway 25, about 0.7 mile (1.1 km) upstream from Johnson Valley Reservoir, and 3.5 miles (5.6 km) northeast of north end of Fish Lake.

DRAINAGE AREA.--25 mi² (65 km²), approximately.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 9,200 ft (2,804 m) from topographic map.

AVERAGE DISCHARGE.--11 years, 15.2 ft³/s (0.430 m³/s), 11,010 acre-ft/yr (13.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 187 ft³/s (5.30 m³/s) June 5 (gage height, 3.26 ft or 0.994 m); minimum, 3.3 ft³/s (0.093 m³/s) Mar. 17.

Period of record: Maximum discharge, 215 ft³/s (6.09 m³/s) June 1, 1968 (gage height, 3.43 ft or 1.045 m); minimum, 2.0 ft³/s (0.057 m³/s) Oct. 23, 1965.

REMARKS.--Records good except those for no gage-height record, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	9.9	7.0	6.7	6.4	6.5	6.7	6.6	86	31	14	11
2	9.3	9.8	7.0	6.8	6.4	6.6	6.2	6.6	105	30	13	11
3	12	9.6	7.2	6.6	6.4	6.5	6.8	6.6	113	30	13	10
4	14	10	7.4	6.7	6.4	6.3	7.0	6.6	121	32	13	10
5	10	9.7	7.7	6.7	6.5	6.4	7.0	6.6	126	32	13	10
6	9.6	9.7	7.5	6.8	6.4	6.4	6.8	6.6	131	30	13	10
7	9.4	9.6	7.5	6.9	6.4	6.4	6.3	6.6	126	29	13	10
8	9.3	9.5	7.4	6.8	6.4	6.3	6.0	7.5	123	30	13	12
9	9.7	9.3	7.3	6.7	6.5	6.2	6.0	9.0	94	38	13	13
10	9.5	9.2	7.3	6.6	6.5	6.4	6.4	11	76	34	13	12
11	9.7	9.1	7.2	6.8	6.5	6.4	6.6	13	67	48	13	11
12	9.9	9.0	7.3	6.2	6.5	6.3	6.8	14	75	47	14	11
13	9.3	8.9	7.2	6.7	6.4	6.2	6.8	16	83	29	13	15
14	9.0	8.8	7.0	7.1	6.5	6.3	6.8	18	93	26	11	13
15	8.9	8.8	7.3	7.1	6.5	6.3	6.8	19	87	24	11	11
16	8.8	8.6	7.1	7.0	6.4	6.3	6.6	22	82	21	11	10
17	8.8	8.4	7.4	6.8	6.4	5.0	6.3	24	71	19	11	10
18	8.8	8.2	7.5	6.7	6.2	6.4	6.3	26	67	18	11	9.6
19	8.7	8.3	7.5	6.7	6.4	6.7	6.8	34	52	17	11	9.5
20	8.8	8.4	7.3	6.7	6.5	6.8	6.8	40	50	17	13	9.9
21	9.0	8.3	7.2	6.7	6.4	6.5	6.8	25	50	16	18	10
22	9.0	8.3	7.4	6.6	6.2	6.3	6.8	18	49	16	13	11
23	11	8.1	7.2	6.6	6.0	5.8	6.8	17	44	15	12	12
24	11	8.0	7.0	6.6	6.3	6.3	6.8	31	41	15	11	12
25	9.4	7.7	6.9	6.6	6.6	6.6	7.0	54	38	14	11	12
26	9.6	7.5	6.9	6.7	6.4	6.5	6.8	66	37	14	11	12
27	9.9	7.4	6.9	6.6	6.4	5.5	6.3	66	36	15	11	12
28	9.7	7.3	6.9	6.6	6.4	6.2	6.1	45	35	15	11	11
29	10	7.3	7.0	6.5	---	6.5	6.0	38	34	16	11	11
30	13	7.1	6.8	6.6	---	6.3	6.0	46	32	15	11	11
31	9.9	---	6.6	6.5	---	6.0	---	66	---	14	10	---
TOTAL	304.5	259.8	222.9	207.7	179.3	195.2	197.2	771.7	2224	747	380	333.0
MEAN	9.82	8.66	7.19	6.70	6.40	6.30	6.57	24.9	74.1	24.1	12.3	11.1
MAX	14	10	7.7	7.1	6.6	6.8	7.0	66	131	48	18	15
MIN	8.7	7.1	6.6	6.2	6.0	5.0	6.0	6.6	32	14	10	9.5
AC-FT	604	515	442	412	356	387	391	1530	4410	1480	754	661

CAL YR 1974 TOTAL 6355.7 MEAN 17.4 MAX 144 MIN 5.8 AC-FT 12610
WTR YR 1975 TOTAL 6022.3 MEAN 16.5 MAX 131 MIN 5.0 AC-FT 11950

PEAK DISCHARGE (BASE, 80 CFS).--June 5 (2000) 187 cfs (3.26 ft).

NOTE.--No gage-height record Mar. 30 to May 11.

DIRTY DEVIL RIVER BASIN

09329900 Pine Creek near Bicknell, Utah

LOCATION.--Lat°38 16'10", long 111°35'00", in SE¼ sec.21, T.29 S., R.3 E., Wayne County, about 3.5 miles (5.6 km) upstream from mouth and 5.5 miles (8.9 km) southwest of Bicknell.

DRAINAGE AREA.--100 mi² (259 km²), approximately.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,100 ft (2,164 m) from topographic map.

AVERAGE DISCHARGE.--11 years, 4.25 ft³/s (0.120 m³/s), 3,080 acre-ft/yr (380,000 m³/yr).

EXTREMES.--Current year: Maximum discharge, 270 ft³/s (7.65 m³/s) May 16 (gage height, 3.39 ft or 1.033 m); minimum discharge, 0.73 ft³/s (0.021 m³/s) Dec. 9.

Period of record: Maximum discharge, 707 ft³/s (20.0 m³/s) Aug. 2, 1968 (gage height, 4.85 ft or 1.478 m), from estimate based on field survey of peak flow; no flow Feb. 5, 1972, result of freezeup.

REMARKS.--Records good except those for winter period, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	3.1	2.6	2.5	2.9	4.0	10	4.1	3.2	1.9	3.1	4.0
2	2.9	3.1	2.9	2.5	3.3	4.0	6.9	9.3	3.8	1.8	3.1	4.2
3	3.9	3.1	2.9	2.5	3.5	4.0	4.3	55	3.4	1.8	2.9	4.0
4	3.3	3.1	2.9	2.5	3.5	4.0	3.3	61	3.3	1.9	2.9	4.3
5	3.3	3.1	2.9	2.5	3.5	4.0	3.2	21	2.8	1.9	2.9	4.2
6	3.4	3.0	2.6	2.8	3.9	4.0	3.1	5.4	2.9	2.3	3.1	4.2
7	3.3	3.0	2.6	3.2	4.6	4.0	3.5	3.4	2.9	2.2	3.1	4.4
8	3.7	2.9	2.6	2.9	3.9	4.0	3.8	2.8	2.9	2.4	3.1	5.0
9	2.7	2.9	2.5	2.9	3.3	4.3	3.9	18	2.7	4.0	3.3	5.5
10	2.9	2.9	2.5	2.9	3.1	4.1	3.5	60	2.5	3.0	3.5	5.4
11	3.3	3.0	2.5	2.9	2.9	4.0	3.1	81	2.3	4.6	3.5	5.1
12	3.3	3.0	2.7	2.9	2.7	3.8	2.9	97	2.2	4.7	3.6	4.9
13	3.1	3.1	2.8	3.4	3.0	3.8	3.1	74	2.3	4.5	3.6	5.4
14	3.1	3.1	2.8	3.4	2.9	3.8	2.8	86	2.3	14	3.7	5.2
15	3.1	3.0	2.8	3.4	3.0	3.8	3.5	113	2.3	4.1	3.7	5.0
16	3.1	2.9	2.8	3.4	3.1	3.9	3.7	130	2.0	2.9	3.7	4.7
17	3.1	2.8	2.8	3.4	3.0	4.0	2.7	100	1.9	2.7	3.7	4.7
18	3.1	2.9	2.8	3.5	3.0	4.8	2.7	70	2.4	2.7	3.6	4.6
19	3.1	2.9	2.8	3.5	3.1	5.2	2.7	43	2.3	3.1	3.7	4.7
20	3.1	2.9	2.8	3.3	3.2	5.2	3.0	72	2.1	2.7	4.4	4.7
21	3.1	2.8	2.8	3.1	3.2	4.8	5.2	15	2.1	2.9	5.1	4.7
22	3.7	2.7	2.8	3.1	3.3	4.4	15	7.0	2.2	2.7	4.4	5.0
23	3.9	2.6	2.6	3.3	3.4	4.5	21	3.7	2.2	2.7	4.1	4.7
24	3.3	2.6	2.3	3.3	3.4	5.6	37	3.2	1.9	2.7	4.0	4.8
25	2.9	2.6	2.3	3.3	3.4	8.0	48	9.2	2.0	2.7	4.2	4.5
26	3.1	2.6	2.3	3.1	3.3	8.0	24	16	2.1		4.0	4.5
27	3.1	2.6	2.3	2.9	3.2	6.0	9.2	15	2.1	2.1	4.0	4.6
28	3.1	2.6	2.4	2.7	3.8	4.0	5.2	8.4	2.5	2.9	4.1	4.5
29	3.1	2.5	2.8	2.7	---	4.0	3.9	3.7	2.3	3.1	4.0	4.6
30	3.1	2.5	2.8	2.9	---	9.0	2.8	3.4	2.2	3.1	3.9	4.6
31	3.1	---	2.6	3.1	---	11	---	3.0	---	3.1	4.5	---
TOTAL	99.4	85.9	82.6	93.8	92.4	152.0	247.0	1193.6	74.2	100.9	114.5	140.7
MEAN	3.21	2.86	2.66	3.03	3.30	4.90	8.23	38.5	2.47	3.25	3.69	4.69
MAX	3.9	3.1	2.9	3.5	4.6	11	48	130	3.8	14	5.1	5.5
MIN	2.7	2.5	2.3	2.5	2.7	3.8	2.7	2.8	1.9	1.8	2.9	4.0
AC-FT	197	170	164	186	183	301	490	2370	147	200	227	279

CAL YR 1974 TOTAL 1162.90 MEAN 3.19 MAX 7.7 MIN .75 AC-FT 2310
WTR YR 1975 TOTAL 2477.00 MEAN 6.79 MAX 130 MIN 1.8 AC-FT 4910

PEAK DISCHARGE (BASE, 60 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
4-24	2100	2.80	136	5-16	0200	3.39	270
5-3	2100	3.03	180	7-14	1600	2.86	149

DIRTY DEVIL RIVER BASIN

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09330230 Fremont River near Caineville, Utah

LOCATION.--Lat 38°16'40", long 111°04'00", in NE¼NE¼ sec.20, T.29 S., R.8 E., Wayne County, on right bank 2.0 miles (3.2 km) downstream from Pleasant Creek, 4.5 miles (7.2 km) southwest of Caineville, and 9.8 miles (15.8 km) east of Fruita, Utah.

DRAINAGE AREA.--1,190 mi² (3,082 km²), approximately.

PERIOD OF RECORD.--March 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,750 ft (1,448 m) from topographic map.

AVERAGE DISCHARGE.--8 years, 70.4 ft³/s (1.994 m³/s), 51,000 acre-ft/yr (62.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 524 ft³/s (14.8 m³/s) May 13 (gage height, 2.55 ft or 0.777 m); minimum, 22 ft³/s (0.62 m³/s) several days in August.

Period of record: Maximum discharge, 2,310 ft³/s (65.4 m³/s) Aug. 27, 1971 (gage height, 5.36 ft or 1.634 m, from high-water mark); minimum, 11 ft³/s (0.31 m³/s) Aug. 13-15, 1972.

REMARKS.--Records good, except for winter periods, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	76	84	52	72	115	86	67	80	30	29	30
2	31	88	90	51	71	120	80	60	77	33	27	30
3	33	115	90	50	74	113	84	48	75	34	24	30
4	41	99	94	50	79	106	82	111	76	42	25	31
5	40	88	101	51	75	103	76	256	71	44	25	33
6	38	97	101	52	74	108	78	152	74	43	28	34
7	37	92	97	52	78	111	78	82	80	43	32	38
8	36	92	94	52	87	111	72	62	78	43	31	37
9	37	99	80	56	93	101	76	57	75	47	30	44
10	37	94	68	57	94	97	67	58	76	54	33	59
11	37	92	65	54	92	97	72	161	74	55	33	53
12	40	92	66	52	92	97	90	349	69	67	34	55
13	41	94	72	51	94	94	90	389	71	63	35	107
14	43	90	64	50	94	99	80	212	66	74	33	68
15	41	90	61	50	99	99	78	164	63	61	33	63
16	41	92	70	52	92	99	74	152	57	69	30	60
17	41	90	65	54	94	99	76	144	53	51	30	55
18	40	92	64	65	84	99	72	69	52	44	29	53
19	43	92	62	62	84	102	72	66	55	42	27	55
20	45	90	64	61	88	105	76	63	49	41	28	49
21	48	92	63	70	82	107	76	58	49	40	35	47
22	51	94	64	65	78	104	76	55	51	46	41	45
23	65	94	72	68	86	95	72	56	51	42	33	51
24	80	92	66	72	94	88	74	57	38	38	31	56
25	72	94	58	76	92	90	84	57	33	38	29	58
26	69	94	55	80	94	94	136	60	37	36	30	56
27	72	90	56	76	97	88	128	64	36	34	31	56
28	72	94	58	72	103	80	80	80	34	34	31	50
29	78	92	61	74	---	82	65	90	30	46	31	43
30	76	86	58	68	---	82	58	88	30	36	31	48
31	76	---	56	70	---	88	---	85	---	31	30	---
TOTAL	1534	2776	2219	1865	2436	3073	2408	3472	1760	1401	949	1494
MEAN	49.5	92.5	71.6	60.2	87.0	99.1	80.3	112	58.7	45.2	30.6	49.8
MAX	80	115	101	80	103	120	136	389	80	74	41	107
MIN	31	76	55	50	71	80	58	48	30	30	24	30
AC-FT	3040	5510	4400	3700	4830	6100	4780	6890	3490	2780	1880	2960

CAL YR 1974 TOTAL 23562 MEAN 64.6 MAX 553 MIN 23 AC-FT 46740
WTR YR 1975 TOTAL 25387 MEAN 69.6 MAX 389 MIN 24 AC-FT 50360

PEAK DISCHARGE (BASE, 500 CFS).--May 13 (0200) 524 cfs (2.55 ft).

DIRTY DEVIL RIVER BASIN

09330500 Muddy Creek near Emery, Utah

LOCATION.--Lat 38°58'55", long 111°14'55", in NE¼ sec.21, T.21 S., R.6 E., Emery County, on left bank 100 ft (30 m) upstream from Emery Canal and 4.1 miles (6.6 km) north of Emery.

DRAINAGE AREA.--105 mi² (270 km²), approximately.

PERIOD OF RECORD.--April to July 1909, July 1910 to July 1914, June 1949 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,400 ft (1,951 m) from topographic map. Apr. 29 to July 31, 1909, reference point. July 23, 1910 to July 16, 1914, staff gages, at sites about 1 mile (2 km) upstream at different datums. June 29, 1949 to May 1, 1957, water-stage recorder at site 100 ft (30 m) upstream at datum 2.89 ft (0.881 m) higher prior to Mar. 20, 1953, and at datum 1.89 ft (0.6 m) higher thereafter.

AVERAGE DISCHARGE.--29 years (1910-13, 1949-75), 38.1 ft³/s (1.079 m³/s), 27,600 acre-ft/yr (34.0 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 322 ft³/s (9.12 m³/s) June 8 (gage height, 3.68 ft or 1.122 m); minimum recorded, 2.3 ft³/s (0.065 m³/s) Mar. 27.

Period of record: Maximum discharge, 3,340 ft³/s (94.6 m³/s) May 10, 1952 (gage height, 11.14 ft or 3.395 m, present datum), from rating curve extended above 400 ft³/s (11.3 m³/s) on basis of slope-area measurement of peak flow; no flow Apr. 13-16, 1911.

REMARKS.--Records fair, except those for winter period, which are poor. One small diversion for irrigation above station.

REVISION.--WSP 1633: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	17	10	9.0	9.0	11	9.5	30	176	146	56	35
2	17	19	10	9.0	9.0	11	10	44	185	144	55	34
3	19	17	10	9.0	9.0	11	9.4	62	184	145	53	33
4	22	16	10	9.0	9.0	10	10	40	195	145	50	33
5	18	13	10	9.0	8.6	8.7	12	25	199	142	48	32
6	18	14	10	9.0	8.6	8.3	13	15	210	139	47	31
7	18	13	10	9.0	8.6	7.7	10	16	240	133	46	38
8	17	16	10	9.0	8.6	8.2	9.4	22	266	126	44	38
9	17	16	10	9.0	8.6	9.4	10	37	223	125	43	39
10	17	14	10	9.0	8.6	8.5	9.4	47	194	124	43	39
11	17	15	9.0	9.0	7.8	8.3	9.8	67	183	116	44	38
12	17	15	9.0	9.0	7.8	8.8	9.5	67	182	112	44	38
13	17	16	9.0	9.0	7.5	9.9	9.7	72	189	107	41	43
14	16	14	9.0	9.0	7.2	7.7	12	91	217	102	40	39
15	16	12	9.0	9.0	7.2	8.2	10	103	243	104	39	37
16	16	11	9.0	9.0	6.8	7.9	10	103	256	109	38	38
17	15	11	9.0	9.0	6.8	9.8	11	112	250	96	37	38
18	16	12	9.0	9.0	6.5	8.3	9.7	112	244	91	36	36
19	15	12	9.0	9.0	7.2	11	9.5	125	232	88	35	36
20	15	7.8	9.0	9.0	8.6	16	14	155	215	85	36	35
21	16	11	9.0	9.0	6.2	14	37	101	192	82	40	35
22	16	11	9.0	9.0	6.5	10	54	96	179	80	37	35
23	21	11	9.0	9.0	8.2	8.5	59	95	171	75	36	36
24	20	11	9.0	9.0	9.3	9.4	84	108	168	73	35	35
25	17	11	9.0	9.0	8.2	9.5	84	124	165	72	35	35
26	17	11	9.0	9.0	7.8	8.9	42	130	160	73	38	34
27	21	11	9.0	9.0	9.8	6.4	30	136	158	67	38	34
28	21	11	9.0	9.0	10	9.0	28	131	155	66	38	34
29	22	11	9.0	9.0	---	9.0	25	127	152	65	37	33
30	16	11	9.0	9.0	---	9.0	25	135	148	63	36	34
31	17	---	9.0	9.0	---	9.5	---	159	---	60	36	---
TOTAL	544	390.8	289.0	279.0	227.0	292.9	675.9	2687	5931	3155	1281	1075
MEAN	17.5	13.0	9.32	9.00	8.11	9.45	22.5	86.7	198	102	41.3	35.8
MAX	22	19	10	9.0	10	16	84	159	266	146	56	43
MIN	15	7.8	9.0	9.0	6.2	6.4	9.4	15	148	60	35	31
AC-FT	1080	775	573	553	450	581	1340	5330	11760	6260	2540	2130

CAL YR 1974 TOTAL 14891.8 MEAN 40.8 MAX 209 MIN 7.8 AC-FT 29540
WTR YR 1975 TOTAL 16827.6 MEAN 46.1 MAX 266 MIN 6.2 AC-FT 33380

PEAK DISCHARGE (BASE, 400 CFS). No peak above base.

DIRTY DEVIL RIVER BASIN

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09332100 Muddy Creek below Interstate Highway I-70, near Emery, Utah

LOCATION.--Lat 38°48'44", long 111°11'53", SW¼NE¼SW¼ sec.13, T.23 S., R.6 E., Emery County on left bank 0.1 mile (0.2 km) downstream from bridge on Interstate Highway I-70, 0.2 mile (0.3 km) downstream from Ivie Creek, and 12.2 miles (19.6 km) southeast of Emery.

DRAINAGE AREA.--418 mi² (1,083 km²).

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,630 ft (1,716 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 4,760 ft³/s (134.8 m³/s) about July 15 or 16 (gage height, 7.30 ft or 2.225 m, from floodmark); from rating curve extended above 170 ft³/s (4.81 m³/s); minimum recorded discharge, 1.0 ft³/s (0.028 m³/s) Jan. 5.

Period of record: Maximum discharge, 5,360 ft³/s (151.8 m³/s) July 17, 1974 (gage height, 7.80 ft or 2.377 m, from floodmark); from rating curve extended above 170 ft³/s (4.81 m³/s); minimum recorded discharge, 1.0 ft³/s (0.028 m³/s) Jan. 5, 1975.

REMARKS.--Records poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	9.1	7.0	10	10	44	11	42	100	38	9.0	2.5
2	2.7	18	9.8	9.2	10	57	10	55	100	35	8.0	2.9
3	3.9	12	11	10	10	54	11	70	103	39	7.0	2.9
4	5.9	13	11	6.5	10	48	17	80	109	37	6.4	2.7
5	5.3	11	11	10	10	30	16	50	132	37	6.4	2.5
6	3.3	9.7	11	9.9	10	29	21	25	148	43	6.4	3.0
7	3.5	9.5	11	10	10	32	16	16	187	36	6.4	3.2
8	4.0	12	11	10	10	55	12	9.9	273	28	6.4	3.2
9	3.4	14	11	10	10	69	11	27	149	125	6.4	4.3
10	4.1	10	11	10	10	58	15	39	107	56	6.0	4.0
11	3.5	12	11	9.6	10	33	17	39	95	94	2.0	4.0
12	3.9	14	11	10	10	33	18	26	78	147	4.5	4.0
13	3.5	15	11	10	9.0	41	15	60	83	129	8.4	10
14	3.5	16	11	10	9.0	51	20	63	87	30	6.8	4.0
15	4.3	15	11	10	9.0	50	14	65	111	200	4.5	4.0
16	3.6	13	11	10	9.0	45	13	67	123	250	3.3	4.0
17	3.5	13	11	10	9.0	40	13	70	120	35	2.6	4.0
18	3.2	13	11	10	9.0	38	11	72	131	20	2.2	4.0
19	2.7	16	11	10	9.0	40	11	75	131	17	2.0	4.0
20	2.8	11	11	10	9.0	46	13	77	117	14	2.7	4.0
21	3.0	11	11	10	12	45	20	78	108	13	4.5	4.0
22	3.2	18	11	10	13	35	65	78	146	12	3.8	4.0
23	16	13	7.7	10	15	23	75	78	100	11	2.8	4.0
24	7.5	9.0	8.0	11	23	18	55	79	80	10	1.8	4.0
25	4.6	10	8.1	14	30	15	124	80	70	9.5	4.0	77
26	4.8	13	9.6	14	36	14	26	84	60	9.0	4.0	77
27	14	9.8	7.5	14	39	13	25	87	55	8.5	4.0	77
28	7.8	12	10	14	45	12	25	90	50	8.2	4.0	77
29	28	8.8	10	14	---	12	25	93	45	8.0	4.0	77
30	11	4.6	10	13	---	11	33	96	42	150	4.0	77
31	8.1	---	10	11	---	11	---	99	---	15	1.8	---
TOTAL	181.2	365.5	317.7	330.2	405.0	1102	758	1969.9	3240	1664.2	146.1	555.2
MEAN	5.85	12.2	10.2	10.7	14.5	35.5	25.3	63.5	108	53.7	4.71	18.5
MAX	28	18	11	14	45	69	124	99	273	250	9.0	77
MIN	2.6	4.6	7.0	6.5	9.0	11	10	9.9	42	8.0	1.8	2.5
AC-FT	359	725	630	655	803	2190	1500	3910	6430	3300	290	1100
CAL YR 1974	TOTAL	5166.4	MEAN	14.2	MAX	176	MIN	2.2	AC-FT	10250		
WTR YR 1975	TOTAL	11035.0	MEAN	30.2	MAX	273	MIN	1.8	AC-FT	21890		

DIRTY DEVIL RIVER BASIN

09333500 Dirty Devil River above Poison Spring Wash near Hanksville, Utah

LOCATION.--Lat 38°05'50", long 110°24'27" (unsurveyed), Garfield County, on right bank 1.0 mile (1.6 km) upstream from Poison Spring Wash and 25.5 miles (41.0 km) southeast of Hanksville.

DRAINAGE AREA.--4,170 mi²- (10,800 km²), approximately.

PERIOD OF RECORD.--June 1948 to current year. Prior to October 1968 published as "near Hite."

GAGE.--Water-stage recorder and mercury manometer. Altitude of gage is 3,850 ft (1,173 m) from topographic map. Prior to July 15, 1964, at site 28 miles (45 km) downstream at different datum.

AVERAGE DISCHARGE.--27 years, 96.4 ft³/s (2.730 m³/s), 69,840 acre-ft/yr (86.1 hm³/yr).

EXTREMES.--Current year: Maximum daily discharge, 742 ft³/s (21.0 m³/s) Nov. 3; minimum recorded, 6.8 ft³/s (0.19 m³/s) Aug. 13, 14.

Period of record: Maximum discharge, about 35,000 ft³/s (991 m³/s) Nov. 4, 1957 (gage height, 28.1 ft or 8.56 m, from floodmarks, site and datum then in use), from rating curve extended above 9,000 ft³/s (255 m³/s) on basis of slope-area measurement at gage height 20.65 ft (6.294 m); no flow at times in 1954-55, 1959-60, 1963-68, 1971-72, 1974.

REMARKS.--Records poor. Many diversions for irrigation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	73	78	26	58	150	148	109	107	77	27	11
2	15	105	78	25	50	160	169	106	67	70	22	11
3	22	742	86	22	54	160	143	106	98	65	18	11
4	41	396	74	23	57	160	128	106	154	61	24	11
5	47	140	103	23	54	160	113	106	172	57	20	11
6	60	64	90	24	45	160	107	228	144	53	22	11
7	81	60	78	25	60	160	114	207	117	50	16	12
8	74	70	75	30	86	160	116	150	154	74	14	13
9	71	128	51	25	100	160	118	107	219	111	12	20
10	64	118	47	24	99	160	118	106	250	186	11	15
11	53	94	38	24	62	160	119	106	219	148	10	18
12	60	97	54	24	82	169	153	113	172	177	7.5	18
13	53	94	66	24	77	155	214	270	178	123	7.0	15
14	53	94	50	24	68	152	195	402	150	163	11	150
15	54	112	63	27	81	147	175	198	130	126	24	80
16	62	105	50	34	56	141	136	161	130	113	20	70
17	60	101	58	42	47	159	121	159	132	185	18	60
18	62	79	54	44	60	140	122	144	172	108	16	50
19	67	76	64	47	70	129	109	155	159	80	16	46
20	78	101	58	43	80	124	104	150	150	60	12	46
21	90	74	80	41	80	137	103	150	146	40	11	44
22	101	60	56	40	80	129	104	152	130	30	11	42
23	105	67	29	43	80	149	103	150	176	25	11	40
24	307	78	25	58	90	144	111	150	146	20	11	42
25	346	70	22	79	110	131	116	150	106	15	11	45
26	142	103	27	155	140	128	129	150	86	12	11	45
27	160	94	36	100	140	141	188	150	88	12	11	45
28	178	74	39	79	140	130	208	176	89	12	11	42
29	427	82	46	46	---	124	170	228	90	10	11	37
30	268	84	36	39	---	117	118	154	86	63	11	35
31	138	---	27	52	---	114	---	126	---	40	11	---
TOTAL	3349	3635	1738	1312	2206	4510	4072	4925	4217	2366	448.5	1096
MEAN	108	121	56.1	42.3	78.8	145	136	159	141	76.3	14.5	36.5
MAX	427	742	103	155	140	169	214	402	250	186	27	150
MIN	10	60	22	22	45	114	103	106	67	10	7.0	11
AC-FT	6640	7210	3450	2600	4380	8950	8080	9770	8360	4690	890	2170

CAL YR 1974 TOTAL 28622.71 MEAN 78.4 MAX 742 MIN 0 AC-FT 56770
WTR YR 1975 TOTAL 33874.50 MEAN 92.8 MAX 742 MIN 7.0 AC-FT 67190

PEAK DISCHARGE (BASE, 2,700 CFS). No peak above base.

NOTE:--No gage-height record Aug. 23 to Sept. 30.

ESCALANTE RIVER BASIN

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09337000 Pine Creek near Escalante, Utah

LOCATION.--Lat 37°51'45", long 111°38'07", in SW¼ sec.12, T.34 S., R.2 E., Garfield County, on left bank 0.2 mile (0.3 km) upstream from unnamed right bank tributary and 7 miles (11 km) north of Escalante.

DRAINAGE AREA.--78 mi² (202 km²), approximately.

PERIOD OF RECORD.--July 1950 to September 1955, July 1957 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,400 ft (1,951 m) from topographic map.

AVERAGE DISCHARGE.--23 years, 4.36 ft³/s (0.123 m³/s), 3,160 acre-ft/yr (3.90 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 108 ft³/s (3.06 m³/s) May 17 (gage height, 3.49 ft or 1.064 m); minimum discharge, 0.57 ft³/s (0.016 m³/s) Mar. 28, 29, Apr. 1, 2, 3.

Period of record: Maximum discharge, 1,010 ft³/s (28.6 m³/s) Aug. 2, 1967 (gage height, 7.72 ft or 2.353 m), from rating curve extended above 35 ft³/s (0.99 m³/s) on basis of slope-area measurement at gage height 7.70 ft (2.347 m); no flow at times in some years.

REMARKS.--Records good except those for winter period, which are poor. No diversion above station. Some regulation from small reservoirs at headwaters.

REVISION.--WSP 1633: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	3.0	1.3	1.0	1.3	2.5	.61	2.0	57	.70	3.0	1.7
2	1.2	3.3	1.3	1.0	1.1	2.6	.65	1.8	66	1.7	2.9	1.6
3	2.7	3.2	1.3	1.0	1.0	1.9	.82	2.3	64	3.0	2.3	1.4
4	2.6	2.3	1.4	1.1	1.0	1.6	.90	3.3	53	3.2	1.6	1.4
5	1.9	2.3	2.2	1.2	1.2	1.5	1.0	2.9	41	4.2	1.3	1.3
6	2.1	2.9	2.2	1.3	1.2	1.4	.92	2.1	34	3.7	1.1	1.2
7	2.0	2.0	2.1	1.5	1.1	1.1	.87	2.5	27	4.4	1.0	1.2
8	1.9	3.1	2.1	1.8	1.4	1.1	1.1	2.2	21	3.1	.92	1.8
9	2.4	3.1	1.9	1.4	1.4	1.0	.97	2.1	16	5.1	.95	4.1
10	1.8	2.7	1.8	1.1	1.6	.91	1.0	3.1	11	4.7	.93	7.4
11	1.6	2.7	2.8	.93	1.1	.99	.99	4.3	8.1	4.6	2.2	3.3
12	1.6	3.0	4.1	.90	1.1	.94	1.1	7.7	5.1	3.9	2.6	4.0
13	1.7	3.1	3.2	.90	.98	.93	1.1	17	3.8	5.2	2.5	14
14	1.6	3.0	2.5	.90	.96	.87	.90	35	2.8	4.8	1.8	11
15	1.7	2.9	5.0	.90	.91	.85	.75	49	2.2	3.3	1.5	7.5
16	1.6	2.6	4.9	.90	.92	.84	.94	51	1.8	3.4	1.4	3.6
17	1.6	2.6	4.0	.95	1.1	.79	.80	54	1.6	3.1	1.4	5.8
18	1.6	2.9	3.0	1.0	1.0	.80	.74	47	2.0	2.4	1.3	4.4
19	1.6	2.9	3.3	1.1	1.1	.98	.81	44	2.8	2.0	2.1	1.6
20	1.6	2.4	5.4	1.1	1.1	.97	1.0	44	2.1	1.7	2.6	1.3
21	1.6	3.0	5.6	1.1	1.1	.92	1.7	13	2.1	1.6	7.2	1.3
22	2.0	3.0	3.7	1.1	1.1	.86	2.8	12	2.8	1.8	3.7	1.4
23	3.3	2.3	1.7	1.2	1.2	.83	3.4	8.7	2.1	1.5	3.2	1.4
24	3.0	2.8	1.3	1.3	1.5	.89	3.4	8.6	1.6	1.5	2.5	1.4
25	2.3	3.6	1.0	1.4	1.9	.79	4.1	16	1.3	4.4	2.1	1.4
26	2.2	2.5	1.0	1.5	2.2	.67	3.7	16	1.2	4.7	1.7	1.5
27	3.4	1.7	1.1	1.2	2.3	.67	2.3	18	1.1	4.6	1.5	1.5
28	3.4	1.9	1.2	1.2	2.4	.58	2.1	13	.99	4.6	1.6	1.5
29	3.7	1.4	1.3	1.2	---	.58	2.0	8.6	.86	5.4	1.5	1.5
30	2.5	1.3	1.5	1.1	---	.60	2.0	6.1	.80	5.6	1.5	1.5
31	2.8	---	1.1	1.3	---	.60	---	7.5	---	4.1	1.7	---
TOTAL	66.2	79.5	76.3	35.58	36.27	32.56	45.47	504.8	437.15	108.00	63.60	94.0
MEAN	2.14	2.65	2.46	1.15	1.30	1.05	1.52	16.3	14.6	3.48	2.05	3.13
MAX	3.7	3.6	5.6	1.8	2.4	2.6	4.1	54	66	5.6	7.2	14
MIN	1.2	1.3	1.0	.90	.91	.58	.61	1.8	.80	.70	.92	1.2
AC-FT	131	158	151	71	72	65	90	1000	867	214	126	186
CAL YR 1974 TOTAL	1489.90			MEAN 4.08	MAX 7.8	MIN 1.0	AC-FT 2960					
WTR YR 1975 TOTAL	1579.43			MEAN 4.33	MAX 66	MIN .58	AC-FT 3130					

PEAK DISCHARGE (BASE, 100 CFS).--May 17 (2300) 108 cfs (3.49 ft).

ESCALANTE RIVER BASIN

09337500 Escalante River near Escalante, Utah

LOCATION.--Lat 37 46'41", long 111 34'26", in NE 1/4 NW 1/4 SE 1/4, sec. 9, T. 35 S., R. 3 E., Garfield County, on left bank 150 ft (46 m) downstream from Pine Creek and 2 miles (3 km) northeast of Escalante.

DRAINAGE AREA.--310 mi (803 km), approximately.

PERIOD OF RECORD.--August 1909 to April 1913, October 1942 to September 1955, December 1971 to current year. Published as Escalante Creek near Escalante 1909-13.

GAGE.--Water-stage recorder. Altitude of gage, 5,670 ft (1,728 m) from topographic map. Prior to Apr. 30, 1913, staff gage at approximately same site at different datum.

AVERAGE DISCHARGE.--19 years (1909-12, 1942-55, 1972-75) 17.2 ft³/s (0.49 m³/s), 12,460 acre-ft/yr (15.4 hm³/yr).

EXTREMES.--Maximum discharge, 224 ft³/s (6.34 m³/s) Oct. 22 (gage height, 3.51 ft or 1.070 m); minimum, 0.65 ft³/s (0.019 m³/s) Jan. 9. Period of record: Maximum discharge, 3,450 ft³/s (97.7 m³/s) August 1953, day unknown (gage height, 9.9 ft or 3.018 m, from outside high-water mark), from rating curve extended above 540 ft³/s (15.3 m³/s) on basis of slope-area measurements at gage heights 5.50 ft (1.676 m) and 7.34 ft (2.237 m) from inside gage and 7.59 ft (2.313 m) from outside high-water mark, and logarithmic plotting; minimum, 0.1 ft³/s (0.003 m³/s) Aug. 20, 1946, July 15, 1950.

REMARKS.--Records fair except for periods of no gage-height record, which are poor. Diversions above station for irrigation of about 2,300 acres (930 ha) of crop and pastureland.

REVISIONS(WATER YEARS).--WSP 1149: 1943(M), 1944, 1945(M) WRD Utah 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	3.6	1.8	1.2	2.2	4.4	5.4	2.7	27	1.1	2.5	1.1
2	1.9	6.2	2.1	1.1	2.1	18	4.9	2.6	44	1.1	2.1	1.4
3	14	11	2.4	1.1	2.0	25	2.4	2.7	42	1.5	2.1	1.3
4	3.7	5.5	2.2	1.2	1.9	7.7	2.7	3.5	36	1.4	1.6	1.5
5	2.9	3.9	2.8	1.4	1.8	6.9	3.0	3.1	29	1.4	1.5	1.2
6	2.7	3.3	2.4	2.0	1.8	9.1	3.5	2.6	26	1.3	1.4	1.0
7	2.8	2.8	2.3	2.5	2.0	7.3	3.2	2.6	24	.89	1.3	1.0
8	2.5	3.7	2.2	2.1	2.5	6.9	2.7	2.2	20	.89	1.4	3.0
9	3.7	3.8	2.0	1.9	3.0	6.9	2.2	1.7	11	3.5	1.4	2.6
10	2.9	2.9	1.8	1.5	4.1	6.5	2.3	1.7	6.5	3.5	1.4	10
11	2.4	3.0	4.4	1.6	3.1	8.2	2.4	1.5	4.1	3.8	11	6.4
12	2.4	3.2	2.0	1.1	3.1	7.7	3.0	1.4	5.4	16	11	3.4
13	2.4	3.4	3.1	1.2	3.2	6.9	2.8	5.9	3.2	31	5.1	23
14	2.4	3.8	5.2	1.1	3.4	7.3	2.7	19	3.2	23	3.5	18
15	2.4	3.1	4.5	1.1	3.5	7.7	2.7	39	3.2	14	2.4	9.1
16	2.4	2.9	2.4	1.2	3.4	7.3	3.0	39	3.5	9.6	2.4	4.1
17	2.4	2.9	4.0	1.5	3.3	6.9	2.8	37	2.4	3.5	2.4	6.9
18	2.4	3.4	5.2	1.6	3.1	7.3	2.6	35	3.0	2.1	2.4	1.8
19	2.4	3.1	5.5	1.8	3.2	6.5	2.7	28	3.2	1.8	2.4	1.4
20	2.3	2.8	5.6	1.7	3.5	7.7	2.7	34	3.2	1.6	2.4	1.3
21	2.3	2.7	2.5	2.0	3.4	8.2	2.8	9.2	3.5	1.8	8.2	1.3
22	27	3.1	1.4	1.8	3.6	7.7	3.0	5.2	3.2	1.8	3.8	1.3
23	19	2.2	1.3	1.7	3.8	7.3	3.3	5.2	2.1	1.6	2.7	1.3
24	3.5	1.7	1.2	1.8	4.1	6.1	4.0	2.5	1.6	1.8	2.4	1.3
25	2.7	2.0	1.1	2.0	4.4	5.7	5.0	7.3	1.4	1.8	2.1	1.3
26	2.4	2.0	1.1	2.1	4.6	5.4	4.5	7.9	1.0	2.1	2.1	1.3
27	4.5	2.7	1.1	2.2	4.6	4.5	3.5	9.5	1.0	2.1	2.4	1.4
28	7.1	1.9	1.2	2.1	4.3	4.0	3.2	4.8	1.0	1.4	2.1	1.3
29	9.3	1.7	1.5	2.0	---	4.1	3.1	2.1	1.0	3.8	1.8	1.4
30	3.7	1.6	2.0	1.9	---	4.6	2.8	.85	1.2	3.8	1.4	1.4
31	3.1	---	1.7	2.1	---	5.0	---	.82	---	3.2	1.3	---
TOTAL	147.5	99.9	80.0	51.6	89.0	234.8	94.9	320.57	316.9	148.18	92.0	112.8
MEAN	4.76	3.33	2.58	1.66	3.18	7.57	3.16	10.3	10.6	4.78	2.97	3.76
MAX	27	11	5.6	2.5	4.6	25	5.4	39	44	31	11	23
MIN	1.9	1.6	1.1	1.1	1.8	4.0	2.2	.82	1.0	.89	1.3	1.0
AC-FT	293	198	159	102	177	466	188	636	629	294	182	224

CAL YR 1974 TOTAL 2057.74 MEAN 5.64 MAX 27 MIN .63 AC-FT 4080
WTR YR 1975 TOTAL 1788.15 MEAN 4.90 MAX 44 MIN .82 AC-FT 3550

NOTE.--No gage-height record Jan. 15 to Feb. 27; Apr. 8 to May 8.

SAN JUAN RIVER BASIN

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09368000 SAN JUAN RIVER AT SHIPROCK, N. MEX.

LOCATION.--Lat 36°47'32", long 108°43'54", in NW¼ sec.27, T.30 N., R.18 W., San Juan County, on left bank 3 mi (5 km) west of Shiprock, 6 mi (10 km) downstream from Chaco River, and at mile 215.0 (345.9 km).

DRAINAGE AREA.--12,900 mi² (33,400 km²), approximately.

PERIOD OF RECORD.--January to October 1911, February 1927 to current year. Monthly or yearly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Datum of gage is 4,848.68 ft (1,477.878 m) above mean sea level from river-profile survey. Prior to Apr. 6, 1922, nonrecording gage and Apr. 7, 1922, to Oct. 25, 1933, water-stage recorder, at site 3 miles (5 km) upstream at different datum. Oct. 26, 1933, to Sept. 30, 1936, water-stage recorder at present site at datum 3.31 ft (1.01 m) higher and Oct. 1, 1936, to Sept. 30, 1952, at datum 1.77 ft (0.54 m) higher. Supplementary water-stage recorders at nearby sites, same datum, used at times.

AVERAGE DISCHARGE.--49 years (1927-75), 2,216 ft³/s (62.76 m³/s), 1,605,000 acre-ft/yr (1.98 km³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 12,900 ft³/s (365 m³/s) July 12 (gage height, 6.88 ft or 2.097 m); minimum, 287 ft³/s (8.12 m³/s) Oct. 10.

1927-75: Maximum discharge, about 80,000 ft³/s (2,270 m³/s) Aug. 11, 1929 (gage height, 5.7 ft or 1.73 m, site datum then in use); minimum daily, 8 ft³/s (0.23 m³/s) Aug. 25, 26, 1939.

Maximum flood occurred Oct. 6, 1911, and reached a stage of 22 ft (6.7 m), site and datum then in use.

REMARKS.--Records fair. Since 1962 flow partly regulated by Navajo Reservoir (see sta 09355100). Diversions for irrigation of about 118,000 acres (478 km²) above station. Ungaged canals bypass station on both right and left bank, though some of bypass flow is returned to river below gage. Water quality records for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1243: 1931, 1934-38, 1951. WSP 1313: 1911, 1933.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	620	1240	794	888	842	1300	993	3100	4260	6010	3270	1370
2	620	1220	806	938	835	1910	998	2980	4460	6370	3310	1350
3	580	1530	836	842	795	2150	964	2880	5480	6820	3190	1370
4	605	1160	848	867	770	1880	938	2820	6980	7450	3080	1440
5	620	1040	881	902	774	1360	978	3550	9030	7700	3070	1710
6	540	962	954	895	751	1170	1230	3680	10700	6540	2900	1710
7	498	916	909	909	734	1230	1560	3440	11300	6540	2900	1680
8	353	854	930	946	793	1270	1570	3060	10000	6340	2760	1840
9	318	867	874	962	854	1640	1310	2660	8110	6300	2810	3640
10	307	962	902	954	850	2650	1200	2810	8000	6220	3050	2740
11	605	842	895	888	834	1840	1940	3480	6410	6620	3250	2510
12	540	818	916	888	870	1480	2780	4120	4610	8350	2080	4680
13	1520	800	895	881	879	1270	3080	5180	4390	6380	1020	3440
14	1330	824	867	923	882	1140	2730	5320	4920	5350	2340	2500
15	686	923	909	954	911	1230	3200	5860	6030	5600	2280	2190
16	652	909	867	1010	930	1240	4110	6800	7130	5000	2100	2100
17	642	902	836	1050	890	1240	3520	6900	8650	6900	1960	1970
18	625	895	874	1060	869	1170	3220	7010	7110	5660	1860	1910
19	600	874	842	1050	835	1110	3080	6260	6310	4440	1810	1790
20	585	674	830	994	835	1170	2620	5900	4670	4170	1650	1730
21	610	722	842	986	857	1370	2950	5610	3940	3530	1810	1780
22	686	818	881	962	890	1700	2920	5120	3780	3640	1940	1790
23	1320	848	888	946	895	1620	3180	4340	4080	3750	1970	1720
24	1720	842	895	946	874	1310	3550	3810	4710	4080	1960	1690
25	1060	848	888	902	842	1190	3700	3580	5510	3900	1730	1670
26	867	830	881	860	854	1170	3400	4000	5650	4000	1550	1640
27	2460	812	840	848	888	1220	2900	4860	5410	3990	1490	1600
28	5000	800	860	830	902	1160	2570	5790	5750	3730	1580	1570
29	1940	830	860	788	---	1130	2880	5790	6140	3430	1440	1560
30	2120	800	860	788	---	1070	3150	4820	6210	3310	1460	1520
31	1360	---	860	867	---	1000	---	4250	---	3300	1420	---
TOTAL	31889	27362	27020	28524	23765	43390	73421	139780	189730	165720	69060	60210
MEAN	1024	912	872	920	849	1400	2447	4509	6324	5346	2228	2007
MAX	5000	1530	954	1060	930	2650	4110	7010	11300	8350	3310	4680
MIN	307	674	794	788	751	1000	938	2660	3780	3300	1020	1350

CAL YR 1974 TOTAL 410588 MEAN 1125 MAX 5000 MIN 112 AC-FT 814,400
WTR YR 1975 TOTAL 679871 MEAN 2411 MAX 11300 MIN 307 AC-FT 1,745,000

PEAK DISCHARGE (BASE, 6,000 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
10-28	0015	6.68	11,900	7-12	0430	6.88	12,900
6-7	0700	6.94	12,200	9-12	0800	6.42	8,400

SAN JUAN RIVER BASIN

09378630 Recapture Creek near Blanding, Utah

LOCATION.--Lat 37°45'20", long 109°28'33", in NW¼NE¼NW¼ sec.11, T.35 S., R.22 E., San Juan County, on right bank 100 ft (30 m) below road ford, 1.9 miles (3.1 km) north of Manti-LaSal National Forest Boundary, and 9.4 miles (15.1 km) north of Blanding.

DRAINAGE AREA.--3.77 mi² (9.76 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 7,200 ft (2,195 m) from topographic map.

AVERAGE DISCHARGE.--10 years, 1.11 ft³/s (0.031 m³/s), 804 acre-ft/yr (0.991 km³/yr).

EXTREMES.--Current year: Maximum discharge, 17 ft³/s (0.48 m³/s) May 16 (gage height, 1.37 ft or 0.418 m); no flow many days during year.

Period of record: Maximum discharge, 142 ft³/s (4.02 m³/s) Oct. 20, 1972 (gage height, 2.14 ft or 0.653 m); no flow many days each year.

REMARKS.--Records good except those for winter period and period of no gage-height record, which are poor. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.01	.02	0	0	.01	.01	9.0	7.3	.45	.07	.02
2	0	.11	.02	0	.02	.01	.01	11	9.7	.45	.05	.02
3	0	.05	.02	0	.02	.03	.01	13	12	.39	.05	.02
4	0	0	.02	0	0	.02	.01	14	11	.39	.05	.02
5	0	0	.02	0	0	.01	.01	12	10	.39	.05	.01
6	0	0	.02	0	.01	.01	.01	8.7	9.7	.39	.05	.01
7	0	.02	.02	0	0	.01	.01	6.8	8.0	.33	.05	0
8	0	.11	.02	0	0	.03	.01	5.9	7.0	.33	.05	.01
9	0	.11	.02	0	0	.01	.01	6.2	6.8	.28	.05	0
10	0	.02	.02	0	0	.01	.01	8.3	5.6	.28	.05	.01
11	0	.02	.02	0	.01	.01	.01	12	4.3	.33	.05	0
12	0	.02	.02	0	.01	.01	.01	14	3.7	.33	.07	0
13	0	.02	.02	0	0	.01	.01	14	3.7	.20	.05	0
14	0	.02	.02	0	0	.01	.01	16	3.7	.17	.05	0
15	0	.02	.02	0	0	.01	.02	16	4.3	.17	.03	0
16	0	.02	.02	0	.01	.01	.01	17	4.3	.17	.02	0
17	0	.02	.02	0	.01	.01	.01	16	3.5	.24	.02	0
18	0	.02	.02	0	.01	.01	.01	16	3.0	.11	.02	0
19	0	0	0	0	.01	.01	.01	16	2.4	.11	.02	0
20	0	0	.01	0	.01	.05	.01	14	2.0	.09	.02	0
21	0	0	0	0	.01	.02	.25	11	1.6	.09	.03	0
22	.02	0	0	0	.01	.01	.30	8.3	1.2	.09	.03	0
23	.02	0	0	0	.01	.01	.25	6.5	.94	.07	.02	0
24	0	0	0	0	.01	.01	.25	5.4	.84	.09	.02	0
25	0	0	.02	0	.01	.01	.35	7.3	.84	.09	.02	0
26	.03	0	.02	0	.01	.01	.40	11	.84	.09	.02	0
27	0	.02	.02	0	.01	.01	.20	12	.67	.07	.02	0
28	.28	.02	.02	0	.01	.01	.20	12	.59	.07	.02	0
29	.02	.02	0	.02	---	.01	.10	9.0	.52	.09	.02	0
30	0	.02	0	0	---	.01	.25	6.8	.52	.09	.02	0
31	0	---	0	0	---	.01	---	6.8	---	.07	.02	---
TOTAL	.37	.67	.45	.02	.20	.41	2.76	342.0	130.56	6.51	1.11	.12
MEAN	.012	.022	.015	.0006	.007	.013	.092	11.0	4.35	.21	.036	.004
MAX	.28	.11	.02	.02	.02	.05	.40	17	12	.45	.07	.02
MIN	0	0	0	0	0	.01	.01	5.4	.52	.07	.02	0
AC-FT	.7	1.3	.9	.04	.4	.8	5.5	678	259	13	2.2	.2

CAL YR 1974 TOTAL 57.70 MEAN .16 MAX 3.0 MIN 0 AC-FT 114
WTR YR 1975 TOTAL 485.18 MEAN 1.33 MAX 17 MIN 0 AC-FT 962

PEAK DISCHARGE (BASE, 8 cfs).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-3	1700	1.30	16	5-27	0400	1.25	13
5-16	0200	1.37	17	6-3	0300	1.22	12

NOTE.--No gage-height record Feb. 23 to May 1.

SAN JUAN RIVER BASIN

123

09378700 Cottonwood Wash near Blanding, Utah

LOCATION.--Lat 37°33'38", long 109°34'41", in SW¼NE¼NW¼ sec.23, T.37 S., R.21 E., San Juan County, on Downstream end of center pier of highway bridge on State Highway 95, about 2.1 miles (3.4 km) downstream from Brushy Basin Canyon, and 7.0 miles (11.3 km) southwest of Blanding.

DRAINAGE AREA.--205 mi² (531 km²).

PERIOD OF RECORD.--October 1964 to current year. Annual maximum only December 1958 to September 1964 at crest-stage site.

GAGE.--Water-stage recorder. Datum of gage is 5,137.73 ft (1,565.980 m) above mean sea level. Prior to October 1964, crest-stage gage only, at site 300 ft (91 m) upstream at different datum; October 1964 to July 13, 1966, at site 50 ft (15 m) upstream at different datum. July 14, 1966 to Aug. 15, 1968, at same site at different datum.

AVERAGE DISCHARGE.--11 years, 8.58 ft³/s (0.243 m³/s), 6,220 acre-ft/yr (7.67 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,830 ft³/s (51.83 m³/s) Aug. 12 (gage height, 5.80 ft or 1.768 m); no flow at times. Period of record: Maximum discharge, 20,500 ft³/s (581 m³/s) Aug. 1, 1968 (gage height, 20.68 ft or 6.303 m); no flow during some periods each year.

REMARKS.--Records poor. No regulation or diversions above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	3.0	3.0	2.5	2.0	7.0	16	33	6.3	14	.47	
2	0	3.0	3.0	2.5	2.0	7.4	14	39	4.7	11	.47	
3	0	3.0	3.0	2.5	2.0	7.4	15	49	4.7	18	.47	
4	0	3.0	3.0	2.5	2.0	7.0	16	59	4.4	16	.47	
5	0	3.0	3.0	2.5	2.0	7.0	17	51	4.0	20	.47	
6	0	3.0	3.0	2.5	2.0	7.4	18	43	4.0	23	.47	
7	0	3.0	3.0	2.5	2.0	6.3	19	40	4.0	5.6	.47	
8	0	3.0	3.0	2.5	2.0	6.3	18	40	4.0	7.8	.47	
9	0	3.0	3.0	2.5	2.0	13	17	49	4.0	7.8	.47	
10	0	3.0	3.0	2.5	2.0	10	16	49	4.0	4.4	.47	
11	0	2.3	3.0	2.5	2.0	10	17	49	4.0	6.6	.47	
12	10	2.3	3.0	2.5	2.0	10	28	49	4.0	7.8	78	
13	9.5	2.3	3.0	2.5	2.0	8.0	28	40	4.0	3.9	19	
14	0	2.3	3.0	2.5	2.0	7.0	29	34	4.0	4.4	5.0	
15	0	2.3	3.0	2.5	2.0	6.6	27	33	4.2	7.0	1.0	
16	0	2.3	3.0	2.5	2.0	6.6	33	33	4.2	15	.50	
17	0	2.3	3.0	2.5	2.0	6.6	35	33	4.4	17	.10	
18	0	2.3	3.0	2.5	2.0	6.6	29	33	5.0	5.6	0	
19	0	2.3	3.0	2.5	2.0	7.0	25	33	5.3	3.9	0	
20	0	2.3	3.0	2.5	2.0	7.4	22	34	5.3	2.3	0	
21	0	2.3	3.0	2.5	2.0	7.8	22	35	4.7	2.0	0	
22	10	2.3	3.0	2.5	2.0	8.2	27	37	5.0	2.5	0	
23	26	2.3	3.0	2.5	2.0	6.6	30	33	4.4	1.4	0	
24	22	2.3	3.0	2.5	3.0	7.0	31	26	4.2	2.3	0	
25	10	2.3	3.0	2.5	5.0	6.6	37	22	2.3	1.8	0	
26	10	2.3	3.0	2.5	7.0	8.2	48	22	3.2	2.5	0	
27	153	2.3	3.0	2.5	6.6	6.3	39	22	5.6	.58	0	
28	5.0	2.3	3.0	2.5	6.3	8.0	34	29	6.6	.58	0	
29	76	2.3	3.0	2.5	---	15	33	34	4.7	.58	0	
30	8.0	2.3	3.0	2.5	---	15	30	20	3.4	.58	0	
31	5.0	---	3.0	2.5	---	15	---	12	---	.47	0	---
TOTAL	344.5	76.0	93.0	77.5	73.9	258.3	770	1115	132.6	216.39	108.77	0
MEAN	11.1	2.53	3.00	2.50	2.64	8.33	25.7	36.0	4.42	6.98	3.51	0
MAX	153	3.0	3.0	2.5	7.0	15	48	59	6.6	23	78	0
MIN	0	2.3	3.0	2.5	2.0	6.3	14	12	2.3	.47	0	0
AC-FT	683	151	184	154	147	512	1530	2210	263	429	216	0

CAL YR 1974 TOTAL 1070.68 MEAN 2.93 MAX 153 MIN 0 AC-FT 2120
WTR YR 1975 TOTAL 3265.96 MEAN 8.95 MAX 153 MIN 0 AC-FT 6480

PEAK DISCHARGE (BASE, 900 CFS).--Oct. 27 (0800) 1,010 cfs (4.60 ft); Aug. 12 (1800) 1,830 cfs (5.80 ft).

NOTE:--No gage-height record Oct. 30 to Dec. 17, Dec. 20 to Feb. 25.

09379500 San Juan River near Bluff, Utah

LOCATION.--Lat 37°08'49", long 109°51'51", in SE 1/4 NW 1/4 sec. 7, T. 42 S., R. 19 E., San Juan County, on left bank 1,600 ft (490 m) downstream from Gypsum Creek, 1,800 ft (550 m) upstream from highway bridge, 20 miles (32 km) southwest of Bluff, at mile 113.5 (182.6 km).

DRAINAGE AREA.--23,000 mi² (60,000 km²), approximately.

PERIOD OF RECORD.--October 1914 to current year. Monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Datum of gage is 4,048 ft (1,234 m) from levels of Topographic Division, USGS. Prior to Mar. 16, 1927, chain gages at sites about 1,700 ft (520 m) downstream at different datums.

AVERAGE DISCHARGE.--61 years, 2,586 ft³/s (73.24 m³/s), 1,874,000 acre-ft/yr (2.31 km³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 11,900 ft³/s (337 m³/s) July 13 (gage height, 11.30 ft or 3.444 m); minimum daily, 370 ft³/s (10.5 m³/s) Oct. 10, 11.

1914-17, 1927-75: Maximum discharge, 70,000 ft³/s (1,980 m³/s) Sept. 10, 1927 (gage height, 32.0 ft or 9.75 m) from rating curve extended above 31,000 ft³/s (878 m³/s) and slope-area measurement at gage height 26.62 ft (8.114 m); no flow July 3-13, 1927; Aug. 24-27, 29, 1939.

Flood of Oct. 6, 1911, which is greatest known at Shiprock, N. Mex., probably exceeded that of Sept. 10, 1927 at this station but stage was not accurately determined.

REMARKS.--Records good except those for period of no gage-height record, which are fair. Diversions for irrigation of approximately 200,000 acres (80,900 km²) above station. No diversion between station and mouth of river. Flow regulated by Navajo Reservoir since June 28, 1962 (see station 09355100 in New Mexico report). Records of chemical analysis, water temperatures, and suspended-sediment loads for the water year 1975 are published in Part 2 of this report.

REVISIONS(WATER YEARS).--WSP 1213: 1940. WSP 1313: 1917, 1929. WSP 1343: 1945.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	733	1820	892	939	940	977	1090	3240	5160	6260	3610	1500
2	733	1680	851	914	940	1460	1090	3110	5220	6230	3540	1460
3	692	2740	859	900	900	3020	1100	3080	5460	6500	3430	1450
4	660	2260	859	960	850	3020	1040	3220	6360	6840	3400	1430
5	680	1570	892	1000	840	2430	1030	3510	7230	7010	3110	1440
6	680	1440	914	1000	820	2020	1050	4090	8380	7010	3110	1520
7	600	1210	947	960	800	1880	1410	3910	9050	6480	3040	1690
8	500	1180	972	1000	800	1860	1870	3290	9460	6570	2920	1620
9	450	1300	964	1000	880	2310	1770	2960	9110	6520	2870	1720
10	370	1190	964	1000	930	2880	1390	2810	8590	6960	2840	3630
11	370	1180	897	1000	930	3000	1290	3280	8290	6750	2910	2470
12	600	1100	914	950	940	3110	2500	3880	7160	7300	2930	2570
13	700	1040	914	930	960	2280	2340	5010	6040	8320	3040	5940
14	1100	1010	930	950	980	1560	2650	5460	5910	6570	2570	4250
15	1400	981	889	1000	1020	1690	3200	5680	6570	5660	2100	3220
16	1400	1020	914	1000	1040	1790	4100	6130	7360	6320	2160	2590
17	800	980	939	1000	1020	1740	3900	6650	8040	6810	2030	2310
18	720	1010	873	1000	985	1450	3900	6760	8560	7970	1960	2150
19	700	934	866	1000	934	1390	3800	6750	7590	6440	1830	2050
20	700	968	867	1000	892	1260	3500	6230	7010	5650	1750	1970
21	700	917	851	950	859	1260	3600	6000	5480	5310	1680	2000
22	700	775	843	940	851	1470	3400	5880	4790	4970	2100	1980
23	1000	843	866	1000	859	1880	3630	5540	4430	4670	2030	1900
24	1500	925	881	1000	867	1710	3800	4940	4570	4360	1900	1890
25	2380	925	897	1000	892	1400	3880	4480	4880	4260	1810	1810
26	1550	925	930	950	875	1260	4150	4220	5520	4190	1730	1760
27	1910	917	900	920	892	1280	3770	4680	5940	4200	1630	1740
28	2950	900	900	850	934	1380	3470	5540	5740	4080	1590	1710
29	4670	884	900	850	---	1240	2980	6320	5970	4020	1620	1690
30	2960	867	900	850	---	1190	3400	6290	6240	3950	1520	1670
31	2880	---	930	850	---	1140	---	5570	---	4020	1510	---
TOTAL	37788	35491	27915	29663	25430	56337	80100	148510	200110	182200	74270	65130
MEAN	1219	1183	900	957	908	1817	2670	4791	6670	5877	2396	2171
MAX	4670	2740	972	1000	1040	3110	4150	6760	9460	8320	3610	5940
MIN	370	775	843	850	800	977	1030	2810	4430	3950	1510	1430
AC-FT	74950	70400	55370	58840	50440	111700	158900	294600	396900	361400	147300	129200
CAL YR 1974	TOTAL	432919	MEAN	1186	MAX	4670	MIN	190	AC-FT	858700		
WTR YR 1975	TOTAL	962944	MEAN	2638	MAX	9460	MIN	370	AC-FT	1910000		

PEAK DISCHARGE (BASE 8,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-8	0400	10.49	9,530	7-13	0400	11.30	11,900
6-18	0700	10.04	8,600	7-18	0700	9.78	9,070

NOTE.--No gage-height record Oct. 4 to Nov. 5, Jan. 4 to Feb. 17.

09379900 Lake Powell at Glen Canyon Dam, Ariz.

LOCATION.--Lat 36°56'12", long 111°29'00", in sec.24, T.41 N., R.8 E., Coconino County, at Glen Canyon Dam on Colorado River, 900 ft (270 m) upstream from bridge on U.S. Highway 89, 1.4 mi (2.3 km) downstream from Wahweap Creek, 2 mi (3 km) northwest of Page, and 12 mi (19 km) downstream from Utah-Arizona State line.

DRAINAGE AREA.--107,700 mi² (278,900 km²), approximately.

PERIOD OF RECORD.--March 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to Sept. 1, 1964, nonrecording gage at same site and datum.

EXTREMES (at 2400).--Current year: Maximum contents, 21,177,000 acre-ft (26,100 hm³) July 25 (elevation, 3,674.93 ft or 1,120.119 m); minimum, 17,199,000 acre-ft (21,200 hm³) Feb. 28 (elevation, 3,645.34 ft or 1,111.100 m).

Period of record: Maximum contents, 21,177,000 acre-ft (26,100 hm³) July 25, 1975 (elevation, 3,674.93 ft or 1,120.119 m); minimum since power pool level was reached (Aug. 16, 1964), 4,166,000 acre-ft (5,140 hm³) Mar. 18, 1965 (elevation, 3,490.76 ft or 1,063.984 m).

REMARKS.--Reservoir is formed by concrete-arch gravity dam; storage began Mar. 13, 1963; dam completed September 1963. Total capacity, 27,000,000 acre-ft (33,300 hm³), consisting of the following: dead storage, 1,998,000 acre-ft (2,460 hm³) below elevation 3,370 ft (1,027 m)--sill of outlet gates; usable contents, 25,002,000 acre-ft (30,800 hm³) between elevations 3,370 ft (1,027 m) and 3,700 ft (1,128 m)--top of conservation pool. Reservoir is used for power development, to provide storage replacement for upstream irrigation development, and to meet downstream requirements under the Colorado River Compact of 1922. Figures given herein represent usable contents; prior to Oct. 1, 1968, figures of total contents were published (prior to sealing of diversion tunnel July 7, 1965, all storage was usable).

COOPERATION.--Records furnished by Bureau of Reclamation.

Capacity table (elevation, in feet,
and usable contents, in acre-feet)

3,645	17,157,000	3,660	19,099,000
3,650	17,789,000	3,665	19,779,000
3,655	18,436,000	3,675	21,187,000

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 2400, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18,003	17,881	17,722	17,554	17,283	17,208	17,292	17,513	18,558	20,366	21,164	20,724
2	17,996	17,873	17,722	17,540	17,274	17,214	17,289	17,514	18,601	20,413	21,166	20,697
3	17,985	17,861	17,718	17,517	17,278	17,223	17,289	17,528	18,643	20,446	21,168	20,678
4	17,973	17,853	17,708	17,499	17,277	17,229	17,291	17,550	18,677	20,501	21,164	20,645
5	17,960	17,844	17,704	17,482	17,271	17,237	17,297	17,544	18,715	20,560	21,141	20,617
6	17,948	17,839	17,695	17,462	17,268	17,243	17,312	17,547	18,771	20,607	21,131	20,592
7	17,939	17,838	17,702	17,443	17,268	17,253	17,299	17,547	18,835	20,665	21,109	20,581
8	17,937	17,835	17,701	17,415	17,269	17,258	17,297	17,549	18,922	20,696	21,086	20,561
9	17,933	17,832	17,702	17,401	17,273	17,272	17,302	17,545	19,005	20,745	21,067	20,533
10	17,946	17,836	17,698	17,373	17,256	17,282	17,301	17,549	19,094	20,786	21,047	20,508
11	17,940	17,831	17,683	17,347	17,259	17,278	17,304	17,549	19,179	20,837	21,021	20,498
12	17,939	17,816	17,683	17,322	17,259	17,282	17,307	17,565	19,259	20,896	21,011	20,472
13	17,936	17,816	17,672	17,296	17,262	17,282	17,313	17,572	19,327	20,942	21,000	20,479
14	17,930	17,816	17,666	17,286	17,268	17,278	17,316	17,600	19,388	20,985	20,982	20,468
15	17,916	17,807	17,666	17,277	17,269	17,264	17,316	17,622	19,433	21,018	20,969	20,478
16	17,904	17,808	17,653	17,272	17,282	17,261	17,319	17,657	19,486	21,046	20,966	20,465
17	17,893	17,818	17,641	17,261	17,277	17,254	17,314	17,692	19,545	21,067	20,956	20,451
18	17,893	17,809	17,625	17,260	17,271	17,256	17,319	17,742	19,649	21,092	20,934	20,444
19	17,893	17,808	17,626	17,277	17,254	17,254	17,329	17,786	19,734	21,116	20,919	20,427
20	17,896	17,798	17,613	17,276	17,239	17,256	17,346	17,853	19,810	21,139	20,906	20,401
21	17,891	17,789	17,611	17,269	17,228	17,262	17,353	17,909	19,915	21,161	20,898	20,379
22	17,875	17,777	17,626	17,257	17,216	17,273	17,356	17,985	19,972	21,161	20,883	20,352
23	17,860	17,772	17,620	17,249	17,219	17,279	17,368	18,061	20,020	21,171	20,869	20,326
24	17,856	17,760	17,618	17,242	17,215	17,291	17,382	18,134	20,052	21,171	20,866	20,301
25	17,856	17,768	17,624	17,247	17,211	17,317	17,399	18,210	20,082	21,177	20,847	20,275
26	17,868	17,749	17,604	17,256	17,206	17,297	17,423	18,273	20,122	21,172	20,837	20,251
27	17,872	17,734	17,597	17,253	17,201	17,292	17,450	18,313	20,163	21,165	20,819	20,246
28	17,872	17,740	17,589	17,251	17,199	17,287	17,483	18,356	20,225	21,155	20,793	20,246
29	17,893	17,767	17,584	17,251	-----	17,268	17,493	18,414	20,275	21,165	20,771	20,228
30	17,879	17,760	17,579	17,246	-----	17,293	17,509	18,465	20,320	21,162	20,757	20,202
31	17,860	-----	17,568	17,254	-----	17,294	-----	18,515	-----	21,159	20,741	-----
1974	18,003	17,881	17,722	17,554	17,282	17,317	17,509	18,515	20,320	21,177	21,168	20,724
1975	17,856	17,760	17,568	17,242	17,199	17,208	17,289	17,513	18,558	20,366	20,741	20,202
(†)	3,650.71	3,649.46	3,648.27	3,645.78	3,645.34	3,646.10	3,647.81	3,655.60	3,668.90	3,674.81	3,671.89	3,668.06
(‡)	-130,000	-160,000	-152,000	-314,000	-55,000	+95,000	+215,000	+1,006,000	+1,805,000	+839,000	-418,000	-539,000

CAL YR 1974 ‡ -73,000

YR 1975 ‡ +2,192,000

† Elevation, in feet, at end of month.

‡ Change in contents, in acre-feet.

NOTE.--All figures of contents expressed in thousands.

09380000 Colorado River at Lees Ferry, Ariz.

LOCATION.--Lat 36°51'53", long 111°35'15", in NE¼SE¼ sec.13, T.40 N., R.7 E., Coconino County, in Navajo Indian Reservation, on left bank at head of Marble Gorge at Lees Ferry, just upstream from Paria River, 16 mi (26 km) downstream from Glen Canyon Dam, 28 mi (45 km) downstream from Utah-Arizona State line, and 61.5 mi (99.0 km) upstream from Little Colorado River.

DRAINAGE AREA.--107,900 mi² (279,500 km²), approximately.

PERIOD OF RECORD.--January 1895 to current year. Calendar year estimates and monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Datum of gage is 3,106.16 ft (946.758 m) above mean sea level. Prior to Jan. 19, 1923, nonrecording gages or reference points within 400 ft (120 m) of present gage, at different datums.

AVERAGE DISCHARGE.--51 years, corrected, (1911-62), 17,850 ft³/s (505.5 m³/s), 12,923,000 acre-ft/yr (15,900 hm³/yr); 11 years (1964-75), 12,280 ft³/s (347.8 m³/s), 8,897,000 acre-ft/yr (10,970 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 28,400 ft³/s (804 m³/s) May 7 (gage height, 11.79 ft or 3.594 m); minimum daily discharge, 2,010 ft³/s (56.9 m³/s) Feb. 2.

Period of record: Maximum discharge, 220,000 ft³/s (6,230 m³/s) June 18, 1921 (gage height, 26.5 ft or 8.08 m, from floodmarks), from rating curve extended above 120,000 ft³/s (3,400 m³/s) on basis of discharge computed for station near Grand Canyon; minimum daily, 700 ft³/s (19.8 m³/s) Jan. 23, 24, 1963.

Maximum discharge since at least 1868, about 300,000 ft³/s (8,500 m³/s) July 7, 1884 (gage height, 31.5 ft or 9.60 m, present site and datum, from floodmark at mouth of Paria River), from rating curve extended above 120,000 ft³/s (3,400 m³/s) on basis of discharge computed for flood of June 18, 1921, for station near Grand Canyon.

REMARKS.--Records excellent above 8,000 cfs and good below. Flow completely regulated by Lake Powell 16 mi (26 km) upstream since Mar. 13, 1963. Many diversions above station for irrigation, municipal, and industrial use. Records of chemical analyses, water temperatures, and suspended-sediment loads for the current water year are published on following pages.

REVISIONS (WATER YEARS).--WSP 859: 1921-23. WSP 1313: 1914-21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9,630	14,400	5,800	8,570	4,530	5,820	9,180	16,700	16,300	19,900	15,300	16,000
2	8,230	13,500	10,100	13,600	2,010	5,480	9,600	15,800	14,900	20,000	13,800	18,900
3	9,130	9,520	9,100	16,700	6,250	8,410	6,840	12,000	16,800	21,000	14,000	17,700
4	10,400	15,800	10,400	16,700	9,990	7,860	5,070	10,400	20,200	17,200	16,400	19,200
5	8,160	14,900	8,980	14,300	11,300	8,670	3,560	17,300	21,400	18,700	21,400	18,600
6	6,290	18,900	12,200	15,200	8,330	8,310	5,180	17,800	21,500	18,900	22,000	15,900
7	9,070	17,600	7,560	16,200	7,800	5,550	7,520	21,200	18,100	20,200	21,800	14,300
8	8,930	15,900	4,690	19,500	7,100	2,960	7,970	19,700	17,000	23,100	23,200	19,400
9	9,190	14,200	8,750	18,400	7,170	2,900	6,520	16,900	16,200	21,800	21,400	19,700
10	9,640	8,530	7,680	19,700	11,200	10,800	8,160	13,500	16,100	21,200	21,300	19,500
11	9,470	11,700	14,300	22,800	10,700	11,100	9,090	12,600	16,400	19,800	21,400	18,500
12	6,800	10,900	10,400	20,200	10,000	11,200	7,730	15,600	15,900	18,800	16,800	16,800
13	5,340	10,100	10,400	21,500	5,900	13,200	6,230	14,800	18,300	12,200	15,300	10,400
14	10,500	10,400	8,870	13,400	7,670	13,600	8,990	14,600	17,100	18,800	15,600	6,860
15	14,100	9,590	8,100	12,600	8,850	12,200	8,970	14,900	16,100	19,100	15,600	11,200
16	13,900	8,230	13,100	8,660	8,270	11,400	8,310	15,100	18,600	20,800	13,900	15,500
17	10,500	4,410	12,700	10,600	9,160	14,600	7,730	12,900	17,200	19,400	12,700	15,100
18	10,000	10,700	11,700	6,040	13,800	11,600	7,430	10,800	13,300	21,100	15,900	16,100
19	6,270	11,700	10,400	2,480	15,900	9,980	6,880	15,500	9,950	21,400	17,500	14,800
20	5,680	13,000	10,600	8,230	17,400	8,800	6,090	12,100	12,400	19,100	16,300	19,100
21	12,200	12,500	6,630	11,600	16,800	5,390	7,540	12,100	14,300	21,800	14,000	16,400
22	13,500	12,100	4,070	15,300	13,700	3,450	7,330	13,200	11,100	18,100	13,100	20,900
23	14,900	10,700	10,000	10,600	7,440	2,330	8,750	13,900	15,200	22,800	13,900	19,000
24	13,500	5,100	10,300	9,290	10,500	2,680	6,460	11,400	20,100	21,600	12,900	19,900
25	10,700	13,400	3,760	6,360	11,900	5,570	6,430	9,650	20,300	19,000	13,900	21,400
26	6,910	17,900	8,970	2,970	13,100	9,220	6,480	11,600	18,700	19,300	14,800	15,700
27	4,190	16,000	10,300	10,400	12,500	14,200	6,300	16,900	17,500	20,600	16,400	12,200
28	10,300	5,280	9,320	9,160	10,900	11,200	10,100	17,600	13,600	20,700	16,900	8,920
29	10,700	10,000	5,060	8,620	-----	5,750	12,400	15,100	15,400	22,400	20,400	14,500
30	13,200	11,100	8,670	10,000	-----	4,110	12,500	14,400	17,800	18,400	13,400	14,700
31	12,400	-----	11,500	7,640	-----	7,580	-----	13,700	-----	18,300	13,700	-----
TOTAL	303,730	358,060	284,410	387,320	280,170	255,920	231,340	449,750	497,750	615,500	515,000	487,180
MEAN	9,798	11,940	9,175	12,490	10,010	8,255	7,711	14,510	16,590	19,850	16,610	16,240
MAX	14,900	18,900	14,300	22,800	17,400	14,600	12,500	21,200	21,500	23,100	23,200	21,400
MIN	4,190	4,410	3,760	2,480	2,010	2,330	3,560	9,650	9,950	12,200	12,700	6,860
AC-FT	602,400	710,200	564,100	768,200	555,700	507,600	458,900	892,100	987,300	1,221M	1,022M	966,300
CAL YR 1974	TOTAL 4,480,770			MEAN 12,280		MAX 25,000		MIN 1,410		AC-FT 8,888,000		
WTR YR 1975	TOTAL 4,666,130			MEAN 12,780		MAX 23,200		MIN 2,010		AC-FT 9,255,000		

09382000 Paria River at Lees Ferry, Ariz.

LOCATION.--Lat 36°52'20", long 111°35'38", in NW¼NE¼ sec.13, T.40 N., R.7 E., Coconino County, on left bank 0.6 mi (1.0 km) north-west of Lees Ferry, and 1.1 mi (1.8 km) upstream from mouth.

DRAINAGE AREA.--1,410 mi² (3,652 km²).

PERIOD OF RECORD.--October 1923 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,123.40 ft (952.012 m) above mean sea level. Prior to Oct. 5, 1925, nonrecording gage at site 2,000 ft (610 m) upstream at different datum. Oct. 13, 1925, to Sept. 11, 1929, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--52 years, 29.7 ft³/s (0.841 m³/s), 21,520 acre-ft/yr (26.5 hm³/yr); median of yearly mean discharges, 26 ft³/s (0.74 m³/s), 18,800 acre-ft/yr (23 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 3,680 ft³/s (104 m³/s) July 30 (gage height, 12.37 ft or 3.770 m); minimum daily, 3.6 ft³/s (0.102 m³/s) June 25, 29, July 2.

Period of record: Maximum discharge, 16,100 ft³/s (456 m³/s) Oct. 5, 1925, from rating curve extended above 2,000 ft³/s (57 m³/s) on basis of float-area measurement of peak flow (previously published maximum for Sept. 12, 1958, is too high); maximum gage height, 16.35 ft (4.983 m) Sept. 1, 1963; minimum daily discharge, 1 ft³/s (0.03 m³/s) in most years prior to 1931.

REMARKS.--Records fair. Diversions above station for irrigation of about 3,300 acres (13.4 km²). Records of water temperatures and suspended-sediment loads for the current water year are published on following pages.

REVISIONS (WATER YEARS).--WSP 1925: 1958(M), drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	32	18	11	26	77	27	12	4.6	3.8	37	4.8
2	6.0	37	18	11	25	57	36	13	4.5	3.6	17	4.8
3	6.5	200	18	10	23	32	25	14	4.8	3.8	13	4.5
4	163	122	19	7.4	23	35	25	13	5.0	4.2	9.4	4.5
5	30	54	24	10	27	25	22	14	5.0	3.9	7.0	4.8
6	14	37	26	8.6	23	34	20	14	5.0	3.8	8.6	4.5
7	11	31	20	9.8	23	40	18	12	5.0	3.8	7.0	4.8
8	10	31	18	19	26	35	14	11	5.0	3.8	5.8	9.5
9	60	43	16	20	28	35	14	9.0	5.2	3.8	5.8	58
10	23	35	17	14	35	34	15	7.8	4.8	8.5	5.8	271
11	16	29	16	11	55	64	20	5.5	4.8	163	6.8	189
12	11	28	17	7.8	34	26	55	5.5	4.5	88	7.8	362
13	10	26	21	8.6	27	26	33	4.8	4.8	232	41	55
14	9.8	26	20	11	26	26	21	4.6	4.5	140	30	52
15	9.8	26	17	9.0	40	33	27	4.4	4.5	20	15	17
16	9.4	25	16	13	45	32	24	4.5	4.2	10	11	9.4
17	9.0	24	26	14	33	37	25	5.2	4.2	7.0	9.4	9.4
18	8.6	22	18	15	25	28	28	6.8	4.5	5.5	5.8	7.0
19	5.0	22	17	16	18	23	23	7.4	4.5	5.2	5.8	4.4
20	9.4	21	16	17	18	30	18	6.8	4.2	5.2	5.2	4.8
21	7.8	20	19	18	21	38	19	6.8	4.2	5.2	34	5.0
22	7.8	21	20	16	11	38	19	6.5	4.2	5.2	215	5.2
23	17	20	19	16	8.0	39	20	5.8	4.0	4.8	46	5.2
24	57	20	11	17	19	24	18	6.0	3.8	4.8	16	5.2
25	20	20	11	24	33	24	18	5.0	3.6	5.2	9.8	5.2
26	10	20	13	39	42	48	18	4.8	3.8	5.2	7.8	5.2
27	74	18	13	53	44	55	19	5.0	4.0	5.2	4.4	5.2
28	88	18	11	39	49	40	18	5.0	3.8	5.2	4.4	5.2
29	295	18	11	26	-----	25	14	4.9	3.6	71	5.2	5.2
30	110	18	15	18	-----	16	12	4.8	3.8	450	5.2	5.5
31	55	-----	18	23	-----	21	-----	4.7	-----	63	4.8	-----
TOTAL	1,172.9	1,124	539	532.2	807.0	1,097	665	234.6	132.4	1,343.7	606.8	1,133.3
MEAN	37.8	37.5	17.4	17.2	25.8	35.4	22.2	7.57	4.41	43.3	19.6	37.8
MAX	295	200	26	53	55	77	55	14	5.2	450	215	362
MIN	5.8	18	11	7.4	8.0	16	12	4.4	3.6	3.6	4.4	4.4
AC-FT	2,330	2,230	1,070	1,060	1,600	2,180	1,320	465	263	2,670	1,200	2,250
CAL YR 1974	TOTAL 6,051.8 MEAN 18.8 MAX 295 MIN 3.0 AC-FT 13,590											
WTR YR 1975	TOTAL 9,387.9 MEAN 25.7 MAX 450 MIN 3.6 AC-FT 18,620											

PEAK DISCHARGE (BASE, 1,400 CFS)

Date	Time	G.H.	Discharge	Date	Time	G.H.	Discharge
7-30	0030	12.37	3,680	9-12	0300	10.70	1,990
9-10	1730	10.15	1,610				

VIRGIN RIVER BASIN

09404450 East Fork Virgin River near Glendale, Utah

LOCATION.--Lat 37°20'19", long 112°36'13", in SE 1/4 sec. 14, T.40 S., R.7 W., Kane County, on right bank 50 ft (15 m) downstream from Lydia's Creek, and 1.5 miles (2.4 km) north of the town of Glendale on U.S. Highway 89.

DRAINAGE AREA.--74 mi² (192 km²), approximately.

PERIOD OF RECORD.--October 1966 to current year.

AVERAGE DISCHARGE.--9 years, 18.9 ft³/s (0.535 m³/s), 13,690 acre-ft/yr (16.9 hm³/yr).

GAGE.--Water-stage recorder. Altitude of gage is 5,900 ft (1,798 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 58 ft³/s (1.64 m³/s) Oct. 28 (gage height, 1.14 ft or 0.347 m); minimum, 8.3 ft³/s (0.24 m³/s) for several days in Aug. and Sept.

Period of record: Maximum discharge, 635 ft³/s (18.0 m³/s) Sept. 7, 1967 (gage height, 4.05 ft or 1.234 m); minimum, 6.7 ft³/s (0.19 m³/s) Feb. 27, 1971.

REMARKS.--Records good. A few small diversions above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	19	15	14	15	29	19	16	14	11	10	8.5
2	9.7	19	15	14	14	27	18	16	14	11	9.6	8.5
3	11	18	15	14	14	25	19	15	14	11	9.7	8.5
4	11	17	16	14	14	23	22	15	14	11	9.6	8.7
5	11	16	16	14	15	21	25	15	14	11	9.7	8.6
6	11	16	16	14	13	20	24	15	13	11	9.6	8.6
7	11	17	16	15	14	22	20	16	14	11	9.4	8.6
8	11	17	15	15	16	24	18	16	14	11	9.3	8.5
9	12	16	15	15	15	22	18	15	13	11	9.2	9.3
10	12	16	15	15	16	20	18	15	13	11	9.3	12
11	12	16	15	15	15	19	20	15	12	10	9.7	11
12	12	16	16	15	15	18	20	15	12	11	9.6	11
13	12	16	15	15	15	17	21	14	12	12	9.5	11
14	12	16	15	15	15	18	22	14	12	12	9.3	11
15	12	16	15	15	16	17	22	14	12	11	9.4	11
16	12	16	16	15	14	18	27	17	12	11	9.2	10
17	12	16	15	15	15	17	21	17	12	11	9.1	11
18	12	16	15	16	13	18	19	18	12	10	9.0	11
19	12	16	15	15	14	23	20	17	12	10	8.9	11
20	12	16	15	15	15	25	22	17	12	10	9.1	10
21	13	16	15	15	15	26	23	22	12	10	10	10
22	13	16	15	14	17	23	22	21	12	10	10	11
23	13	16	14	15	15	20	21	20	12	10	9.4	11
24	13	16	13	16	16	20	20	18	12	10	9.3	11
25	13	16	13	16	17	23	20	17	11	10	8.9	10
26	17	15	14	16	19	21	19	17	11	10	8.7	10
27	17	15	14	16	22	18	18	17	11	9.9	8.7	10
28	27	15	14	15	24	18	18	16	11	9.8	8.7	11
29	20	15	15	14	---	18	17	15	11	12	8.7	11
30	17	15	15	15	---	19	17	15	11	12	8.7	11
31	18	---	14	15	---	20	---	15	---	11	8.6	---
TOTAL	410.1	486	462	462	438	649	610	505	371	332.7	287.9	303.8
MEAN	13.2	16.2	14.9	14.9	15.6	20.9	20.3	16.3	12.4	10.7	9.29	10.1
MAX	27	19	16	16	24	29	27	22	14	12	10	12
MIN	9.4	15	13	14	13	17	17	14	11	9.8	8.6	8.5
AC-FT	813	964	916	916	869	1290	1210	1000	736	660	571	603

CAL YR 1974 TOTAL 5064.5 MEAN 13.9 MAX 31 MIN 7.6 AC-FT 10050
WTR YR 1975 TOTAL 5317.5 MEAN 14.6 MAX 29 MIN 8.5 AC-FT 10550

PEAK DISCHARGE (BASE, 50 CFS).--Oct. 28 (1900) 58 cfs (1.14 ft); Mar. 1 (1900) 50 cfs (1.00 ft).

VIRGIN RIVER BASIN

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09405400 North Fork Virgin River near Glendale, Utah

LOCATION.--Lat 37°28'22", long 112°46'40", in SW¼SE¼ sec.30, T.38 S., R.8 W., Kane County, on right bank 700 ft (213 m) above diversion ditch, 3.4 miles (5.5 km) south of Navajo Lake, 14.7 road miles (23.7 km) from Navajo Lake turnoff at U-14 and 14 miles (23 km) north-east of Glendale.

DRAINAGE AREA.--5.65 mi² (14.63 km²).

PERIOD OF RECORD.--Dec. 1, 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,530 ft (2,295 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 15 ft³/s (0.42 m³/s) July 29 (gage height, 2.40 ft or 0.732 m); minimum daily discharge, 0.80 ft³/s (0.023 m³/s) Oct. 1.
Period of record: Maximum daily discharge, 30 ft³/s (0.85 m³/s) May 26, 1973; minimum daily discharge, 0.58 ft³/s (0.016 m³/s) Sept. 2, 1974.

REMARKS.--Records poor prior to May 19 and fair thereafter. No diversions or regulation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.80	3.2	2.8	2.6	3.2	5.3	4.2	5.7	4.6	5.9	7.6	5.9
2	.88	3.2	2.7	2.6	3.2	5.0	4.3	5.8	4.6	5.8	7.6	5.7
3	1.2	3.2	2.6	2.6	3.2	4.8	4.3	5.6	4.6	6.0	7.6	5.6
4	1.1	3.2	2.7	2.6	3.2	4.5	4.1	5.4	4.6	5.9	7.2	5.6
5	1.2	3.0	2.7	2.6	3.2	4.4	5.8	4.9	4.7	5.9	7.8	5.5
6	1.2	3.0	2.6	2.6	3.7	4.5	5.2	4.8	4.7	6.1	8.0	5.4
7	1.1	3.1	2.5	2.6	3.4	4.5	4.8	4.8	4.8	6.0	8.1	5.4
8	1.1	3.1	2.4	2.7	3.3	4.3	4.8	4.8	4.8	5.9	7.6	5.5
9	1.0	3.1	2.4	2.7	3.4	4.6	4.8	5.1	4.7	6.1	7.5	5.6
10	1.0	3.0	2.5	2.6	3.5	4.4	4.8	5.2	4.8	5.9	7.5	5.5
11	1.6	3.0	2.5	2.6	3.3	4.6	4.4	5.1	5.0	6.2	7.6	5.2
12	1.8	3.2	2.5	2.6	3.2	4.4	4.7	5.1	5.2	6.0	7.6	5.2
13	1.8	3.4	2.5	2.7	3.2	4.2	6.1	5.0	5.2	6.1	7.5	5.6
14	1.8	3.3	2.6	2.8	3.2	4.0	4.9	4.9	5.5	6.3	7.5	5.3
15	1.9	3.1	2.6	2.8	3.4	4.1	4.0	4.8	6.0	6.6	7.5	5.0
16	1.9	3.0	2.6	2.9	3.3	4.3	3.9	5.4	8.0	6.3	7.7	4.6
17	1.9	3.0	2.7	2.9	3.2	4.0	3.9	6.4	8.0	6.3	7.6	4.1
18	1.9	2.9	2.7	2.9	3.1	3.9	4.0	7.0	8.3	6.2	7.4	3.7
19	1.9	2.9	2.7	2.9	3.3	4.1	3.9	7.4	8.0	6.2	6.8	3.5
20	1.9	2.8	2.6	2.9	3.5	3.6	5.0	8.5	7.7	5.9	7.3	3.2
21	1.9	2.8	2.6	3.0	3.4	3.6	6.2	5.5	7.3	6.1	8.3	3.0
22	2.0	3.0	2.5	2.8	3.2	3.5	7.3	4.9	7.0	6.3	7.5	2.8
23	2.2	2.9	2.5	2.9	3.2	3.7	7.8	4.4	6.8	6.3	7.0	2.6
24	2.1	2.8	2.5	3.1	3.4	3.8	7.4	4.4	6.6	6.3	6.6	2.6
25	2.0	2.8	2.5	3.2	3.6	3.7	7.5	4.4	6.4	6.4	6.5	2.5
26	3.2	2.7	2.4	3.2	3.8	3.5	7.0	4.8	6.3	6.3	6.3	2.3
27	3.2	2.6	2.5	3.2	4.0	3.5	6.0	4.7	6.2	6.6	6.2	2.3
28	3.2	2.6	2.6	3.0	4.6	4.6	5.7	4.6	6.1	6.6	6.2	2.1
29	3.2	2.6	2.7	3.1	---	5.9	5.7	4.6	6.0	10	6.2	2.1
30	3.1	2.8	2.7	3.2	---	4.6	5.7	4.6	5.9	8.4	6.4	2.0
31	3.2	---	2.7	3.2	---	4.4	---	4.7	---	7.8	6.2	---
TOTAL	58.28	89.3	80.1	88.1	95.2	132.3	158.2	163.3	178.4	198.7	224.4	125.4
MEAN	1.88	2.98	2.58	2.84	3.40	4.27	5.27	5.95	6.41	7.24	7.24	4.18
MAX	3.2	3.4	2.8	3.2	4.6	5.9	7.8	8.5	8.3	10	8.3	5.9
MIN	.80	2.6	2.4	2.6	3.1	3.5	3.9	4.4	4.6	5.8	6.2	2.0
AC-FT	116	177	159	175	189	262	314	324	354	394	445	249

CAL YR 1974 TOTAL 989.30 MEAN 2.71 MAX 5.4 MIN .58 AC-FT 1960
WTR YR 1975 TOTAL 1591.68 MEAN 4.36 MAX 10 MIN .80 AC-FT 3160

PEAK DISCHARGE (BASE, 18 CFS).--No peaks above base.

NOTE.--No gage-height record Oct. 27 to Dec. 4, Jan. 10 to Mar. 20, and Apr. 4 to May 19.

VIRGIN RIVER BASIN

09405420 North Fork Virgin River below Bullock Canyon near Glendale, Utah

LOCATION.--Lat 37°25'06", long 112°47'59", in SW¼NW¼SE¼ sec. 13, T.39 S., R.9 W., Kane County, on left bank 200 ft (61 m) below Bullock Canyon, 7.5 miles (12.1 km) south of Navajo Lake, 19 road miles (31 km) from Navajo Lake turnoff at U-14 and 10 miles (16 km) northeast of Glendale.

DRAINAGE AREA.--35.7 mi² (92.5 km²), approximately.

PERIOD OF RECORD.--Oct. 1, 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage, 6,420 ft (1,957 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 178 ft³/s (5.04 m³/s) July 13 (gage height, 5.60 ft or 1.707 m from high water mark); minimum discharge, 5.5 ft³/s (0.16 m³/s) Oct. 1.

Maximum discharge determined, before station was installed, 1,740 ft³/s (49.3 m³/s) Sept. 9, 1974 on the basis of a slope-area measurement at gage height 7.44 ft (2.27 m) from high water marks.

REMARKS.--Records good except for periods of no gage-height record which are poor.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	10	9.1	8.9	9.3	21	12	19	18	16	13	9.8
2	5.7	10	8.8	8.8	11	19	11	19	18	16	13	9.7
3	7.3	10	8.6	8.8	11	18	12	19	18	16	13	9.7
4	6.5	10	9.0	8.8	11	16	14	17	18	16	13	9.7
5	6.1	9.7	9.2	8.9	11	15	20	16	18	15	13	9.6
6	6.1	9.6	8.7	8.8	13	16	17	16	19	15	13	9.6
7	6.1	9.9	8.5	9.0	11	15	16	16	19	15	13	9.6
8	6.1	10	8.0	9.2	11	15	16	16	18	16	12	9.7
9	6.4	9.9	8.3	9.3	12	16	16	17	19	15	12	11
10	6.5	9.8	8.6	9.4	12	15	16	17	19	15	12	10
11	6.4	9.9	8.8	9.3	11	16	14	17	19	15	12	9.3
12	6.1	10	8.9	9.3	11	15	17	17	19	14	12	9.2
13	6.1	11	8.9	9.3	11	14	21	17	19	17	12	11
14	6.1	10	9.1	9.4	11	14	14	16	19	16	12	11
15	6.1	10	9.3	9.7	12	14	13	16	20	15	12	10
16	6.1	9.8	9.4	9.8	11	15	13	18	20	14	12	9.7
17	6.1	9.7	9.0	9.8	11	13	13	18	19	14	12	9.0
18	6.1	9.6	9.2	10	11	14	13	19	19	14	12	8.6
19	6.1	9.4	9.0	10	12	16	13	18	19	14	12	8.5
20	6.2	9.3	8.9	10	12	13	18	22	20	14	13	8.0
21	6.3	9.4	9.1	10	12	13	22	22	19	14	12	7.7
22	6.6	9.9	9.0	9.6	11	12	26	23	18	14	11	7.6
23	6.9	9.3	9.4	10	11	12	25	23	18	14	11	7.4
24	7.0	9.2	9.2	11	12	13	25	22	18	14	11	7.2
25	6.9	9.1	9.1	11	13	12	25	20	18	14	11	7.1
26	9.2	8.8	9.1	11	13	12	21	20	17	14	10	7.1
27	9.1	8.7	9.2	11	15	11	19	20	17	14	10	6.9
28	10	8.6	9.4	10	19	11	19	18	17	15	10	6.9
29	10	8.8	9.2	11	---	11	19	18	17	17	10	6.9
30	9.7	9.2	9.2	11	---	12	19	18	17	15	10	6.8
31	10	---	9.2	11	---	12	---	18	---	14	10	---
TOTAL	215.5	288.6	278.4	303.1	331.3	441	519	572	553	461	364	264.3
MEAN	6.95	9.62	8.98	9.78	11.8	14.2	17.3	18.5	18.4	14.9	11.7	8.81
MAX	10	11	9.4	11	19	21	26	23	20	17	13	11
MIN	5.6	8.6	8.0	8.8	9.3	11	11	16	17	14	10	6.8
AC-FT	427	572	552	601	657	875	1030	1130	1100	914	722	524

WTR YR 1975 TOTAL 4591.2 MEAN 12.6 MAX 26 MIN 5.6 AC-FT 9110

PEAK DISCHARGE (BASE, 30 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
3-1	1700	4.73	34	4-22	2000	4.88	42
4-5	2000	4.68	31	7-13	2100	5.60	178

NOTE.--No gage-height record Aug. 1 to Sept. 8.

09405500 North Fork Virgin River near Springdale, Utah

LOCATION.--Lat°37 12'35", long 112°58'40", in SW¼NW¼ sec.22, T.41 S., R.10 W., Washington County, on right bank in Zion National Park, 0.2 mile (0.3 km) downstream from point of diversion of Springdale Canal, 0.5 mile (0.8 km) downstream from Pine Creek, and 1.9 miles (3.1 km) northeast of Springdale.

DRAINAGE AREA.--350 mi² (906 km²), approximately.

PERIOD OF RECORD.--May 1913 to June 1914, June to November 1923, April to June, August and September 1925 (fragmentary), October 1925 to current year. Published as Zion Creek near Springdale 1913-14 (flow of Springdale Canal not included) and as Mukuntuweap River near Springdale 1923, 1925-32.

GAGE.--Water-stage recorder. Altitude of gage is 3,970 ft (1,210 m) from topographic map. May 13, 1913 to June 30, 1914, nonrecording gage at site 3.2 miles (5.1 km) downstream at different datum. June 6, 1923 to Dec. 14, 1949, nonrecording gages at several sites within 0.8 mile (1.3 km) of present site at various datums.

AVERAGE DISCHARGE.--50 years, 99.2 ft³/s (2.809 m³/s), 71,870 acre-ft/yr (88.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 4,140 ft³/s (117 m³/s) July 29 (gage height, 8.95 ft or 2.728 m from highwater mark); minimum, 30 ft³/s (0.85 m³/s) several days in September.

Period of record: Maximum discharge, 9,150 ft³/s (259 m³/s) Dec. 6, 1966, from rating curve extended above 2,000 ft³/s (56.6 m³/s) on the basis of a drift measurement at gage height 6.71 ft (2.045 m), a slope-area measurement at gage height 10.25 ft (3.124 m); minimum observed, 20 ft³/s (0.57 m³/s) July 31, 1963.

REMARKS.--Records good, except those for period of no gage-height record. Figures given herein include Springdale Canal, which diverts water in NW¼NW¼ sec.22, T.41 S., R.10 W., for irrigation in vicinity of Springdale. Diversion above station for irrigation of about 1,400 acres (570 ha).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	60	37	43	50	78	63	137	277	69	83	64
2	36	43	36	51	48	87	50	128	257	64	80	61
3	33	40	36	46	47	71	55	175	247	66	77	59
4	33	40	47	44	52	61	62	202	225	69	76	55
5	33	43	52	43	54	72	69	125	206	69	78	53
6	32	40	41	40	52	119	82	99	186	67	75	53
7	36	39	37	41	52	76	58	92	182	64	70	54
8	35	43	34	44	52	71	57	111	167	62	67	55
9	34	41	32	46	54	69	59	187	157	62	64	75
10	35	39	32	48	55	81	56	238	145	60	61	69
11	34	39	38	46	53	69	57	271	137	56	60	62
12	34	40	41	44	52	59	59	279	133	54	60	61
13	36	38	45	41	52	55	59	284	127	53	59	44
14	36	40	36	40	53	62	67	323	125	52	59	47
15	36	44	33	41	71	53	62	336	123	56	63	44
16	36	44	36	43	63	62	82	331	114	60	63	39
17	36	42	43	44	65	58	67	283	107	62	62	37
18	35	43	43	45	62	57	62	271	106	58	61	35
19	34	38	40	44	61	62	63	314	106	52	62	33
20	38	42	37	44	59	69	70	398	102	45	90	33
21	37	43	35	45	59	71	89	278	92	41	92	32
22	36	46	35	43	58	82	107	227	86	41	78	30
23	37	47	35	43	58	59	114	224	82	49	74	30
24	32	42	39	45	57	60	116	235	76	66	70	30
25	33	43	37	47	56	79	139	276	71	68	68	30
26	32	44	37	50	59	82	122	302	74	68	70	35
27	80	41	39	52	64	49	104	300	78	67	65	44
28	679	37	33	50	70	45	98	258	77	66	59	45
29	619	35	43	54	---	50	105	252	83	884	62	44
30	220	35	44	53	---	61	114	244	78	124	62	45
31	100	---	43	51	---	67	---	284	---	97	63	---
TOTAL	2604	1251	1196	1411	1588	2096	2367	7464	4026	2771	2133	1398
MEAN	84.0	41.7	38.6	45.5	56.7	67.6	78.9	241	134	89.4	68.8	46.6
MAX	679	60	52	54	71	119	139	398	277	884	92	75
MIN	32	35	32	40	47	45	50	92	71	41	59	30
AC-FT	5170	2480	2370	2800	3150	4160	4690	14800	7990	5500	4230	2770
CAL YR 1974 TOTAL	20744											
WTR YR 1975 TOTAL	30305											
MEAN 56.8												
MAX 679												
MIN 24												
AC-FT 41150												
MIN 30												
AC-FT 60110												

PEAK DISCHARGE (BASE, 800 CFS).--Oct. 28 (2200) 2200 cfs (6.27 ft); July 29 (unknown) 4140 cfs (8.95 ft).

NOTE.--No gage-height record Dec. 13 to Jan. 17; Jan. 22 to Feb. 24; June 19 to July 23; July 28 to Aug. 29.

VIRGIN RIVER BASIN

09406300 Kanarra Creek at Kanarraville, Utah

LOCATION.--Lat 37°32'13", long 113°10'00", in SE¼SW¼NE¼ sec.35, T.37 S., R.12 W., Iron County, on left bank 2,000 ft (610 m) upstream from mouth of canyon and 0.8 mile (1.3 km) east of Kanarraville.

DRAINAGE AREA.--9.85 mi² (25.51 km²).

PERIOD OF RECORD.--August 1959 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,730 ft (1,747 m) above mean sea level (from topographic map). Prior to Oct. 16, 1968, at site 1,500 ft (457 m) downstream at different datum.

AVERAGE DISCHARGE.--16 years, 3.97 ft³/s (0.112 m³/s), 2,880 acre-ft/yr (3.55 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 57 ft³/s (1.61 m³/s) probably occurred May 20 (gage height, 2.57 ft or 0.783 m); minimum daily, 1.6 ft³/s (0.045 m³/s) several days in Oct., Dec. and Jan.

Period of record: Maximum discharge, about 1,000 ft³/s (28.3 m³/s) Aug. 17, 1970 (gage height, 2.25 ft or 0.686 m, from floodmark); minimum recorded, 0.7 ft³/s (0.020 m³/s) Feb. 10, 1965.

REMARKS.--Records poor. One small diversion 2 miles (3 km) above station diverts water from a spring for the water supply of Kanarraville. Total flow is usually diverted at mouth of canyon for irrigation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	1.7	1.8	1.6	1.9	2.1	2.3	4.9	10	3.8	4.8	2.8
2	1.8	1.7	1.8	1.6	1.9	2.1	2.1	6.0	9.0	3.8	4.4	2.7
3	2.5	1.7	1.8	1.6	1.9	2.1	2.0	9.0	8.5	3.8	4.4	2.7
4	2.5	1.7	1.8	1.6	1.9	2.1	2.4	11	8.0	3.8	3.8	2.7
5	2.1	1.7	1.8	1.6	1.9	2.1	2.8	8.1	8.0	3.8	3.7	2.7
6	1.9	1.7	1.8	1.7	1.9	2.1	2.7	6.6	8.0	3.8	3.6	5.9
7	1.6	1.7	1.8	1.9	1.9	2.1	2.5	6.0	7.5	4.1	3.3	2.9
8	1.8	1.7	1.8	1.9	1.9	2.1	2.4	7.3	7.0	4.1	3.3	4.0
9	1.6	1.7	1.8	1.9	1.9	2.1	2.2	12	7.5	3.6	3.3	2.8
10	1.9	1.7	1.8	1.9	1.9	2.1	2.0	7.1	7.0	2.8	3.3	2.8
11	1.9	1.7	1.8	1.9	1.9	2.1	2.0	9.3	7.0	2.8	3.0	2.9
12	1.9	1.7	1.8	1.9	1.9	2.1	2.0	11	7.0	2.6	3.1	2.9
13	1.9	1.7	1.8	1.9	1.9	2.1	2.0	12	7.0	2.6	3.2	3.1
14	1.9	1.7	1.8	1.9	1.9	2.1	2.1	17	6.6	2.6	3.0	2.9
15	1.8	1.7	1.8	1.9	1.9	2.1	2.2	19	6.6	2.6	3.0	2.9
16	1.8	2.1	1.8	1.9	1.9	2.1	2.2	24	5.6	2.6	3.0	2.8
17	1.8	2.1	1.8	1.9	1.9	2.1	2.2	18	5.6	2.6	3.0	2.6
18	1.8	2.0	1.8	1.9	1.9	2.1	2.2	18	5.6	2.6	2.8	2.8
19	1.8	1.9	1.8	1.9	1.9	2.1	2.2	22	5.2	2.6	2.8	2.9
20	1.8	1.8	1.8	1.9	1.9	2.1	2.2	25	5.2	2.6	4.4	2.8
21	1.8	1.8	1.7	1.9	1.9	2.1	2.3	21	5.2	2.6	14	2.8
22	1.8	1.8	1.6	1.9	1.9	2.1	3.0	19	4.8	2.4	12	2.8
23	1.8	1.8	1.6	1.9	1.9	2.1	3.3	17	4.8	2.4	9.0	2.8
24	1.8	1.8	1.6	1.9	1.9	2.1	3.5	15	4.8	2.4	6.0	2.8
25	1.8	1.8	1.6	1.9	1.9	2.1	3.2	14	4.1	2.6	4.3	3.1
26	1.8	1.8	1.6	1.9	2.0	2.1	3.0	14	4.1	2.6	3.6	3.1
27	2.1	1.8	1.6	1.9	2.1	2.1	2.9	16	4.1	2.4	3.0	2.9
28	3.5	1.8	1.6	1.9	2.1	1.9	3.4	13	3.8	2.4	2.9	2.9
29	2.0	1.8	1.6	1.9	---	1.8	3.9	11	3.8	3.6	2.8	2.9
30	1.8	1.8	1.6	1.9	---	2.0	4.5	11	3.8	5.6	2.8	3.1
31	1.7	---	1.6	1.9	---	2.4	---	11	---	4.8	2.8	---
TOTAL	59.8	53.4	53.7	57.2	53.7	64.8	77.7	415.3	185.2	97.4	132.4	89.8
MEAN	1.93	1.78	1.73	1.85	1.92	2.09	2.59	13.4	6.17	3.14	4.27	2.99
MAX	3.5	2.1	1.8	1.9	2.1	2.4	4.5	25	10	5.6	14	5.9
MIN	1.6	1.7	1.6	1.6	1.9	1.8	2.0	4.9	3.8	2.4	2.8	2.6
AC-FT	119	106	107	113	107	129	154	824	367	193	263	178
CAL YR 1974 TOTAL	1081.6											
WTR YR 1975 TOTAL	1340.4											
MEAN 2.96												
MAX 8.0												
MIN 1.6												
AC-FT 2150												
AC-FT 2660												

PEAK DISCHARGE (BASE, 100 CFS). No peaks above base.

NOTE.--No record Oct. 1 to Nov. 14, Nov. 20 to May 2, and May 20 to June 3.

09406600 Ash Creek Reservoir near New Harmony, Utah

LOCATION.--Lat 37°24'38", long 113°14'05" in NE¼NE¼SE¼ sec.7, T.39 S., R.12 W., Washington County, on left bank 300 ft (91 m) west of highway I-15, 5.9 miles (9.5 km) southeast of New Harmony.

DRAINAGE AREA.--122 mi² (308 km²).

PERIOD OF RECORD.--Nov. 7, 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,655 ft (1,419 m) above mean sea level.

EXTREMES.--Current period: Maximum contents, 1,510 acre-ft (1.86 hm³) May 21-23 (gage height, 52.0 ft or 15.8 m). Minimum contents, 500 acre-ft (0.62 hm³) Oct. 22 (gage height, 36.8 ft or 11.2 m).

Period of record: Maximum contents observed, 4,510 acre-ft (5.56 hm³) Apr. 29, 1973 (gage height, 76.1 ft or 23.2 m); no contents June 25 to July 15, 1974.

REMARKS.--Reservoir is formed by a porous earthfill dam. Capacity, 4,230 acre-ft (5.22 hm³) between gage heights 30 ft (9.1 m), approximate bottom of reservoir, and 87 ft (26.5 m). Limited storage to a gage height of 60 ft (18.3 m). No dead storage. Reservoir dam is used for flood control and as a road base for highway I-15. Capacity table furnished by Utah Dept. of Natural Resources.

Capacity table (gage height, in feet,
and usable contents, in acre-feet)

35	424	45	935
40	636	50	1,320
		55	1,780

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	510	811	672	624	655	685	910	998	1440	848	735	710
2	510	821	668	625	658	685	907	1000	1440	838	729	704
3	520	814	667	623	659	685	907	1020	1440	828	724	698
4	530	805	674	624	663	685	906	1040	1430	818	717	689
5	520	802	678	626	664	698	904	1040	1420	809	711	683
6	520	796	674	628	665	800	904	1050	1420	800	704	676
7	520	791	673	630	666	835	900	1050	1400	790	698	670
8	520	794	670	634	668	840	897	1080	1370	755	691	691
9	518	789	667	636	672	840	893	1110	1340	759	685	687
10	514	782	664	635	673	849	891	1150	1320	795	680	730
11	513	778	662	635	674	855	888	1180	1280	790	673	727
12	511	772	660	634	677	856	888	1210	1250	781	667	719
13	509	767	658	634	677	856	885	1250	1220	805	662	713
14	507	762	654	634	678	873	880	1280	1190	819	653	708
15	506	728	654	635	682	879	877	1310	1160	820	647	701
16	505	723	653	636	686	886	876	1340	1120	815	640	694
17	504	718	650	638	686	889	877	1380	1090	808	634	689
18	503	713	647	642	686	893	875	1410	1070	800	630	684
19	502	709	647	643	688	897	872	1440	1040	794	623	679
20	501	705	646	647	689	901	868	1480	1020	787	731	676
21	502	700	644	646	686	902	863	1510	997	779	779	673
22	500	700	642	646	683	901	867	1510	978	771	778	667
23	501	697	637	647	684	899	892	1510	956	763	772	660
24	503	694	633	650	686	896	917	1500	935	755	766	656
25	503	691	630	652	684	903	952	1490	918	746	759	652
26	506	687	627	652	684	912	972	1470	903	739	751	646
27	508	683	626	652	685	910	966	1470	889	731	743	642
28	776	680	625	650	686	909	970	1470	880	722	736	639
29	805	677	626	652	---	905	976	1460	870	753	728	636
30	803	674	625	652	---	907	986	1450	860	749	722	632
31	792	---	625	653	---	910	---	1450	---	742	716	---
MAX	805	821	678	653	689	912	986	1510	1440	848	779	730
MIN	500	674	625	623	655	685	863	998	860	722	623	632
(†)	42.69	40.66	39.74	40.27	40.83	44.56	45.60	51.42	43.82	41.83	41.40	39.96
(‡)	+282	-118	-49	+28	+33	+224	+76	+464	-590	-118	-26	-84
CAL YR 1974.....	\$ -125											
WTR YR 1975.....	\$ +122											

† Gage height, in feet, at end of month.

‡ Change in contents, in acre-feet.

NOTE.--No gage-height record May 8 to 21; contents interpolated.

VIRGIN RIVER BASIN

09406700 South Ash Creek below Mill Creek, near Pintura, Utah

LOCATION.--Lat 37°21'50", long 113°20'01", in SW¼SW¼SE¼ sec.29, T.39 S., R.13 W., Washington County, on right bank 150 ft (46 m) downstream from Harmon Creek, and 3.5 miles (5.6 km) northwest of Pintura.

DRAINAGE AREA.--11.0 mi² (28.5 km²).

PERIOD OF RECORD.--August 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,290 ft (1,612 m) from topographic map.

AVERAGE DISCHARGE.--9 years, 6.51 ft³/s (0.184 m³/s), 4,720 acre-ft/yr (5.82 km³/yr).

EXTREMES.--Current year: Maximum discharge, 16 ft³/s (0.53 m³/s) May 18 (gage height, 1.50 ft or 0.457 m); minimum, 0.65 ft³/s (0.018 m³/s) Oct. 1.

Period of record: Maximum discharge, 1,910 ft³/s (54.1 m³/s) Dec. 6, 1966 (gage height, 5.83 ft or 1.777 m); minimum, 0.61 ft³/s (0.017 m³/s) Aug. 7-13, 1972.

REMARKS.--Records good except for winter period and period of no gage-height, which are fair. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.65	2.7	1.9	1.2	1.9	2.2	3.0	8.6	11	6.5	4.7	2.5
2	.68	1.9	1.9	1.2	2.0	2.2	3.1	8.6	11	6.8	4.5	2.5
3	.78	1.6	1.9	1.3	2.0	2.1	3.2	8.8	10	7.1	4.5	2.4
4	.71	1.5	2.0	1.3	2.0	2.1	3.6	8.9	9.8	6.8	4.4	2.4
5	.71	1.4	2.1	1.3	2.0	2.1	4.0	8.9	9.9	6.5	4.3	2.3
6	.74	1.4	1.9	1.4	1.9	2.2	3.7	8.8	9.5	6.4	4.2	2.3
7	.68	1.4	1.9	1.4	2.1	2.3	3.6	8.6	9.2	6.3	4.0	2.3
8	.71	1.5	1.8	1.3	2.1	2.3	3.7	8.7	9.3	6.3	3.9	2.6
9	.74	1.6	1.8	1.2	2.1	2.2	3.9	9.0	9.5	6.3	3.7	2.5
10	.74	1.5	1.9	1.2	2.0	2.1	4.3	9.9	9.8	6.2	3.6	2.4
11	.78	1.4	1.9	1.2	2.0	2.2	4.3	11	9.7	6.0	3.5	2.3
12	.81	1.4	2.0	1.2	2.1	2.3	4.3	11	9.4	5.9	3.5	2.4
13	.77	1.5	1.9	1.2	2.1	2.4	4.6	12	9.3	6.8	3.4	2.3
14	.75	1.6	1.9	1.2	2.1	2.5	4.5	13	9.2	6.1	3.4	2.3
15	.84	1.7	2.1	1.3	2.0	2.4	5.0	13	9.2	5.8	3.4	2.2
16	.84	1.8	2.0	1.4	1.8	2.7	4.9	13	9.0	5.7	3.3	2.1
17	.84	1.8	1.9	1.5	1.8	2.6	5.2	14	9.0	5.5	3.3	2.1
18	.91	1.8	2.0	1.6	1.7	2.6	5.6	14	8.8	5.5	3.3	2.1
19	1.1	1.8	2.0	1.7	1.7	2.7	6.0	13	8.5	5.4	3.2	2.1
20	1.1	1.8	2.0	1.7	1.8	2.9	6.4	13	8.3	5.3	3.8	2.0
21	1.1	1.8	2.1	1.7	1.9	2.8	6.4	12	8.1	5.2	4.3	1.9
22	1.2	1.9	1.9	1.6	1.9	2.7	6.8	13	7.5	5.0	3.7	1.9
23	1.3	1.8	1.8	1.6	1.9	2.7	7.2	13	7.2	4.9	3.6	1.9
24	1.2	1.8	1.6	1.7	2.0	2.6	7.6	13	7.0	4.9	3.4	1.9
25	1.2	1.8	1.5	1.7	2.1	2.9	7.7	13	7.1	4.8	3.2	1.8
26	1.3	1.8	1.4	1.8	2.1	2.7	7.5	13	7.2	4.7	3.1	1.8
27	1.4	1.9	1.5	1.8	2.2	2.7	7.9	13	7.0	4.7	2.9	1.8
28	3.9	1.9	1.6	1.8	2.2	2.7	8.5	13	6.8	4.7	2.6	1.8
29	1.5	1.8	1.5	1.8	---	2.8	8.5	13	6.8	5.7	2.7	1.8
30	1.4	1.8	1.3	1.9	---	2.9	8.6	12	6.6	4.9	2.6	1.8
31	1.6	---	1.2	2.0	---	2.9	---	12	---	4.8	2.6	---
TOTAL	32.98	51.4	56.2	46.2	55.5	77.5	163.6	355.8	260.7	177.5	110.6	64.5
MEAN	1.06	1.71	1.81	1.49	1.98	2.50	5.45	11.5	8.69	5.73	3.57	2.15
MAX	3.9	2.7	2.1	2.0	2.2	2.9	8.6	14	11	7.1	4.7	2.6
MIN	.65	1.4	1.2	1.2	1.7	2.1	3.0	8.6	6.6	4.7	2.6	1.8
AC-FT	65	102	111	92	110	154	325	706	517	352	219	128

CAL YR 1974 TOTAL 883.08 MEAN 2.42 MAX 6.3 MIN .60 AC-FT 1750
WTR YR 1975 TOTAL 1452.48 MEAN 3.98 MAX 14 MIN .65 AC-FT 2880

PEAK DISCHARGE (BASE, 100 CFS).--No peaks above base.

NOTE.--No gage-height record Feb. 18-Apr. 22 and July 10-Aug. 28.

VIRGIN RIVER BASIN

135

09407200 Ash Creek below West Field Ditch at Toquerville, Utah

LOCATION.--Lat 37°15'57", long 113°16'50", sec.35, T.40 S., R.13 W., Washington County on left bank 400 ft (122 m) below the West Field Ditch diversion from Ash Creek, 0.5 mile (0.8 km) along turnoff from State Road 15 at north end of Toquerville.

DRAINAGE AREA.--190 mi² (487 km²).

PERIOD OF RECORD.--November 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 3,440 ft (1,049 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 51 ft³/s (1.44 m³/s) Oct. 27; minimum daily discharge, 9.0 ft³/s (0.255 m³/s) Feb. 25 and Mar. 9.

Period of record: Maximum discharge, 275 ft³/s (7.79 m³/s) Aug. 16, 1973; minimum daily discharge, 7.6 ft³/s (0.22 m³/s) Jan. 20, 21, 1973.

REMARKS.--Records good, except for periods of no gage-height record which are fair. Figures given herein include West Field Ditch and Toquerville Spring pipeline, both of which divert water about 400 ft (122 m) above the station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	18	13	12	11	9.6	11	11	11	11	11	11
2	15	19	13	12	11	9.4	11	11	11	11	11	11
3	15	14	13	12	11	9.4	11	11	12	11	11	11
4	15	13	13	12	11	9.4	11	11	11	11	11	11
5	15	13	13	12	11	9.2	11	11	11	11	11	11
6	15	13	13	12	11	9.1	11	11	11	11	11	11
7	14	13	12	12	11	10	11	11	11	11	11	11
8	14	13	12	12	11	10	11	11	11	11	11	11
9	14	13	12	12	11	9.0	11	11	11	11	11	11
10	14	13	12	12	11	9.3	11	11	11	11	10	11
11	14	13	12	12	11	9.6	11	11	11	11	10	11
12	14	13	12	12	11	9.5	11	11	11	11	10	11
13	14	14	12	12	11	9.4	11	13	11	9.7	11	11
14	13	14	12	12	11	9.3	11	12	11	9.8	11	11
15	14	14	12	12	11	9.6	11	11	11	12	11	11
16	14	15	12	12	11	9.4	11	11	11	15	11	11
17	14	15	12	12	11	9.4	11	13	11	15	10	11
18	14	15	12	12	11	9.4	12	12	11	14	10	11
19	14	15	12	12	11	10	11	14	11	14	11	11
20	14	15	12	12	11	12	11	15	11	13	13	11
21	14	15	12	12	11	14	11	16	11	13	12	11
22	14	14	12	12	11	12	11	16	11	12	10	11
23	15	14	12	12	11	11	11	15	11	12	10	11
24	17	12	12	12	11	11	11	18	11	12	10	11
25	20	12	12	12	9.0	11	11	13	11	12	11	11
26	25	12	12	12	9.6	12	11	12	11	12	11	11
27	30	12	12	12	9.7	11	11	12	11	12	10	11
28	26	12	12	11	9.8	11	11	12	11	12	10	11
29	21	13	12	11	---	11	11	12	11	12	10	11
30	13	13	12	12	---	12	11	12	11	12	10	11
31	15	---	12	12	---	11	---	12	---	11	11	---
TOTAL	495	414	378	370	302.1	319.0	331	383	331	366.5	332	330
MEAN	16.0	13.8	12.2	11.9	10.8	10.3	11.0	12.4	11.0	11.8	10.7	11.0
MAX	30	19	13	12	11	14	12	18	12	15	13	11
MIN	13	12	12	11	9.0	9.0	11	11	11	9.7	10	11
AC-FT	982	821	750	734	599	633	657	760	657	727	659	655
CAL YR 1974	TOTAL	6291.0	MEAN	17.2	MAX	30	MIN	12	AC-FT	12480		
WTR YR 1975	TOTAL	4351.6	MEAN	11.9	MAX	30	MIN	9.0	AC-FT	8630		

NOTE.--No gage-height record Oct. 16 to Nov. 15

VIRGIN RIVER BASIN

09408000 Leeds Creek near Leeds, Utah

LOCATION.--Lat 37°16'03", long 113°22'12", in SW¼SE¼NE¼ sec.36, T.40 S., R.14 W., Washington County, on left bank 1,150 ft (351 m) upstream from Leeds Ditch diversion, 2.1 miles (3.4 km) north of Leeds, and 4.4 miles (7.1 km) upstream from mouth.

DRAINAGE AREA.--15.5 mi² (40.1 km²).

PERIOD OF RECORD.--October 1915 to June 1920 (fragmentary) in reports of Geological Survey; October 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,000 ft (1,219 m) from topographic map. Prior to June 1920, at various sites and datums about 600 ft (183 m) downstream; Oct. 28, 1964 to Aug. 20, 1967, water-stage recorder at site 1,000 ft (305 m) downstream at different datum.

AVERAGE DISCHARGE.--11 years, 6.72 ft³/s (0.190 m³/s), 4,870 acre-ft/yr (6.00 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 80 ft³/s (2.27 m³/s) July 12 (gage height, 2.57 ft or 0.783 m); minimum, 1.3 ft³/s (0.038 m³/s) Feb. 22.

Period of record: Maximum discharge, 2,710 ft³/s (76.7 m³/s) Aug. 6, 1967 (gage height, 5.78 ft or 1.762 m), site and datum then in use; minimum recorded, 0.23 ft³/s (0.007 m³/s) Jan. 3, 1971.

Maximum discharge measured, 2,980 ft³/s (84.4 m³/s) Aug. 12, 1964 (gage height, 6.00 ft or 1.829 m), from slope-area measurement.

REMARKS.--Records good. One diversion above station for domestic use.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	3.0	3.0	2.4	3.0	3.0	4.4	4.7	5.5	9.5	7.0	4.3
2	1.8	3.0	3.1	2.3	3.0	3.0	4.4	4.7	5.7	9.5	6.8	4.2
3	2.1	2.9	3.1	2.2	3.0	3.0	4.2	4.7	5.9	9.8	6.7	4.1
4	2.0	2.9	3.4	2.2	3.1	3.0	4.2	4.7	6.0	9.7	6.6	4.1
5	1.9	2.9	3.7	2.1	3.1	3.0	4.2	4.9	6.1	9.5	6.0	4.1
6	1.9	2.9	3.3	2.0	3.3	3.0	4.4	4.9	6.2	9.3	5.8	4.1
7	1.9	2.9	3.3	2.0	3.0	3.3	4.4	4.9	6.4	9.5	5.7	4.1
8	2.0	2.9	3.3	2.1	3.0	4.0	4.4	4.7	7.1	9.5	5.6	4.3
9	2.0	3.0	3.3	2.1	3.0	3.9	4.4	4.7	7.2	9.5	5.4	4.2
10	2.3	3.0	3.0	2.1	3.1	4.0	4.4	4.7	7.4	9.8	5.4	4.1
11	1.9	3.0	2.9	2.2	3.1	4.0	4.5	4.7	7.5	9.5	5.4	3.9
12	2.0	3.0	2.8	2.2	3.1	4.0	4.5	4.7	7.6	15	5.3	4.0
13	1.9	3.0	2.8	2.3	3.1	4.2	4.5	4.7	7.7	9.4	5.2	4.1
14	1.9	3.0	2.7	2.3	3.1	4.4	4.4	4.7	7.9	9.0	5.2	4.0
15	1.9	3.0	2.7	2.4	3.4	4.4	4.4	4.7	8.1	8.7	5.2	3.9
16	1.9	2.9	2.6	3.0	3.3	4.7	4.4	4.7	8.3	8.6	5.1	3.9
17	1.9	2.9	2.7	3.0	3.3	4.2	4.5	4.9	8.6	8.5	5.0	3.9
18	2.0	2.9	3.0	3.0	3.4	4.4	4.5	4.9	9.5	8.3	5.0	3.9
19	2.0	3.0	2.7	3.0	3.1	5.9	4.4	4.9	9.6	8.2	5.0	3.9
20	2.1	3.0	2.6	3.0	3.0	5.5	4.4	5.1	9.8	8.1	7.1	3.7
21	2.1	3.0	2.6	3.0	2.8	4.9	4.4	5.1	9.7	8.0	9.3	3.7
22	2.2	3.0	2.5	2.9	2.8	4.7	4.4	5.1	9.6	7.7	5.3	3.6
23	2.3	3.0	2.3	2.9	2.8	4.5	4.5	5.1	9.6	7.6	4.9	3.6
24	2.3	3.0	2.1	2.9	2.9	4.5	4.5	5.1	9.6	7.5	4.8	3.6
25	2.2	3.0	2.1	2.9	2.9	4.5	4.7	5.3	9.6	7.4	4.6	3.5
26	2.4	3.0	2.0	2.9	2.9	4.7	4.7	5.3	9.7	7.3	4.6	3.4
27	2.5	3.0	2.1	2.9	2.9	3.8	4.7	5.7	9.9	7.2	4.5	3.4
28	2.7	3.0	2.4	2.9	3.0	3.8	4.7	5.7	9.8	7.2	4.5	3.3
29	2.9	3.0	2.6	3.0	---	3.8	4.7	5.5	9.7	10	4.4	3.3
30	2.9	3.0	2.7	3.1	---	3.9	4.7	5.5	9.6	7.7	4.4	3.2
31	2.9	---	2.6	3.1	---	4.4	---	5.5	---	7.2	4.3	---
TOTAL	66.6	89.1	86.0	80.4	85.5	126.4	133.9	154.5	244.9	273.7	170.1	115.4
MEAN	2.15	2.97	2.77	2.59	3.05	4.08	4.46	4.98	8.16	8.83	5.49	3.85
MAX	2.9	3.0	3.7	3.1	3.4	5.9	4.7	5.7	9.9	15	9.3	4.3
MIN	1.8	2.9	2.0	2.0	2.8	3.0	4.2	4.7	5.5	7.2	4.3	3.2
AC-FT	132	177	171	159	170	251	266	306	486	543	337	229

CAL YR 1974 TOTAL 1078.4 MEAN 2.95 MAX 4 MIN 1.7 AC-FT 2140
WTR YR 1975 TOTAL 1626.5 MEAN 4.46 MAX 15 MIN 1.8 AC-FT 3230

PEAK DISCHARGE (BASE, 50 CFS).--July 12 (2000) 80 cfs (2.57 ft).

VIRGIN RIVER BASIN

137

09408150 Virgin River near Hurricane, Utah

LOCATION.--Lat 37°09'45", long 113°23'42", in NE¼NE¼SW¼ sec.2, T.42 S., R.14 W., Washington County, on left bank at downstream side of bridge on State Highway 17, 1.8 miles (2.9 km) downstream from Quail Creek and 6.2 miles (10.0 km) west of Hurricane.

DRAINAGE AREA.--1,530 mi² (3,960 km²), approximately.

PERIOD OF RECORD.--March 1967 to current year.

AVERAGE DISCHARGE.--8 years, 212 ft³/s (6.038 m³/s), 153,600 acre-ft/yr (189 hm³/yr).

GAGE.--Water-stage recorder. Altitude of gage is 2,760 ft (841 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 7,325 ft³/s (207 m³/s) July 29 (gage height, 8.95 ft or 2.728 m); minimum 38 ft³/s (1.076 m³/s) Sept. 25, 26.

Period of record: Maximum discharge, 12,800 ft³/s (362 m³/s) Jan. 25, 1969; minimum 29 ft³/s (0.82 m³/s) July 8, 1972; maximum stage known since at least 1909, 17.34 ft (5.285 m) Dec. 6, 1966, from floodmarks, discharge 20,100 ft³/s (569 m³/s).

REMARKS.--Records fair. Many diversions above station for irrigation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	172	140	137	154	223	180	154	317	62	89	68
2	104	140	183	144	147	249	159	164	293	58	87	73
3	107	135	255	130	149	204	149	198	260	60	84	63
4	149	132	310	123	164	195	160	334	228	71	80	63
5	123	129	334	121	154	180	180	172	213	71	78	57
6	114	129	279	121	149	366	218	125	202	62	74	50
7	109	127	146	123	157	282	198	112	203	63	70	53
8	123	138	113	132	159	252	172	114	188	62	66	120
9	98	149	103	140	162	210	164	189	165	60	62	163
10	69	144	102	125	164	216	152	342	143	58	62	336
11	65	143	100	125	159	282	147	394	132	56	62	138
12	63	142	103	119	157	223	167	390	124	55	61	100
13	63	143	107	121	157	223	162	350	122	54	61	69
14	62	146	103	123	167	229	144	390	120	58	60	63
15	63	149	107	128	175	216	137	428	118	62	60	64
16	65	154	109	149	170	232	140	412	106	67	59	59
17	69	157	116	152	164	223	162	370	91	73	59	54
18	67	162	109	152	159	215	128	348	83	71	58	68
19	81	154	107	154	154	216	119	400	87	63	59	81
20	87	137	107	154	162	222	123	471	83	56	124	56
21	81	128	109	152	157	234	154	382	81	56	99	50
22	81	123	114	149	149	249	152	298	79	56	90	50
23	87	132	116	152	144	231	170	282	73	56	94	44
24	103	159	109	157	167	226	172	302	67	56	98	43
25	96	144	105	162	170	234	192	350	63	61	100	43
26	96	147	109	162	172	270	183	418	65	68	102	43
27	180	137	121	157	177	261	147	383	71	68	83	57
28	410	132	121	152	195	216	137	349	71	68	63	64
29	960	137	130	149	---	159	132	325	73	1060	64	69
30	296	130	130	159	---	170	135	300	67	684	68	61
31	195	---	125	154	---	200	---	319	---	125	65	---
TOTAL	4375	4251	4322	4378	4514	7108	4735	9565	3988	3600	2341	2322
MEAN	141	142	139	141	161	229	158	309	133	116	75.5	77.4
MAX	960	172	334	162	195	366	218	471	317	1060	124	336
MIN	62	123	100	119	144	159	119	112	63	54	58	43
AC-FT	8680	8430	8570	8680	8950	14100	9390	18970	7910	7140	4640	4610
CAL YR 1974 TOTAL	45235											
WTR YR 1975 TOTAL	55499											
MEAN 124												
MAX 1060												
MIN 43												
AC-FT 89720												
AC-FT 110100												

PEAK DISCHARGE (BASE, 1500 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
10-28	2400	5.60	2830	9-10	1000	4.87	2073
7-29	2100	8.95	7325				

VIRGIN RIVER BASIN

09408400 Santa Clara River near Pine Valley, Utah

LOCATION.--Lat 37°23'00", long 113°28'57", in NW¼SE¼NE¼ sec.24, T.39 S., R.15 W., Washington County, in Dixie National Forest, on right bank 150 ft (46 m) upstream from highway bridge, 0.6 mile (1.0 km) downstream from Pine Valley Reservoir, 1.6 miles (2.6 km) south-east of town of Pine Valley, and 2.5 miles (4.0 km) upstream from Grass Valley Creek.

DRAINAGE AREA.--18.7 mi² (48.4 km²).

PERIOD OF RECORD.--July 1959 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,640 ft (2,023 m) from topographic map.

AVERAGE DISCHARGE.--16 years, 9.17 ft³/s (0.260 m³/s), 6,640 acre-ft/yr (8.19 km³/yr).

EXTREMES.--Current year: Maximum discharge, 82 ft³/s (2.322 m³/s) June 2 (gage height, 2.68 ft or 0.817 m); minimum discharge, 0.96 ft³/s (0.027 m³/s) Oct. 2.

Period of record: Maximum discharge, 776 ft³/s (22.0 m³/s) Dec. 6, 1966 (gage height, 6.85 ft or 2.088 m); minimum, 0.53 ft³/s (0.015 m³/s) Sept. 2, 1970.

REMARKS.--Records good. Flow slightly regulated by Pine Valley Reservoir. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	2.5	2.7	2.7	1.8	2.8	6.5	12	58	12	5.5	3.5
2	1.3	2.6	1.8	2.7	1.8	2.9	18	12	60	11	5.3	3.4
3	2.1	2.7	1.8	2.7	1.8	2.8	17	17	63	11	5.1	3.4
4	1.7	2.4	2.1	2.7	1.9	2.6	6.0	20	55	11	5.0	3.3
5	1.6	2.4	2.0	2.7	1.9	2.8	6.1	15	51	11	4.9	3.3
6	1.6	2.2	2.2	2.7	1.8	2.8	6.4	12	51	10	4.7	3.2
7	1.6	2.3	1.9	2.7	1.8	2.9	6.1	11	52	10	4.5	3.2
8	1.6	2.6	2.7	2.7	1.8	3.2	6.1	12	49	9.7	4.4	3.5
9	1.6	2.5	4.9	2.7	1.9	3.2	6.0	19	41	9.8	4.3	3.4
10	1.7	2.3	2.5	2.7	1.9	3.2	6.0	25	37	9.8	4.3	3.4
11	1.7	2.3	2.2	2.7	1.9	3.0	6.0	31	33	9.5	4.1	3.2
12	1.7	2.3	1.9	2.7	1.9	3.0	6.0	34	31	11	4.3	3.2
13	1.7	2.3	1.9	2.7	1.8	2.9	6.0	37	30	11	4.0	3.3
14	1.6	2.3	2.2	2.4	1.8	3.0	5.8	45	29	9.6	4.0	3.3
15	1.6	2.3	1.9	2.0	1.9	3.2	5.4	50	29	8.8	3.8	3.2
16	1.6	2.2	1.9	2.0	1.8	3.1	5.1	48	28	8.2	3.8	3.1
17	1.6	2.1	1.9	2.0	1.8	4.5	5.0	41	27	7.9	3.7	3.1
18	1.6	2.1	1.9	2.0	1.8	5.1	4.9	43	27	7.6	3.6	3.1
19	1.6	2.0	1.8	1.9	1.9	4.2	5.1	50	23	7.4	3.7	3.1
20	1.6	2.0	1.8	1.9	1.9	5.0	5.9	53	21	7.2	4.2	3.0
21	1.6	2.0	1.9	1.9	1.9	5.3	9.1	37	19	7.0	6.9	2.9
22	1.6	2.2	1.9	1.9	1.7	5.4	13	30	18	6.8	4.9	2.9
23	1.7	2.1	2.4	1.9	1.8	4.6	15	26	17	6.6	4.2	2.9
24	1.7	2.1	2.2	1.9	1.8	4.3	17	25	16	6.4	3.9	2.9
25	1.6	2.0	3.0	1.9	2.0	4.8	18	32	15	6.3	3.8	2.8
26	1.9	2.0	3.8	1.9	2.2	4.6	14	42	14	6.1	3.7	2.8
27	2.0	2.0	2.7	1.8	2.4	6.2	11	45	14	6.1	3.7	2.8
28	3.4	1.9	2.7	1.8	2.6	11	9.8	42	13	6.1	3.6	2.8
29	3.0	3.2	2.7	1.8	---	11	10	41	12	6.9	3.6	2.8
30	2.3	3.2	2.6	1.9	---	13	11	41	12	6.1	3.6	2.8
31	2.2	---	2.6	1.9	---	6.3	---	48	---	5.8	3.5	---
TOTAL	55.6	69.1	72.5	69.9	53.3	142.7	267.3	996	945	263.7	132.6	93.6
MEAN	1.79	2.30	2.34	2.25	1.90	4.60	8.91	32.1	31.5	8.51	4.28	3.12
MAX	3.4	3.2	4.9	2.7	2.6	13	18	53	63	12	6.9	3.5
MIN	1.3	1.9	1.8	1.8	1.7	2.6	4.9	11	12	5.8	3.5	2.8
AC-FT	110	137	144	139	106	283	530	1980	1870	523	263	186

CAL YR 1974 TOTAL 1389.5 MEAN 3.81 MAX 16 MIN 1.3 AC-FT 2760
WTR YR 1975 TOTAL 3161.3 MEAN 8.66 MAX 63 MIN 1.3 AC-FT 6270

PEAK DISCHARGE (BASE, 60 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-15	2100	2.47	61	6-2	2300	2.68	82
5-20	0100	2.66	80				

VIRGIN RIVER BASIN

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09408500 Santa Clara-Pinto diversion near Pinto, Utah
(Transmountain diversion)

LOCATION.--Lat 37°28'04", long 113°28'21", in SW¼SE¼NW¼ sec.19, T.38 S., R.14 W., Washington County, on the right bank 0.2 mile (0.3 km) downstream from outlet of diversion tunnel and 6 miles (10 km) southeast of Pinto.

PERIOD OF RECORD.--October 1953 to September 1962 (monthly discharge only, October 1953 to September 1960), October 1969 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,820 ft (2,079 m) from topographic map. Prior to September 1962, at site 600 ft (183 m) upstream at different datum.

AVERAGE DISCHARGE.--15 years (1953-62, 1969-75) 2.68 ft³/s (0.076 m³/s), 1,940 acre-ft/yr (2.39 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 92 ft³/s (2.61 m³/s) May 20 (gage height, 2.15 ft or 0.655 m); minimum discharge, no flow for extended periods during year.

Period of record: Maximum discharge, 129 ft³/s (3.65 m³/s) Aug. 6, 1971 (gage height, 2.23 ft or 0.680 m); no flow for part of year.

REMARKS.--Records good except for period of no gage-height record, which is poor. Flow at this station is seasonal occurring during the snowmelt period and heavy storm periods. This is a transmountain diversion from a tributary of Santa Clara River in Colorado River Basin to Pinto Creek in Escalante Valley in the Great Basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					0	1.8	4.4	8.5	29	.12		
2					0	1.9	4.4	8.5	34	.02		
3					0	2.0	4.4	15	35	0		
4					0	2.1	4.3	21	28	0		
5					0	2.2	4.3	13	23	0		
6					0	2.3	4.3	10	20	0		
7					0	2.4	4.2	8.2	19	0		
8					0	2.4	4.2	11	17	0		
9					0	2.4	4.2	19	13	0		
10					0	2.4	4.2	31	9.4	0		
11					0	2.4	4.2	41	7.6	0		
12					0	2.4	4.2	43	7.0	0		
13					0	2.4	4.1	43	6.7	0		
14					0	2.4	4.0	55	6.7	0		
15					0	2.4	3.9	56	7.3	0		
16					0	2.5	3.7	56	7.3	0		
17					0	2.5	3.6	52	7.0	0		
18					0	2.5	3.5	51	8.2	0		
19					0	2.6	3.5	68	7.0	0		
20					0	2.6	3.7	65	5.8	0		
21					0	2.7	4.0	44	4.9	0		
22					0	2.8	6.2	31	4.2	0		
23					0	2.9	8.5	23	3.6	0		
24					0	3.0	9.1	20	2.3	0		
25					0	3.1	12	24	1.2	0		
26					1.3	3.2	9.1	31	1.0	0		
27					1.5	3.5	6.7	38	.62	0		
28					1.6	3.7	5.1	32	.62	0		
29					---	4.0	5.3	26	.40	0		
30					---	4.3	6.7	20	.32	0		
31		---			---	4.4	---	23	---	0		---
TOTAL	0	0	0	0	4.4	84.2	154.0	987.2	317.16	.14	0	0
MEAN	0	0	0	0	.16	2.72	5.13	31.8	10.6	.005	0	0
MAX	0	0	0	0	1.6	4.4	12	68	35	.12	0	0
MIN	0	0	0	0	0	1.8	3.5	8.2	.32	0	0	0
AC-FT	0	0	0	0	8.7	167	305	1960	629	.3	0	0

CAL YR 1974 TOTAL 292.80 MEAN .80 MAX 15 MIN 0 AC-FT 581
WTR YR 1975 TOTAL 1547.10 MEAN 4.24 MAX 68 MIN 0 AC-FT 3070

NOTE.--No gage-height record Jan. 20 to Apr. 20.

VIRGIN RIVER BASIN

09409880 Santa Clara River at Gunlock, Utah

LOCATION.--Lat 37°16'55", long 113°46'00", in SW 1/4 SW 1/4 NW 1/4 sec. 28, T.40 S., R.17 W., Washington County, on right bank at downstream side of bridge on county road at Gunlock, 0.5 mile (0.8 km) below tailrace of Powerhouse.

DRAINAGE AREA.--280 mi² (725 km²), approximately.

PERIOD OF RECORD.--August 1969 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 3,630 ft (1,106 m) from topographic map.

AVERAGE DISCHARGE.--6 years, 20.1 ft³/s (0.569 m³/s), 14,560 acre-ft/yr (18.0 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 273 ft³/s (7.73 m³/s) July 29 (gage height, 2.69 ft or 0.820 m); minimum, 1.1 ft³/s (0.031 m³/s) Oct. 7.

Period of record: Maximum discharge, 1,360 ft³/s (38.5 m³/s) July 15, 1974 (gage height, 4.07 ft or 1.241 m) from rating curve extended above 200 ft³/s (5.66 m³/s); minimum, 0.53 ft³/s (0.015 m³/s) Sept. 22, 23, 1969.

REMARKS.--Records good except for periods of no gage-height record, which are fair. Many diversions for irrigation above station. Flow regulated by several reservoirs above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	17	11	9.9	13	14	26	14	19	8.2	6.4	4.8
2	5.7	30	12	10	13	17	23	9.8	21	9.3	6.4	8.4
3	7.1	19	9.7	10	13	17	24	9.9	19	10	7.0	7.7
4	7.6	18	10	9.3	13	17	23	10	19	11	6.5	6.3
5	8.4	11	9.7	9.0	14	18	21	12	19	10	4.1	6.3
6	6.9	9.7	11	9.5	14	31	23	15	20	10	3.2	4.5
7	6.6	9.7	11	10	13	59	24	15	20	10	4.5	4.1
8	7.4	10	10	10	13	47	24	15	19	9.0	4.8	7.0
9	6.9	10	13	10	13	31	23	15	19	9.3	4.1	6.3
10	6.9	10	12	9.0	14	29	22	15	20	9.6	4.5	8.4
11	7.4	12	12	9.0	13	27	20	14	22	8.9	5.6	10
12	7.6	8.4	12	9.0	13	24	19	14	20	8.8	5.6	19
13	8.3	7.7	12	9.5	13	23	19	14	18	8.7	5.6	13
14	9.2	10	12	9.9	13	23	20	14	17	8.9	5.2	12
15	7.5	11	12	10	13	25	22	15	12	9.1	5.0	9.9
16	8.4	7.0	12	10	13	36	24	14	13	9.1	5.8	9.7
17	7.7	7.0	12	10	13	28	22	15	15	9.5	4.9	6.9
18	6.3	11	12	10	13	25	22	19	17	9.5	5.5	7.6
19	6.3	9.0	12	10	13	29	20	22	18	8.8	5.6	8.5
20	7.7	9.7	12	10	13	31	21	21	19	7.5	5.5	9.6
21	7.7	8.4	12	11	13	29	23	21	18	8.8	5.3	8.5
22	8.4	10	12	11	13	28	25	22	16	8.8	5.2	8.1
23	8.4	4.8	12	11	12	26	25	32	15	8.8	6.1	7.6
24	8.4	3.5	11	11	12	22	21	32	13	8.0	7.9	7.3
25	8.4	7.7	10	11	12	23	25	28	10	7.6	7.9	10
26	9.7	10	9.5	10	11	27	25	27	10	8.1	8.7	8.3
27	9.0	10	9.0	11	12	24	25	25	10	6.6	7.0	7.8
28	20	10	9.0	13	12	21	23	27	9.5	7.3	6.8	7.1
29	17	10	9.0	13	---	17	21	26	9.5	24	7.4	2.3
30	9.7	12	9.6	13	---	17	19	26	9.5	8.1	5.2	2.0
31	10	---	9.8	12	---	23	---	23	---	4.2	6.3	---
TOTAL	261.4	323.6	342.3	321.1	360	808	674	581.7	486.5	285.5	179.6	239.0
MEAN	8.43	10.8	11.0	10.4	12.9	26.1	22.5	18.8	16.2	9.21	5.79	7.97
MAX	20	30	13	13	14	59	26	32	22	24	8.7	19
MIN	4.8	3.5	9.0	9.0	11	14	19	9.8	9.5	4.2	3.2	2.0
AC-FT	518	642	679	637	714	1600	1340	1150	965	566	356	474
CAL YR 1974 TOTAL	4746.4											
WTR YR 1975 TOTAL	4862.7											
MEAN 13.0												
MAX 47												
MIN 2.7												
AC-FT 9410												
MEAN 13.3												
MAX 59												
MIN 2.0												
AC-FT 9650												

NOTE.--No gage-height record Dec. 12 to Jan. 14.

VIRGIN RIVER BASIN

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09410100 Santa Clara River below Winsor Dam near Santa Clara, Utah

LOCATION.--Lat 37°11'18", long 113°46'01", in NE¼NW¼SW¼ sec.28, T.41 S., R.17 W., Washington County, on right bank, 1,400 ft (427 m) downstream from Winsor Dam, 0.6 mile (1.0 km) northwest of Shivwits Indian Village, and 7.5 miles (12.1 km) northwest of Santa Clara.

DRAINAGE AREA.--360 mi² (932 km²), approximately.

PERIOD OF RECORD.--December 1971 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 3,210 ft (978 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 176 ft³/s (4.98 m³/s) Oct. 26 (gage height, 2.60 ft or 0.792 m); no flow for part of the year.
Period of record: Maximum discharge, 954 ft³/s (27.0 m³/s) Apr. 29, 1973 (gage height, 3.58 ft or 1.091 m); no flow several days most years.

REMARKS.--Records poor. Many diversions for irrigation above station. Flow regulated by Gunlock Reservoir except for flooding between the reservoir and station.

REVISIONS.--WRD Utah 1973(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	0	.05			0	17	18	18	1.4	18	14
2	1.3	0	.52			0	14	18	18	.78	17	13
3	.78	0	.67			0	10	18	18	.78	17	14
4	.08	.01	.57			0	8.7	18	18	.61	17	13
5	.04	.03	.42			0	7.0	18	18	.95	19	12
6	.03	.04	.34			0	5.3	16	18	1.9	18	13
7	.02	.03	.14			2.4	14	14	18	3.8	15	14
8	.01	.02	.03			14	19	12	18	6.6	13	13
9	0	.01	.01			17	16	12	18	8.6	13	12
10	0	.01	.01			16	14	12	15	12	14	12
11	0	.01	.01			12	14	12	12	12	14	12
12	0	.01	.01			11	13	12	12	12	14	12
13	0	0	0			9.6	13	12	12	17	14	12
14	0	0	0			8.4	13	13	12	17	14	13
15	0	0	.01			4.5	13	15	11	17	18	13
16	0	0	0			2.8	13	16	11	15	19	12
17	0	0	0			2.3	13	16	11	16	17	11
18	0	0	0			2.0	13	16	11	13	17	11
19	0	0	0			2.2	13	16	13	11	17	11
20	0	.01	0			2.3	13	16	13	12	17	11
21	0	.01	0			2.6	13	16	13	13	17	11
22	0	.01	0			3.8	13	16	13	13	16	10
23	0	.01	0			4.5	13	16	13	13	15	11
24	0	.01	0			5.0	13	16	12	14	16	11
25	0	.01	0			10	13	17	12	17	16	11
26	26	.01	0			15	13	17	12	16	15	11
27	33	.01	0			18	13	18	13	22	15	7.3
28	9.6	.01	0			22	13	18	12	19	15	6.0
29	1.3	.01	0		---	19	15	18	9.2	22	15	4.6
30	.03	.01	0		---	16	16	18	3.6	16	14	6.1
31	.02	---	0		---	14	---	17	---	18	14	---
TOTAL	84.21	.28	2.79	0	0	236.4	391.0	487	407.8	362.42	490	337.0
MEAN	2.72	.009	.090	0	0	7.63	13.0	15.7	13.6	11.7	15.8	11.2
MAX	33	.04	.67	0	0	22	19	18	18	22	19	14
MIN	0	0	0	0	0	0	5.3	12	3.6	.61	13	4.6
AC-FT	167	.6	5.5	0	0	469	776	966	809	719	972	668
CAL YR 1974	TOTAL	3516.91	MEAN	9.64	MAX	33	MIN	0	AC-FT	6980		
WTR YR 1975	TOTAL	2798.90	MEAN	7.67	MAX	33	MIN	0	AC-FT	5550		

NOTE.--No gage-height record Apr. 11 to May 21.

09415000 Virgin River at Littlefield, Ariz.

LOCATION.--Lat 36°53'30", long 113°55'25", in SW¼SW¼ sec.4, T.40 N., R.15 W., Mohave County, on right bank 0.5 mi (0.8 km) downstream from Beaver Dam Wash, 0.4 mi (0.6 km) upstream from Littlefield, and 36 mi (58 km) upstream from water line of Lake Mead at elevation 1,221 ft (372.2 m) above mean sea level.

DRAINAGE AREA.--5,090 mi² (13,200 km²), approximately.

PERIOD OF RECORD.--October 1929 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,763.68 ft (537.570 m) above mean sea level, datum of 1929. Prior to May 28, 1933, nonrecording gage at same site and May 28, 1933, to Nov. 7, 1939, at site 300 ft (90 m) downstream, both at datum 2.53 ft (0.771 m) higher. Nov. 8, 1939, to Mar. 31, 1942, nonrecording gage at site 300 ft (90 m) downstream at datum 2.00 ft (0.610 m) higher. Apr. 1, 1942, to Sept. 30, 1970, water-stage recorder at site 300 ft (90 m) downstream at same datum.

AVERAGE DISCHARGE.--46 years, 224 ft³/s (6.344 m³/s), 162,300 acre-ft/yr (200 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 5,910 ft³/s (167 m³/s) July 30, gage height, 10.30 ft (3.139 m); minimum, 38 ft³/s (1.08 m³/s) May 1, 10.

Period of record: Maximum discharge, 35,200 ft³/s (997 m³/s) Dec. 6, 1966, gage height, 15.66 ft (4.773 m), site then in use, from rating curve extended above 1,500 ft³/s (42.5 m³/s) on basis of slope-area measurement of peak flow; minimum, 38 ft³/s (1.08 m³/s) May 1, 10, 1975.

REMARKS.--Records fair. Diversion above station for irrigation of about 23,200 acres (93.9 km²). Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 959: 1932. WSP 979: 1930-31, 1933-37. WSP 1313: 1940 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	280	129	156	174	159	198	64	231	52	120	50
2	64	575	138	159	159	192	177	102	245	52	82	44
3	64	347	135	144	147	207	165	85	210	52	64	44
4	63	234	135	150	141	186	162	132	195	54	62	48
5	63	192	180	150	162	171	159	245	126	52	60	48
6	63	189	220	150	159	240	180	144	100	52	66	46
7	62	186	180	144	144	382	231	92	100	52	72	50
8	62	186	165	156	138	284	180	60	85	50	66	52
9	62	192	171	162	156	210	132	46	80	52	62	108
10	62	195	144	153	159	210	132	94	75	50	62	145
11	68	192	118	123	168	262	132	276	70	50	66	194
12	68	177	126	118	150	231	112	301	64	52	72	105
13	68	168	138	112	150	183	126	298	64	174	70	72
14	85	159	135	110	171	189	126	280	66	206	70	58
15	70	159	138	105	220	248	120	323	64	206	72	54
16	60	162	141	115	204	214	102	373	64	102	70	54
17	60	162	147	138	198	214	115	410	62	82	70	52
18	58	165	144	132	180	201	120	339	68	60	64	54
19	58	162	126	138	171	210	80	386	68	52	62	54
20	56	150	123	147	156	204	72	405	64	48	60	54
21	60	147	129	141	168	220	64	610	60	48	2380	54
22	64	147	135	144	165	207	58	435	60	48	1050	54
23	78	150	138	144	135	231	56	284	58	46	308	56
24	88	177	153	141	132	198	110	220	58	50	168	58
25	90	162	126	138	153	168	102	177	56	48	108	60
26	90	144	123	135	156	159	129	234	54	52	75	62
27	184	141	135	144	150	256	120	273	52	52	64	60
28	286	129	153	147	150	183	80	280	50	54	60	60
29	1610	135	162	141	---	141	52	207	48	383	52	58
30	475	135	171	138	---	162	50	198	50	1810	50	58
31	301	---	162	156	---	159	---	165	---	224	50	---
TOTAL	4606	5699	4520	4331	4516	6481	3642	7538	2647	4365	5757	1966
MEAN	149	190	146	140	161	209	121	243	88.2	141	186	65.5
MAX	1610	575	220	162	220	382	231	610	245	1810	2380	194
MIN	56	129	118	105	132	141	50	46	48	46	50	44
AC-FT	9140	11300	8970	8590	8960	12860	7220	14950	5250	8660	11420	3900

CAL YR 1974 TOTAL 46824 MEAN 128 MAX 1610 MIN 56 AC-FT 92880
WTR YR 1975 TOTAL 56068 MEAN 154 MAX 2380 MIN 44 AC-FT 111200

PEAK DISCHARGE (BASE, 1,600 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
10-29	0800	8.99	3,590	8-21	0200	10.2	4,910 (about)
7-30	0600	10.30	5,910	8-22	0230	8.22	2,260

GREAT SALT LAKE BASIN

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10010000 Great Salt Lake, Utah

LOCATION.--Lat 40°44'05", long 112°12'45", in NE¼SW¼NW¼ sec.17, T.1 S., R.3 W., Salt Lake County, at Salt Lake County Boat Harbor on southeast shore of lake, 17.1 miles (27.5 km) west of Salt Lake City.

PERIOD OF RECORD.--September 1875 to December 1899, October 1902 to current year. Records for October 1902 to September 1912 and diagram showing fluctuations of lake from 1851-1950, published only in WSP 1314.

GAGE.--Water-stage recorder at Boat Harbor since October 1938. Datum at gage since September 15, 1970 is 4,186.8 ft (1,276.14 m) above mean sea level, datum of 1929. October 1938 to April 15, 1967, at datum 4,186.9 ft (1,276.17 m) and April 15, 1967 to September 15 1970, at datum 4,186.85 ft (1,276.15 m). Prior to October 1938, staff gages at sites and datums as follows: September 1875 to October 1877 at Black Rock at datum 4,208.4 ft (1,282.72 m) above mean sea level, November 1877 to November 1879 at Farmington Bay at datum 4,206.9 ft (1,282.26 m) above mean sea level, November 1879 to April 1881 near Black Rock at datum 4,203.1 ft (1,281.10 m) above mean sea level, April 1881 to December 1899 at Garfield Landing at datum 4,198.5 ft (1,279.70 m) above mean sea level, and July 1903 to October 1938 at Saltair at datum 4,196.9 ft (1,279.22 m) above mean sea level. Staff gage at Midlake October 1902 to September 1956 at datum 4,197.9 ft (1,279.52 m) above mean sea level, datum of 1929.

EXTREMES.--Current year: Maximum elevation, 4,201.55 ft (1,280.632 m) June 15; minimum, 4,199.15 ft (1,279.901 m) Oct. 15.

Period of record: Maximum elevation observed, 4,210.9 ft (1,283.48 m) June 30, 1876; minimum, 4,191.35 ft (1,277.523 m) Oct. 15, Nov. 1, 1963.

Maximum elevation since 1851, 4,211.6 ft (1,283.70 m) in 1873, computed from traditional data by G. K. Gilbert and E. C. LaRue.

REMARKS.--To compensate for wind effect and seiches, elevations given for the gage are taken from a mean slope line defined by several days' gage-height graph, preceding and following 0001 hours, for the 1st and 15th of each month. Wind effects may cause substantial changes in elevations which are not shown in the published elevations.

REVISIONS(WATER YEARS).--WSP 1314: 1877, WRD Utah 1974: 1967-1973.

GAGE HEIGHT AND ELEVATION, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	Day	Gage height	Elevation
Oct.	1.....	12.45	4,199.25
	15.....	12.35	4,199.15
Nov.	1.....	12.50	4,199.30
	15.....	12.55	4,199.35
Dec.	1.....	12.55	4,199.35
	15.....	12.65	4,199.45
Jan.	1.....	12.75	4,199.55
	15.....	12.75	4,199.55
Feb.	1.....	12.85	4,199.65
	15.....	13.00	4,199.80
Mar.	1.....	13.15	4,199.95
	15.....	13.40	4,200.20
Apr.	1.....	13.65	4,200.45
	15.....	13.80	4,200.60
May	1.....	14.10	4,200.90
	15.....	14.35	4,201.15
June	1.....	14.55	4,201.35
	15.....	14.75	4,201.55
July	1.....	14.65	4,201.45
	15.....	14.60	4,201.40
Aug.	1.....	14.25	4,201.05
	15.....	13.95	4,200.75
Sept.	1.....	13.60	4,200.40
	15.....	13.40	4,200.20
Oct.	1.....	13.20	4,200.00

GREAT SALT LAKE BASIN

10010050 Great Salt Lake at Promontory Point, Utah

LOCATION.--Lat 41°12'55", long 112°29'55", in NE¼SW¼SE¼ sec.26, T.6 N., R.6 W., Box Elder County, at pipeline energy dissipator at head end of flume, 1.4 miles (2.3 km) west of Saline on south side of causeway, 500 ft (152 m) south of pumping plant, 27.3 miles (43.9 km) west of Ogden, and 31.1 miles (50.0 km) south of Thiokol.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder on pier of pipeline energy dissipator. Datum of gage, 4,190.00 ft (1,277.112 m) above mean sea level, datum of 1929. Levels from USGS BM 76FMK.

EXTREMES.--Current year: Maximum elevation, 4,201.60 ft (1,280.648 m) June 15, July 1; minimum, 4,199.20 ft (1,279.916 m) Oct. 15.
Period of record: Maximum elevation observed, 4,201.60 ft (1,280.648 m) June 15, July 1, 1975; minimum, 4,194.30 ft (1,278.423 m) Oct. 1, 15, 1969.

REMARKS.--To compensate for wind effect and seiches, elevations given for the gage are taken from a mean slope line defined by several days' gage-height graph preceding and following 0001 hours, for the 1st and 15th of each month. Wind effects may cause substantial changes in elevations which are not shown in the published elevations.

GAGE HEIGHT AND ELEVATION, IN FEET, WATER YEARS OCTOBER 1968 TO NOVEMBER 1972

DAY	GAGE HEIGHT	ELEVATION	DAY	GAGE HEIGHT	ELEVATION
Oct. 1, 1968.....	4.15	4,194.30	Nov. 1, 1970.....	4.80	4,194.95
15.....	4.15	4,194.30	15.....	5.00	4,195.15
Nov. 1.....	4.30	4,194.45	Dec. 1.....	5.25	4,195.40
15.....	4.35	4,194.50	15.....	5.50	4,195.65
Dec. 1.....	4.45	4,194.60	Jan. 1, 1971.....	5.55	4,195.70
15.....	4.65	4,194.80	15.....	5.70	4,195.85
Jan. 1, 1969.....	4.85	4,195.00	Feb. 1.....	6.15	4,196.30
15.....	4.90	4,195.05	15.....	6.40	4,196.55
Feb. 1.....	5.45	4,195.60	Mar. 1.....	6.65	4,196.80
15.....	5.60	4,195.75	15.....	6.75	4,196.90
Mar. 1.....	5.95	4,196.10	Apr. 1.....	6.90	4,197.05
15.....	6.25	4,196.40	15.....	7.00	4,197.15
Apr. 1.....	6.65	4,196.80	May 1.....	*7.45	*4,197.60
15.....	6.85	4,197.00	15.....	7.70	4,197.85
May 1.....	6.95	4,197.10	June 1.....	7.80	4,197.95
15.....	7.00	4,197.15	15.....	7.95	4,198.10
June 1.....	6.80	4,196.95	July 1.....	7.85	4,198.00
15.....	6.60	4,196.75	15.....	7.75	4,197.90
July 1.....	6.50	4,196.65	Aug. 1.....	7.45	4,197.60
15.....	6.40	4,196.55	15.....	7.15	4,197.30
Aug. 1.....	6.10	4,196.25	Sept. 1.....	6.95	4,197.10
15.....	5.80	4,195.95	15.....	6.90	4,197.05
Sept. 1.....	5.50	4,195.65	Oct. 1.....	6.75	4,196.90
15.....	5.25	4,195.40	15.....	6.90	4,197.05
Oct. 1.....	5.05	4,195.20	Nov. 1.....	7.05	4,197.20
15.....	4.90	4,195.05	15.....	7.20	4,197.35
Nov. 1.....	5.15	4,195.30	Dec. 1.....	7.45	4,197.60
15.....	5.25	4,195.40	15.....	7.55	4,197.70
Dec. 1.....	5.35	4,195.50	Jan. 1, 1972.....	7.80	4,197.95
15.....	5.40	4,195.55	15.....	7.90	4,198.05
Jan. 1, 1970.....	5.50	4,195.65	Feb. 1.....	8.20	4,198.35
15.....	5.60	4,195.75	15.....	8.30	4,198.45
Feb. 1.....	6.05	4,196.20	Mar. 1.....	8.60	4,198.75
15.....	6.20	4,196.35	15.....	8.85	4,199.00
Mar. 1.....	6.25	4,196.40	Apr. 1.....	8.95	4,199.10
15.....	6.20	4,196.35	15.....	9.15	4,199.30
Apr. 1.....	6.15	4,196.30	May 1.....	9.45	4,199.60
15.....	6.05	4,196.20	15.....	9.50	4,199.65
May 1.....	6.15	4,196.30	June 1.....	9.40	4,199.55
15.....	6.20	4,196.35	15.....	9.30	4,199.45
June 1.....	6.20	4,196.35	July 1.....	9.05	4,199.20
15.....	6.20	4,196.35	15.....	8.90	4,199.05
July 1.....	6.10	4,196.25	Aug. 1.....	8.50	4,198.65
15.....	5.85	4,196.00	15.....	8.30	4,198.45
Aug. 1.....	5.55	4,195.70	Sept. 1.....	8.00	4,198.15
15.....	5.30	4,195.45	15.....	7.85	4,198.00
Sept. 1.....	---	a4,195.15	Oct. 1.....	7.75	4,197.90
15.....	4.85	4,195.00	15.....	7.85	4,198.00
Oct. 1.....	4.75	4,194.90	Nov. 1.....	8.00	4,198.15
15.....	4.70	4,194.85	15.....	8.20	4,198.35

* Estimated

a Interpolated

GREAT SALT LAKE BASIN

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10010050 Great Salt Lake at Promontory Point, Utah--Continued

GAGE HEIGHT AND ELEVATION, IN FEET, WATER YEARS DECEMBER 1972 TO SEPTEMBER 1975

DAY			DAY		
		GAGE HEIGHT ELEVATION			GAGE HEIGHT ELEVATION
Dec.	1, 1972.....	8.35 4,198.50	May	1, 1974.....	11.10 4,201.25
	15.....	8.40 4,198.55		15.....	11.15 4,201.30
Jan.	1, 1973.....	8.55 4,198.70	June	1.....	11.20 4,201.35
	15.....	8.65 4,198.80		15.....	11.20 4,201.35
Feb.	1.....	8.90 4,199.05	July	1.....	10.85 4,201.00
	15.....	9.10 4,199.25		15.....	10.50 4,200.65
Mar.	1.....	9.30 4,199.45	Aug.	1.....	10.20 4,200.35
	15.....	9.70 4,199.85		15.....	9.75 4,199.90
Apr.	1.....	10.10 4,200.25	Sept.	1.....	9.50 4,199.65
	15.....	10.15 4,200.30		15.....	9.25 4,199.40
May	1.....	10.25 4,200.40	Oct.	1.....	9.10 4,199.25
	15.....	10.35 4,200.50		15.....	9.05 4,199.20
June	1.....	10.40 4,200.55	Nov.	1.....	9.10 4,199.25
	15.....	10.25 4,200.40		15.....	9.20 4,199.35
July	1.....	10.00 4,200.15	Dec.	1.....	9.25 4,199.40
	15.....	9.80 4,199.95		15.....	9.40 4,199.55
Aug.	1.....	9.60 4,199.75	Jan.	1, 1975.....	9.45 4,199.60
	15.....	9.35 4,199.50		15.....	9.50 4,199.65
Sept.	1.....	9.10 4,199.25	Feb.	1.....	9.60 4,199.75
	15.....	9.05 4,199.20		15.....	9.70 4,199.85
Oct.	1.....	9.10 4,199.25	Mar.	1.....	9.85 4,200.00
	15.....	9.15 4,199.30		15.....	10.05 4,200.20
Nov.	1.....	9.10 4,199.25	Apr.	1.....	10.35 4,200.50
	15.....	9.15 4,199.30		15.....	10.55 4,200.70
Dec.	1.....	9.30 4,199.45	May	1.....	10.85 4,201.00
	15.....	9.40 4,199.55		15.....	11.05 4,201.20
Jan.	1, 1974.....	9.50 4,199.65	June	1.....	11.40 4,201.55
	15.....	9.60 4,199.75		15.....	11.45 4,201.60
Feb.	1.....	9.80 4,199.95	July	1.....	11.45 4,201.60
	15.....	9.95 4,200.10		15.....	11.40 4,201.55
Mar.	1.....	10.15 4,200.30	Aug.	1.....	10.95 4,201.10
	15.....	10.45 4,200.60		15.....	10.65 4,200.80
Apr.	1.....	10.65 4,200.80	Sept.	1.....	10.20 4,200.35
	15.....	10.95 4,201.10		15.....	10.05 4,200.20
			Oct.	1.....	9.85 4,200.00

a. No record, gage height estimated.

GREAT SALT LAKE BASIN

10010100 Great Salt Lake near Saline, Utah

LOCATION.--Lat 41°15'30", long 112°29'58", in NE¼SW¼SW¼ sec.11, T.6 N., R.6 W., Box Elder County, 3.4 miles (5.5 km) north of Saline at the Southern Pacific Causeway boat harbor, 27.4 miles (44.1 km) west of Ogden and 28.2 miles (45.4 km) south of Thiokol.

PERIOD OF RECORD.--April 1966 to current year.

GAGE.--Water-stage recorder on pier of boat harbor. Datum of gage, 4,189.976 ft (1,277.105 m) above mean sea level, datum of 1929 by levels from U.S. Topographic Division, B.M. 78FMK.

EXTREMES.--Current year: Maximum elevation, 4,199.25 ft (1,279.931 m) May 1, 15, June 1; minimum, 4,197.80 ft (1,279.489 m) Oct. 15.

Period of record: Maximum elevation observed, 4,199.25 ft (1,279.931 m) May 1, 15, June 1, 1975; minimum, 4,192.70 ft (1,277.935 m) Oct. 15, Nov. 1, 1966.

REMARKS.--To compensate for wind effect and seiches, elevations given for the gage are taken from a mean slope line defined by several days' gage-height graph preceding and following 0001 hours, for the 1st and 15th of each month. Wind effects may cause substantial changes in elevations which are not shown in the published elevations.

GAGE HEIGHT AND ELEVATION, IN FEET, WATER YEARS APRIL 1966 TO MAY 1970

DAY	GAGE HEIGHT	ELEVATION	DAY	GAGE HEIGHT	ELEVATION
Apr. 1, 1966.....	-	-	May 1, 1968.....	4.65	4,194.65
15.....	-	*4,194.90	15.....	4.70	4,194.70
May 1.....	-	*4,194.90	June 1.....	4.65	4,194.65
15.....	-	*4,194.90	15.....	4.80	4,194.80
June 1.....	-	*4,194.90	July 1.....	4.65	4,194.65
15.....	-	*4,194.60	15.....	4.55	4,194.55
July 1.....	4.30	4,194.30	Aug. 1.....	4.25	4,194.25
15.....	4.15	4,194.15	15.....	4.15	4,194.15
Aug. 1.....	3.85	4,193.85	Sept. 1.....	4.05	4,194.05
15.....	3.60	4,193.60	15.....	3.90	4,193.90
Sept. 1.....	3.30	4,193.30	Oct. 1.....	3.75	4,193.75
15.....	3.20	4,193.20	15.....	3.65	4,193.65
Oct. 1.....	3.05	4,193.05	Nov. 1.....	3.75	4,193.75
15.....	2.85	4,192.85	15.....	3.80	4,193.80
Nov. 1.....	2.85	4,192.85	Dec. 1.....	3.85	4,193.85
15.....	2.95	4,192.95	15.....	3.95	4,193.95
Dec. 1.....	2.95	4,192.95	Jan. 1, 1969.....	4.20	4,194.20
15.....	3.10	4,193.30	15.....	4.30	4,194.30
Jan. 1, 1967.....	3.05	4,193.05	Feb. 1.....	4.75	4,194.75
15.....	3.10	4,193.10	15.....	5.00	4,195.90
Feb. 1.....	-	-	Mar. 1.....	5.30	4,195.30
15.....	-	-	15.....	5.50	4,195.50
Mar. 1.....	3.50	4,193.50	Apr. 1.....	5.65	4,195.65
15.....	3.60	4,193.60	15.....	5.90	4,195.90
Apr. 1.....	3.65	4,193.65	May 1.....	5.95	4,195.95
15.....	3.75	4,193.75	15.....	6.00	4,196.00
May 1.....	3.75	4,193.75	June 1.....	5.90	4,195.90
15.....	3.90	4,193.90	15.....	5.80	4,195.80
June 1.....	3.95	4,193.95	July 1.....	5.70	4,195.70
15.....	4.20	4,194.20	15.....	5.55	4,195.55
July 1.....	4.35	4,194.35	Aug. 1.....	5.30	4,195.30
15.....	4.30	4,194.30	15.....	5.05	4,195.05
Aug. 1.....	-	-	Sept. 1.....	4.80	4,194.80
15.....	3.90	4,193.90	15.....	4.70	4,194.70
Sept. 1.....	3.70	4,193.70	Oct. 1.....	4.50	4,194.50
15.....	3.55	4,193.55	15.....	4.30	4,194.30
Oct. 1.....	3.40	4,193.40	Nov. 1.....	4.35	4,194.35
15.....	3.35	4,193.35	15.....	4.40	4,194.40
Nov. 1.....	3.30	4,193.30	Dec. 1.....	4.45	4,194.45
15.....	3.40	4,193.40	15.....	4.60	4,194.60
Dec. 1.....	3.40	4,193.40	Jan. 1, 1970.....	4.70	4,194.70
15.....	3.40	4,193.40	15.....	4.85	4,194.85
Jan. 1, 1968.....	3.50	4,193.50	Feb. 1.....	5.10	4,195.10
15.....	3.60	4,193.60	15.....	5.25	4,195.25
Feb. 1.....	3.75	4,193.75	Mar. 1.....	5.30	4,195.30
15.....	3.90	4,193.90	15.....	5.35	4,195.35
Mar. 1.....	4.10	4,194.10	Apr. 1.....	5.35	4,195.35
15.....	4.35	4,194.35	15.....	5.35	4,195.35
Apr. 1.....	4.60	4,194.60	May 1.....	5.35	4,195.35
15.....	4.65	4,194.65	15.....	5.40	4,195.40

* Elevations from reference point.

GREAT SALT LAKE BASIN

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10010100 Great Salt Lake near Saline, Utah

GAGE HEIGHT AND ELEVATION, IN FEET, WATER YEARS JUNE 1970 TO SEPTEMBER 1975

DAY	GAGE HEIGHT	ELEVATION	DAY	GAGE HEIGHT	ELEVATION
June 1, 1970.....	5.35	4,195.35	Feb. 1, 1973.....	7.65	4,197.65
15.....	5.35	4,195.35	15.....	7.80	4,197.80
July 1.....	5.25	4,195.25	Mar. 1.....	8.00	4,198.00
15.....	5.15	4,195.15	15.....	8.30	4,198.30
Aug. 1.....	4.95	4,194.95	Apr. 1.....	8.50	4,198.50
15.....	4.75	4,194.75	15.....	8.55	4,198.55
Sept. 1.....	4.50	4,194.50	May 1.....	8.70	4,198.70
15.....	4.25	4,194.25	15.....	8.70	4,198.70
Oct. 1.....	4.15	4,194.15	June 1.....	8.75	4,198.75
15.....	4.10	4,194.10	15.....	8.70	4,198.70
Nov. 1.....	4.10	4,194.10	July 1.....	8.60	4,198.60
15.....	4.25	4,194.25	15.....	8.55	4,198.55
Dec. 1.....	4.35	4,194.35	Aug. 1.....	8.40	4,198.35
15.....	4.50	4,194.50	15.....	8.25	4,198.20
Jan. 1, 1971.....	4.70	4,194.70	Sept. 1.....	8.00	4,197.95
15.....	4.80	4,194.80	15.....	7.95	4,197.90
Feb. 1.....	5.00	4,195.00	Oct. 1.....	7.80	4,197.75
15.....	5.25	4,195.25	15.....	7.65	4,197.60
Mar. 1.....	5.45	4,195.45	Nov. 1.....	7.65	4,197.60
15.....	5.55	4,195.55	15.....	7.70	4,197.65
Apr. 1.....	5.80	4,195.80	Dec. 1.....	7.80	4,197.75
15.....	5.90	4,195.90	15.....	7.90	4,197.85
May 1.....	6.35	4,196.35	Jan. 1, 1974.....	8.15	4,198.10
15.....	6.50	4,196.50	15.....	8.30	4,198.25
June 1.....	6.60	4,196.60	Feb. 1.....	8.55	4,198.50
15.....	6.75	4,196.75	15.....	8.65	4,198.60
July 1.....	6.65	4,196.65	Mar. 1.....	8.85	4,198.80
15.....	6.60	4,196.60	15.....	9.05	4,199.00
Aug. 1.....	6.45	4,196.45	Apr. 1.....	9.10	4,199.05
15.....	6.30	4,196.30	15.....	9.25	4,199.20
Sept. 1.....	6.10	4,196.10	May 1.....	9.35	4,199.30
15.....	6.10	4,196.10	15.....	9.35	4,199.30
Oct. 1.....	5.90	4,195.90	June 1.....	9.35	4,199.30
15.....	5.95	4,195.95	15.....	9.30	4,199.25
Nov. 1.....	6.00	4,196.00	July 1.....	9.20	4,199.15
15.....	6.20	4,196.20	15.....	9.00	4,198.95
Dec. 1.....	6.30	4,196.30	Aug. 1.....	8.85	4,198.80
15.....	6.45	4,196.45	15.....	8.60	4,198.55
Jan. 1, 1972.....	6.75	4,196.75	Sept. 1.....	8.35	4,198.30
15.....	6.90	4,196.90	15.....	8.15	4,198.10
Feb. 1.....	7.15	4,197.15	Oct. 1.....	7.95	4,197.90
15.....	7.30	4,197.30	15.....	7.85	4,197.80
Mar. 1.....	7.50	4,197.50	Nov. 1.....	7.90	4,197.85
15.....	7.60	4,197.60	15.....	7.95	4,197.90
Apr. 1.....	7.70	4,197.70	Dec. 1.....	7.95	4,197.90
15.....	7.85	4,197.85	15.....	8.00	4,197.95
May 1.....	7.85	4,197.85	Jan. 1, 1975.....	8.00	4,197.95
15.....	7.95	4,197.95	15.....	8.15	4,198.10
June 1.....	7.95	4,197.95	Feb. 1.....	8.30	4,198.25
15.....	7.95	4,197.95	15.....	8.40	4,198.35
July 1.....	7.85	4,197.85	Mar. 1.....	8.55	4,198.50
15.....	7.70	4,197.70	15.....	8.60	4,198.55
Aug. 1.....	7.50	4,197.50	Apr. 1.....	8.75	4,198.70
15.....	7.35	4,197.35	15.....	8.80	4,198.75
Sept. 1.....	7.10	4,197.10	May 1.....	8.90	4,198.85
15.....	6.95	4,196.95	15.....	9.05	4,199.00
Oct. 1.....	6.80	4,196.80	June 1.....	9.20	4,199.15
15.....	6.80	4,196.80	15.....	9.25	4,199.20
Nov. 1.....	6.85	4,196.85	July 1.....	9.25	4,199.20
15.....	7.00	4,197.00	15.....	9.30	4,199.25
Dec. 1.....	7.10	4,197.10	Aug. 1.....	9.25	4,199.20
15.....	7.15	4,197.15	15.....	9.20	4,199.15
Jan. 1, 1973.....	7.30	4,197.30	Sept. 1.....	9.00	4,198.95
15.....	7.45	4,197.45	15.....	8.90	4,198.85
			Oct. 1.....	8.80	4,198.75

BEAR RIVER BASIN

10010400 East Fork Bear River near Evanston, Wyo.

LOCATION.--Lat 40°52'25", long 110°47'00", in SE¼SW¼ sec.26, T.2 N., R.10 E., Summit County, Utah, Wasatch National Forest, on right bank 4.1 mi (6.6 km) upstream from mouth, and 28.7 mi (46.2 km) south of Evanston.

DRAINAGE AREA.--34.6 mi² (89.6 km²).

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 8,760 ft (2,670 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 631 ft³/s (17.9 m³/s) July 4 (gage height, 4.15 ft or 1.265 m); minimum observed, 7.3 ft³/s (0.21 m³/s) Apr. 1.
Period of record: Maximum discharge, 631 ft³/s (17.9 m³/s) July 4, 1975 (gage-height, 4.15 ft or 1.265 m); minimum discharge, 5.9 ft³/s (0.17 m³/s) April 8, 1974.

REMARKS.--Records good except those for winter months, which are fair. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	15	11	10	8.0	10	7.3	11	137	452	146	32
2	13	17	11	10	8.0	10	8.0	11	168	471	130	32
3	13	16	12	10	8.0	9.0	8.0	12	189	484	118	30
4	15	18	11	10	8.0	9.0	8.0	11	174	502	110	29
5	17	21	10	10	9.0	9.0	9.0	10	214	485	104	28
6	16	18	11	9.0	9.0	10	9.0	9.4	278	471	98	28
7	16	16	11	9.0	9.0	10	8.0	9.8	333	485	97	27
8	15	14	11	9.0	9.0	9.0	8.0	9.2	358	474	93	26
9	15	12	11	9.0	9.0	9.0	8.0	11	288	446	88	27
10	14	12	11	9.0	9.0	9.0	8.0	15	210	426	83	29
11	14	12	12	9.0	9.0	8.0	8.0	22	198	418	80	31
12	13	12	12	9.0	9.0	8.0	8.0	21	229	407	83	30
13	13	12	12	9.0	9.0	8.0	8.0	22	301	417	80	30
14	13	12	12	9.0	9.0	8.0	9.0	32	415	396	73	30
15	13	11	12	9.0	9.0	8.0	9.0	42	455	378	69	28
16	13	11	12	8.0	9.0	8.0	10	66	446	405	65	26
17	13	11	12	8.0	9.0	8.0	11	81	363	339	60	25
18	12	11	12	8.0	9.0	9.0	10	109	313	294	56	23
19	12	11	12	8.0	9.0	10	9.0	123	241	269	54	23
20	12	11	12	8.0	9.0	9.0	9.0	120	203	248	54	23
21	14	11	12	8.0	9.0	8.0	10	94	184	235	54	22
22	14	11	12	8.0	9.0	8.0	10	86	168	229	50	21
23	17	11	12	8.0	9.0	8.0	11	67	185	217	47	20
24	16	11	12	8.0	9.0	9.0	11	65	240	198	45	20
25	14	12	12	8.0	9.0	10	12	75	285	183	43	19
26	13	12	11	8.0	9.0	9.0	12	83	237	172	41	19
27	13	12	11	8.0	9.0	8.0	11	79	275	162	40	18
28	14	12	11	8.0	9.0	8.0	10	73	336	156	38	18
29	15	12	11	8.0	---	8.0	10	74	383	162	36	18
30	14	12	11	8.0	---	8.0	10	90	423	210	35	17
31	14	---	11	8.0	---	8.0	---	107	---	171	33	---
TOTAL	433	389	356	268.0	248.0	270.0	279.3	1640.4	8229	10362	2203	749
MEAN	14.0	13.0	11.5	8.65	8.86	8.71	9.31	52.9	274	334	71.1	25.0
MAX	17	21	12	10	9.0	10	12	123	455	502	146	32
MIN	12	11	10	8.0	8.0	8.0	7.3	9.2	137	156	33	17
AC-FT	859	772	706	532	492	536	554	3250	16320	20550	4370	1490
CAL YR 1974 TOTAL	22402.0			MEAN 61.4	MAX 475	MIN 10		AC-FT 44430				
WTR YR 1975 TOTAL	25426.7			MEAN 69.7	MAX 502	MIN 7.3		AC-FT 50430				

BEAR RIVER BASIN

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10010500 Hilliard-East Fork Canal near State line, near Evanston, Wyo.

LOCATION.--Lat 40°54'49", long 110°49'25", in NW¼ sec.16, T.2 N., R.10 E., Summit County, Utah, Wasatch National Forest, on left bank 300 ft (91 m) downstream from road bridge, 0.8 mi (1.3 km) downstream from head, and 32 mi (51 km) south of Evanston.

PERIOD OF RECORD.--November 1941 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 8,500 ft (2,590 m) from topographic map.

AVERAGE DISCHARGE.--33 years (1942-75), 4.97 ft³/s (0.141 m³/s), 3,600 acre-ft/yr (4.44 hm³/yr).

EXTREMES.--Period of record: Maximum daily discharge, 44 ft³/s (1.25 m³/s) July 3-5, 8, 1963; no flow during winter and at other times each year except 1958.

REMARKS.--Records good. Canal diverts from East Fork Bear River for irrigation of about 2,600 acres (10.5 km²) in Hilliard Flat area in Wyoming.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										0	27	9.5
2										0	25	9.8
3										0	23	11
4										0	21	28
5										0	20	28
6										0	20	27
7										0	20	26
8										0	21	26
9										0	19	28
10										0	18	28
11										0	18	25
12										0	20	26
13										0	21	25
14										1.3	19	25
15										4.7	18	23
16										6.9	17	22
17										13	16	22
18										13	15	21
19										12	14	18
20										18	14	3.4
21										32	15	3.2
22										31	13	3.2
23										30	13	3.1
24										30	12	3.1
25										29	12	3.0
26										28	11	3.0
27										27	11	3.0
28										27	11	2.9
29					---					27	10	2.9
30					---					29	10	2.9
31		---			---		---		---	28	9.8	---
TOTAL	0	0	0	0	0	0	0	0	0	386.9	513.8	462.0
MEAN	0	0	0	0	0	0	0	0	0	12.5	16.6	15.4
MAX	0	0	0	0	0	0	0	0	0	32	27	28
MIN	0	0	0	0	0	0	0	0	0	0	9.8	2.9
AC-FT	0	0	0	0	0	0	0	0	0	767	1020	916
CAL YR 1974	TOTAL	938.94	MEAN 2.57	MAX 32	MIN 0	AC-FT 1860						
WTR YR 1975	TOTAL	1362.70	MEAN 3.73	MAX 32	MIN 0	AC-FT 2700						

BEAR RIVER BASIN

10011200 West Fork Bear River at Whitney Dam, near Oakley, Utah

LOCATION.--Lat 40°50'30", long 110°55'35", in NE¼ sec. 9, T.1 N., R.9 E., Summit County, Wasatch National Forest, on left bank, 1,380 ft (421 m) below Whitney Dam, 7 mi (11 km) upstream from Deer Creek, and 21.5 mi (34.6 km) northeast of Oakley.

DRAINAGE AREA.--6.79 mi² (17.59 km²).

PERIOD OF RECORD.--October 1963 to current year. Prior to October 1965 published as, "at Whitney Dam Site."

GAGE.--Water-stage recorder and concrete control with V-notch sharp-crested weir since Aug. 4, 1966. Altitude of gage is 9,120 ft (2,780 m) from topographic map.

AVERAGE DISCHARGE.--9 years (1967-75), 9.10 ft³/s (0.258 m³/s), 6,590 acre-ft/yr (8.13 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 126 ft³/s (3.57 m³/s) Sept. 8 (gage height, 2.97 ft or 0.905 m); minimum daily, 1.0 ft³/s (0.028 m³/s) on many days.

Period of record: Maximum discharge, 145 ft³/s (4.11 m³/s) June 13, 1965 (gage height, 1.95 ft or 0.594 m); maximum gage height, 3.08 ft (0.939 m) June 26, 1967; no flow July 24 to Sept. 30, Nov. 16-29, 1966.

REMARKS.--Records good. Flow regulated by Whitney Reservoir. Usable capacity between sill of outlet and spillway crest, 4,200 acre-ft (5.18 hm³). Dead storage 500 acre-ft (617,000 m³). Construction of dam began Aug. 1, 1965 and completed October 1966. Storage began July 24, 1966, and reached sill of outlet Nov. 20, 1966. No diversion above station.

REVISIONS.--WRD Utah 1973: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	1.6	1.0	1.0	1.3	1.4	1.5	1.5	2.0	73	9.7	2.7
2	1.8	1.6	1.0	1.0	1.4	1.4	1.5	1.5	2.0	72	8.8	4.0
3	1.8	1.6	1.0	1.0	1.4	1.4	1.5	1.5	2.0	70	8.2	102
4	1.8	1.6	1.0	1.0	1.4	1.4	1.6	1.9	2.0	75	7.5	105
5	1.8	1.6	1.0	1.0	1.4	1.4	1.6	1.5	2.0	74	7.0	110
6	1.8	1.6	1.0	1.0	1.4	1.4	1.6	1.5	2.0	67	6.6	117
7	1.9	1.6	1.0	1.0	1.4	1.4	1.5	1.5	3.0	58	6.3	118
8	1.8	1.5	1.0	1.0	1.4	1.4	1.4	1.5	4.0	57	5.7	118
9	1.8	1.5	1.0	1.0	1.4	1.4	1.4	1.5	5.0	56	5.4	116
10	1.9	1.3	1.0	1.0	1.4	1.5	1.5	1.5	4.5	53	5.2	115
11	1.9	1.3	1.0	1.0	1.4	1.5	1.6	1.5	4.0	49	5.0	116
12	1.7	1.0	1.0	1.0	1.4	1.5	1.6	1.5	3.5	46	5.0	114
13	1.6	1.0	1.0	1.0	1.4	1.5	1.6	1.5	3.0	28	5.4	113
14	1.6	1.0	1.0	1.1	1.4	1.5	1.6	1.5	2.5	25	5.3	103
15	1.6	1.0	1.0	1.1	1.4	1.5	2.0	1.5	2.3	32	5.2	95
16	1.6	1.0	1.0	1.2	1.4	1.5	2.0	1.5	2.3	31	5.0	90
17	1.6	1.0	1.0	1.2	1.4	1.5	1.9	2.0	2.3	29	4.6	84
18	1.6	1.0	1.0	1.2	1.4	1.5	1.8	3.0	2.3	25	4.2	77
19	1.6	1.0	1.0	1.2	1.4	1.5	1.7	4.0	2.3	22	3.8	70
20	1.6	1.0	1.0	1.2	1.3	1.5	1.6	5.0	2.4	19	4.0	62
21	1.6	1.0	1.0	1.3	1.3	1.5	1.5	4.0	2.4	17	4.7	45
22	1.7	1.0	1.0	1.2	1.3	1.5	1.5	3.0	2.5	15	5.2	36
23	1.7	1.0	1.0	1.2	1.3	1.5	1.5	2.5	2.5	14	4.6	30
24	1.6	1.0	1.0	1.2	1.3	1.5	1.5	2.0	2.6	13	3.9	23
25	1.6	1.0	1.0	1.2	1.3	1.6	1.5	2.0	2.7	12	3.5	16
26	1.6	1.0	1.0	1.3	1.3	1.6	1.5	2.0	2.7	11	3.4	11
27	1.6	1.0	1.0	1.3	1.3	1.4	1.5	2.0	3.5	11	3.4	8.6
28	1.6	1.0	1.0	1.3	1.3	1.4	1.5	2.0	33	12	3.3	7.7
29	1.6	1.0	1.0	1.3	---	1.4	1.5	2.0	71	13	3.1	7.2
30	1.6	1.0	1.0	1.3	---	1.5	1.5	2.0	75	13	3.0	7.0
31	1.6	---	1.0	1.3	---	1.5	---	2.0	---	11	2.9	---
TOTAL	52.4	35.8	31.0	35.1	38.2	45.5	47.5	63.9	253.3	1103	158.9	2059.2
MEAN	1.69	1.19	1.00	1.13	1.36	1.47	1.58	2.06	8.44	35.6	5.13	68.6
MAX	1.9	1.6	1.0	1.3	1.4	1.6	2.0	5.0	75	75	9.7	118
MIN	1.6	1.0	1.0	1.0	1.3	1.4	1.4	1.5	2.0	11	2.9	2.7
AC-FT	104	71	61	70	76	90	94	127	502	2190	315	4080
CAL YR 1974	TOTAL	4714.03		MEAN 12.9	MAX 100	MIN .52	AC-FT 9350					
WTR YR 1975	TOTAL	3923.80		MEAN 10.8	MAX 118	MIN 1.0	AC-FT 7780					

BEAR RIVER BASIN

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10011400 West Fork Bear River below Deer Creek, near Evanston, Wyo.

LOCATION.--Lat 40°56'40", long 110°51'40", in NW¼ SW¼ sec. 6, T.2 N., R.10 E., Summit County, Utah, on left bank 0.8 mi (1.3 km) downstream from Deer Creek, 2.1 mi (3.4 km) upstream from mouth, and 22.9 mi (36.8 km) south of Evanston.

DRAINAGE AREA.--52.2 mi² (135.2 km²).

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 8,190 ft (2,496 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 511 ft³/s (14.5 m³/s) June 8 (gage height, 4.00 ft or 1.219 m); minimum daily, 6.5 ft³/s (0.18 m³/s) Jan. 25.
Period of record: Maximum discharge, 511 ft³/s (14.5 m³/s) June 8, 1975 (gage height, 4.00 ft or 1.219 m); minimum daily discharge, 6.5 ft³/s (0.18 m³/s) Jan. 25, 1975.

REMARKS.--Records good except those for winter period, which are fair. Flow regulated by Whitney Reservoir. Usable capacity between sill of outlet and spillway crest, 4,200 acre-ft (5.18 hm³). Dead storage 500 acre-ft (617,000 m³). Construction of dam began Aug. 1, 1965 and completed October 1966. Storage began July 24, 1966, and reached sill of outlet Nov. 20, 1966. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	15	12	11	8.0	8.2	12	14	288	257	41	14
2	11	14	12	11	8.0	8.6	12	13	326	250	38	47
3	11	13	12	11	8.9	7.9	12	14	320	244	35	142
4	14	13	12	11	8.4	8.0	12	17	295	252	32	142
5	16	13	15	11	8.1	8.0	10	18	327	253	31	141
6	14	13	13	11	8.0	7.8	9.1	15	340	235	29	139
7	14	13	12	11	8.0	7.6	9.0	14	386	215	28	137
8	13	12	12	11	8.4	8.0	9.0	13	429	208	26	136
9	13	12	12	11	8.0	7.1	9.0	17	311	193	25	136
10	13	12	12	11	8.0	7.1	10	27	225	177	25	135
11	12	12	12	11	8.0	6.9	12	36	218	168	24	133
12	12	12	12	11	8.0	7.0	15	31	254	163	26	131
13	12	11	12	11	7.8	8.0	18	33	284	136	27	129
14	12	11	12	11	7.5	7.9	20	51	315	120	25	124
15	11	11	12	11	8.0	8.0	21	70	309	129	25	116
16	11	11	12	11	8.0	8.0	18	93	286	121	24	108
17	11	11	12	11	9.0	8.0	15	122	244	113	22	100
18	11	11	12	11	9.0	8.0	13	164	272	94	21	93
19	11	11	12	11	9.0	8.0	12	217	221	85	21	85
20	11	11	13	11	9.0	8.0	11	207	201	78	23	80
21	14	11	13	11	9.0	8.0	11	142	206	72	25	66
22	14	11	13	11	9.0	8.0	10	104	174	62	26	54
23	17	11	13	8.6	10	8.0	11	89	170	57	22	46
24	15	11	13	7.1	11	8.0	13	118	187	53	20	37
25	14	11	12	6.5	11	8.4	14	143	195	49	19	28
26	13	11	12	7.0	11	9.0	14	134	160	47	18	22
27	13	11	12	7.0	11	9.0	14	137	168	46	18	18
28	14	11	11	7.0	8.2	9.0	15	117	203	50	18	17
29	14	12	11	7.0	---	9.0	14	130	249	59	16	16
30	14	12	11	7.0	---	10	14	188	261	53	16	15
31	14	---	11	7.0	---	11	---	235	---	46	15	---
TOTAL	400	354	377	306.2	245.3	253.5	389.1	2723	7824	4085	761	2587
MEAN	12.9	11.8	12.2	9.88	8.76	8.18	13.0	87.8	261	132	24.5	86.2
MAX	17	15	15	11	11	11	21	235	429	257	41	142
MIN	11	11	11	6.5	7.5	6.9	9.0	13	160	46	15	14
AC-FT	793	702	748	607	487	503	772	5400	15520	8100	1510	5130
CAL YR 1974 TOTAL	21922.0			MEAN 60.1	MAX 379	MIN	10	AC-FT 43480				
WTR YR 1975 TOTAL	20305.1			MEAN 55.6	MAX 429	MIN	6.5	AC-FT 40280				

BEAR RIVER BASIN

10011500 Bear River near Utah-Wyoming State Line

LOCATION.--Lat 40°57'55", long 110°51'10", in SE¼ sec. 30, T.3 N., R.10 E., Summit County, Utah, on left bank just downstream from West Fork, 2.8 mi (4.5 km) upstream from Utah-Wyoming State line.

DRAINAGE AREA.--172 mi² (445 km²).

PERIOD OF RECORD.--July 1942 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,965 ft (2,427.7 m) from river-profile map.

AVERAGE DISCHARGE.--33 years, 194 ft³/s (5.49 m³/s), 140,600 acre-ft/yr (173 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,210 ft³/s (62.6 m³/s) June 16 (gage height, 3.50 ft or 1.067 m); minimum daily, 35 ft³/s (0.99 m³/s) Nov. 18.

Period of record: Maximum discharge, 2,980 ft³/s (84.4 m³/s) June 6, 1968 (gage height, 3.79 ft or 1.155 m); maximum gage height 4.27 ft (1.301 m) June 6, 1957; minimum discharge determined, 16 ft³/s (0.45 m³/s) Apr. 11, 1951, Nov. 5, 1954, Nov. 1, 1955, Oct. 30, 1956.

REMARKS.--Records good except those for winter periods, which are fair. Flow regulated slightly by Whitney Reservoir completed 1966. Usable capacity 4,200 acre-ft (5.18 hm³). Three diversions above station for irrigation of about 265 acres (107,000 m²) above and 2,600 acres (10.5 km²) below station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	49	40	40	40	43	46	45	734	1480	319	64
2	46	46	40	40	40	44	45	47	897	1550	263	91
3	46	45	40	40	42	43	45	54	1000	1520	227	185
4	53	40	40	40	41	41	44	63	887	1590	199	168
5	59	45	37	40	40	46	42	56	1010	1510	184	165
6	56	45	36	40	40	44	42	51	1160	1390	170	169
7	55	44	36	40	41	42	42	49	1380	1380	166	167
8	53	44	40	40	41	42	45	49	1680	1340	157	166
9	52	45	40	40	41	44	47	56	1220	1270	153	173
10	52	39	40	40	42	42	44	77	844	1240	145	176
11	50	37	40	40	42	44	47	107	788	1170	136	177
12	48	43	40	40	43	42	47	113	891	1160	144	174
13	47	41	40	40	43	46	45	104	1070	1080	160	176
14	47	38	40	40	44	45	43	162	1420	1070	142	175
15	46	39	45	40	47	45	42	224	1810	1050	134	161
16	46	36	45	40	45	43	42	290	1750	1070	128	149
17	46	37	45	45	45	49	41	372	1370	912	115	142
18	44	35	44	45	45	44	41	482	1260	765	107	129
19	43	37	39	50	45	44	42	624	1020	701	100	116
20	43	38	38	50	45	45	41	624	860	636	108	130
21	49	44	38	55	45	45	42	431	802	584	113	112
22	49	39	40	55	45	40	49	300	708	572	108	97
23	57	37	40	45	45	45	51	248	746	529	93	87
24	53	41	40	39	50	45	52	269	882	488	85	79
25	49	38	40	39	48	45	56	347	1060	447	81	71
26	47	37	40	40	45	45	49	327	828	412	78	62
27	47	40	40	40	42	45	44	352	910	382	79	59
28	48	40	40	40	42	45	48	297	1090	358	78	58
29	50	40	40	40	---	45	43	304	1240	382	73	57
30	48	40	40	40	---	48	46	446	1390	484	69	57
31	48	---	40	40	---	45	---	606	---	394	67	---
TOTAL	1523	1219	1243	1303	1214	1371	1353	7576	32707	28916	4181	3792
MEAN	49.1	40.6	40.1	42.0	43.4	44.2	45.1	244	1090	933	135	126
MAX	59	49	45	55	50	49	56	624	1810	1590	319	185
MIN	43	35	36	39	40	40	41	45	708	358	67	57
AC-FT	3020	2420	2470	2580	2410	2720	2680	15030	64870	57350	8290	7520

CAL YR 1974 TOTAL 76554 MEAN 210 MAX 1710 MIN 35 AC-FT 151800
WTR YR 1975 TOTAL 86398 MEAN 237 MAX 1810 MIN 35 AC-FT 171400

PEAK DISCHARGE (BASE, 1,100 ft³/s)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-8	0500	3.33	2040	7-5	0100	3.50	1970
6-16	0300	3.50	2210				

BEAR RIVER BASIN

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10015700 Sulphur Creek above reservoir, near Evanston, Wyo.

LOCATION.--Lat 41°08'38", long 110°48'19", in SE¼SW¼ sec.35, T.14 N., R.119 W., Uinta County, on right bank 1.2 mi (1.9 km) downstream from Willow Creek, 2 mi (3.2 km) upstream from Sulphur Creek Dam, and 11.5 mi (18.5 km) southeast of Evanston.

DRAINAGE AREA.--64.2 mi² (166.3 km²).

PERIOD OF RECORD.--October 1957 to current year. Monthly discharge only for October and November 1957, published in WSP 1734.

GAGE.--Water-stage recorder. Altitude of gage is 7,180 ft (2,188 m) from topographic map.

AVERAGE DISCHARGE.--18 years, 16.9 ft³/s (0.479 m³/s), 12,240 acre-ft/yr (15.1 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 353 ft³/s (10.0 m³/s) May 10 (gage height, 4.60 ft or 1.402 m); minimum, 0.28 ft³/s (0.008 m³/s) Sept. 2.
Period of record: Maximum discharge, 1,220 ft³/s (34.6 m³/s) Apr. 21, 1965 (gage height, 6.02 ft or 1.835 m); maximum gage height, 6.19 ft (1.887 m) Mar. 11, 1972 (backwater from ice); no flow at times most years.

REMARKS.--Records good except those for winter months, which are poor. Several diversions for irrigation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.36	4.3	3.5	3.0	4.5	6.0	5.6	26	116	15	2.4	.33
2	.36	5.4	3.5	3.0	4.5	7.0	5.7	50	138	15	1.9	.33
3	.39	5.4	3.5	3.0	4.5	7.0	5.7	98	151	18	1.3	.33
4	.45	5.4	4.0	3.0	4.0	7.0	15	141	124	20	1.2	.48
5	.45	5.4	4.5	3.0	4.0	6.0	20	112	126	16	1.2	.54
6	.45	4.5	5.0	3.0	4.0	6.0	40	63	132	14	3.4	.45
7	.45	5.1	4.5	3.0	4.0	7.0	35	39	155	12	4.9	.42
8	.45	4.9	4.0	3.0	4.0	8.0	30	53	178	8.9	4.5	.39
9	.45	4.0	3.5	3.0	4.0	8.0	25	104	120	9.2	5.6	.42
10	.42	4.7	3.3	3.0	4.0	8.0	30	176	102	10	6.7	.45
11	.51	4.7	3.3	3.0	4.5	8.0	31	152	60	12	6.1	.57
12	.92	4.3	3.3	3.0	4.5	9.0	35	107	53	31	6.1	.68
13	.84	5.4	3.2	3.5	5.0	9.0	44	61	59	20	6.7	1.6
14	.84	5.6	3.2	3.5	5.0	10	56	86	73	10	5.9	2.5
15	.84	5.1	3.1	3.5	5.0	10	56	105	57	10	5.9	2.5
16	.84	5.6	3.1	3.5	5.0	10	52	116	46	10	5.6	2.2
17	.92	4.9	3.0	3.5	4.5	9.0	40	124	34	17	4.9	2.4
18	1.0	5.4	3.0	3.5	4.5	9.0	29	121	106	8.9	4.0	2.8
19	1.0	5.4	2.9	3.5	4.5	9.0	22	145	113	9.2	3.4	.45
20	1.1	4.9	3.0	4.0	4.5	8.0	21	178	92	11	2.5	.45
21	1.3	5.6	3.0	4.0	4.5	7.0	28	86	149	10	2.7	.42
22	1.9	6.1	3.0	4.0	4.5	7.0	50	129	104	9.2	2.7	.36
23	2.4	5.1	3.0	4.0	4.5	7.0	75	156	58	6.7	2.0	.36
24	2.5	4.5	3.0	4.0	4.5	6.0	45	112	45	2.5	1.2	.36
25	1.9	4.3	3.0	4.5	4.5	6.0	54	116	39	2.0	1.0	.42
26	2.2	4.0	3.0	4.5	4.6	5.6	45	75	30	2.0	.92	.33
27	2.2	4.0	3.0	4.0	4.6	5.6	31	86	23	2.0	.84	.30
28	2.4	4.0	3.0	4.0	5.0	5.6	27	72	24	2.5	.76	.30
29	2.7	3.8	3.0	4.0	---	5.6	22	86	21	4.0	.54	.30
30	3.4	3.6	3.0	4.0	---	5.6	24	84	14	4.9	.39	.30
31	3.6	---	3.0	4.0	---	5.6	---	107	---	2.7	.36	---
TOTAL	39.54	145.4	103.4	109.5	125.2	227.6	999.0	3166	2542	325.7	97.61	23.74
MEAN	1.28	4.85	3.34	3.53	4.47	7.34	33.3	102	84.7	10.5	3.15	.79
MAX	3.6	6.1	5.0	4.5	5.0	10	75	178	178	31	6.7	2.8
MIN	.36	3.6	2.9	3.0	4.0	5.6	5.6	26	14	2.0	.36	.30
AC-FT	78	288	205	217	248	451	1980	6280	5040	646	194	47
CAL YR 1974	TOTAL	11463.13	MEAN	31.4	MAX	409	MIN	.24	AC-FT	22740		
WTR YR 1975	TOTAL	7904.69	MEAN	21.7	MAX	178	MIN	.30	AC-FT	15680		

BEAR RIVER BASIN

10015900 Sulphur Creek below reservoir, near Evanston, Wyo.

LOCATION.--Lat 41°09'21", long 110°50'05", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.14 N., R.119 W., Uinta County, on left bank 400 ft (122 m) downstream from Sulphur Creek Dam 6.3 mi (10.1 km) upstream from mouth, and 10.5 mi (16.9 km) southeast of Evanston.

DRAINAGE AREA.--69.2 mi² (179.2 km²).

PERIOD OF RECORD.--April 1958 to current year.

GAGE.--Water-stage recorder and concrete V-notch control. Altitude of gage is 7,120 ft (2,170 m) from topographic map.

AVERAGE DISCHARGE.--6 years (1958-64), 11.2 ft³/s (0.317 m³/s) 8,110 acre-ft/yr (10.0 hm³/yr). 11 years (1964-75), 27.6 ft³/s (0.782 m³/s) 20,000 acre ft/yr (24.7 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 242 ft³/s (6.85 m³/s) June 22 (gage height, 3.00 ft or 0.914 m); no flow on many days.
1958-64: Maximum discharge, 164 ft³/s (4.64 m³/s) June 29, 1959 (gage height, 3.67 ft or 1.119 m); no flow at times each year.
1964-75: Maximum discharge, 425 ft³/s (12.0 m³/s) May 10, 1974 (gage height, 3.71 ft or 1.131 m); no flow at times each year except 1972.

REMARKS.--Records good. Flow regulated by Sulphur Creek Reservoir 400 ft (122 m) upstream (capacity, 7,100 acre-ft or 8.75 hm³). Enlargement completed November 1964. Prior to enlargement (capacity, 4,600 acre-ft or 5.67 hm³). Records prior to 1965 do not include flow over spillway of the dam.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0	1.6				0	25	1.4	30	9.9	16
2		0	1.7				0	25	1.3	5.2	9.9	22
3		0	1.7				0	25	1.3	5.2	9.1	41
4		0	1.7				0	80	1.3	5.4	8.3	41
5		0	1.7				12	130	1.2	5.4	7.8	40
6		0	1.7				25	130	1.2	5.6	8.1	40
7		.09	1.7				25	126	1.3	6.5	8.1	40
8		3.0	1.7				25	126	49	8.8	7.8	46
9		3.0	1.7				25	125	114	11	7.8	54
10		2.9	1.7				25	125	114	13	7.8	54
11		2.9	.92				25	126	114	15	8.1	53
12		3.0	0				25	126	106	28	8.3	53
13		3.0	0				25	126	81	50	8.8	53
14		3.9	0				25	126	80	50	9.6	53
15		4.9	0				25	125	65	42	9.3	53
16		4.9	0				25	125	22	39	9.3	57
17		4.7	0				25	125	22	45	9.3	68
18		4.9	0				25	120	22	42	8.5	68
19		4.7	0				25	87	98	36	7.8	67
20		4.7	0				25	88	136	31	7.4	67
21		4.7	0				25	94	161	26	9.8	63
22		4.9	0				25	119	208	22	19	45
23		4.9	0				25	119	168	18	19	44
24		4.9	0				25	120	136	15	19	44
25		4.9	0				25	153	95	13	19	44
26		4.9	0				25	176	54	11	19	38
27		4.9	0				25	174	55	10	19	12
28		4.9	0				25	172	54	10	19	12
29		3.8	0		---		25	109	54	9.6	19	12
30		1.6	0		---		25	7.8	55	10	18	12
31		---	0		---		---	1.4	---	10	16	---
TOTAL	0	94.99	17.82	0	0	0	637	3336.2	2072.0	628.7	366.8	1312
MEAN	0	3.17	.57	0	0	0	21.2	108	69.1	20.3	11.8	43.7
MAX	0	4.9	1.7	0	0	0	25	176	208	50	19	68
MIN	0	0	0	0	0	0	0	1.4	1.2	5.2	7.4	12
AC-FT	0	188	35	0	0	0	1260	6620	4110	1250	728	2600
CAL YR 1974	TOTAL	14518.71	MEAN 39.8	MAX 392	MIN 0	AC-FT 28800						
WTR YR 1975	TOTAL	8465.51	MEAN 23.2	MAX 208	MIN 0	AC-FT 16790						

BEAR RIVER BASIN

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10017000 Yellow Creek near Evanston, Wyo.

LOCATION.--Lat 41°08'39", long 111°03'08", in NW¼NW¼NW¼ sec.28, T.5 N., R.8 E., Summit County, Utah, on left bank 600 ft (183 m) downstream from Sage Creek, 1.5 mi (2.4 km) upstream from Coyote Creek, 1.8 mi (2.9 km) downstream from Barker Dam, and 9.8 mi (15.8 km) southwest of Evanston.

DRAINAGE AREA.--79.2 mi² (205.1 km²).

PERIOD OF RECORD.--October 1944 to September 1945, October 1949 to current year. Records for February 1943 to September 1944 at site 1.2 mi (1.9 km) downstream not equivalent, but would be equivalent by adding flow of Wright No. 2 and Cook Canals, in reports on Bear River Hydrometric Data, 1944 (Geological Survey open-file report).

GAGE.--Water-stage recorder. Altitude of gage is 6,920 ft (2,109 m) from river-profile map. Oct. 1, 1944 to Sept. 30, 1945, at site 500 ft (152 m) upstream, at different datums.

AVERAGE DISCHARGE.--27 years (1944-45, 1949-75), 10.9 ft³/s (0.309 m³/s), 7,900 acre-ft/yr (9.74 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 97 ft³/s (2.75 m³/s) June 9; maximum gage height 5.58 ft (1.701 m) May 20; minimum, no flow on many days.
Period of record: Maximum discharge, 477 ft³/s (13.5 m³/s) Apr. 28, 1952 (gage height, 7.04 ft or 2.146 m); maximum gage height, 7.05 ft (2.149 m) Mar. 12, 1972 (backwater from ice); no flow at times in most years.

REMARKS.--Records good except those for winter months, which are fair. One small diversion for irrigation of hay meadows above station. Flow regulated by Barker Reservoir (capacity, 162 acre-ft or 200,000 m³) completed in fall of 1959.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.33	2.7	2.4	2.5	3.0	5.1	5.5	18	58	17	8.3	1.6
2	.58	3.2	2.3	2.3	2.9	7.0	5.9	18	61	22	8.0	1.5
3	.30	3.5	2.2	2.1	2.9	7.0	8.0	20	71	24	7.7	1.4
4	.33	3.0	2.5	1.8	2.9	7.0	9.9	30	72	26	6.2	1.1
5	.30	2.9	2.8	1.6	2.9	7.0	12	33	60	25	6.4	.32
6	.30	2.8	3.0	1.9	2.8	6.8	18	29	63	24	5.2	0
7	.30	2.7	2.8	2.2	2.9	6.6	16	23	81	21	4.4	0
8	.33	2.7	2.4	2.0	2.9	6.2	15	22	96	20	3.8	0
9	.30	3.0	2.2	2.6	3.1	7.3	13	23	97	18	2.7	0
10	.33	3.0	1.9	2.7	3.1	6.4	13	29	67	17	2.4	0
11	.30	2.6	1.8	2.5	3.3	5.8	13	39	53	15	2.1	0
12	.41	2.5	1.9	2.5	3.4	6.0	14	46	48	12	2.5	0
13	.55	2.7	2.0	2.5	3.5	7.9	16	45	48	13	2.9	0
14	.63	2.7	2.1	2.6	3.6	7.6	19	43	51	13	2.7	0
15	.68	2.7	2.2	2.6	3.8	7.7	20	49	57	11	2.9	0
16	.81	2.6	2.2	2.6	3.8	8.7	21	53	57	11	2.3	0
17	1.0	2.3	2.4	2.7	3.6	8.8	20	55	54	9.3	2.2	0
18	1.2	2.5	2.6	2.7	3.5	8.9	19	57	47	8.8	1.3	0
19	1.3	2.4	2.5	2.7	3.6	8.7	16	57	54	8.5	.90	0
20	1.6	2.2	2.6	2.8	3.4	9.6	17	65	51	8.1	.64	0
21	1.9	2.8	2.7	2.7	3.7	9.0	19	90	53	7.9	.32	.41
22	2.6	3.4	2.8	2.6	3.4	8.5	20	58	57	7.8	.59	2.5
23	3.0	3.2	3.0	2.5	3.4	8.0	22	58	54	7.6	.95	2.7
24	2.8	2.9	2.7	2.6	3.2	8.0	23	57	43	8.0	1.6	2.9
25	2.2	2.9	2.4	3.0	3.2	8.0	29	56	39	8.4	1.7	2.8
26	2.1	3.0	2.4	3.6	3.2	7.5	29	58	35	8.3	.68	3.5
27	2.2	2.7	2.4	3.5	3.4	7.0	24	52	32	7.8	.17	3.4
28	2.3	3.0	2.4	3.4	3.8	6.5	21	54	22	7.5	1.3	.17
29	2.6	2.6	2.4	3.1	---	6.0	20	51	15	6.9	1.4	.03
30	2.5	2.5	2.5	3.2	---	5.5	19	51	16	8.0	1.4	0
31	2.5	---	2.5	3.1	---	5.5	---	55	---	8.5	1.5	---
TOTAL	38.58	83.7	75.0	81.2	92.2	225.6	517.3	1394	1612	410.4	87.15	24.33
MEAN	1.24	2.79	2.42	2.62	3.29	7.28	17.2	45.0	53.7	13.2	2.81	.81
MAX	3.0	3.5	3.0	3.6	3.8	9.6	29	90	97	26	8.3	3.5
MIN	.30	2.2	1.8	1.6	2.8	5.1	5.5	18	15	6.9	.17	0
AC-FT	77	166	149	161	183	447	1030	2760	3200	814	173	48
CAL YR 1974	TOTAL	8456.60	MEAN 23.2	MAX 293	MIN .30	AC-FT 16770						
WTR YR 1975	TOTAL	4641.46	MEAN 12.7	MAX 97	MIN 0	AC-FT 9210						

BEAR RIVER BASIN

10019500 Chapman Canal at State line, near Evanston, Wyo.

LOCATION.--Lat 41°24'24", long 111°02'26", in SE¼ sec.36, T.17 N., R.121 W., Uinta County, on left bank at highway bridge, 6.5 mi (10.5 km) downstream from headgates and 10 mi (16 km) northwest of Evanston.

PERIOD OF RECORD.--April 1942 to current year (prior to October 1944 Irrigation seasons only). Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder and flashboard control. Altitude of gage is 6,570 ft (2,003 m) from river-profile map. Prior to Oct. 11, 1946, nonrecording gage and Oct. 11, 1946 to Aug. 2, 1961, water-stage recorder at site 20 ft (6 m) downstream at same datum.

AVERAGE DISCHARGE.--31 years (1944-75), 20.1 ft³/s (0.570 m³/s) 14,560 acre-ft/yr (18.0 hm³/yr).

EXTREMES.--Period of record: Maximum daily discharge, 143 ft³/s (4.05 m³/s) June 24, 1970; no flow at times each year.

REMARKS.--Records fair. Canal diverts water from Bear River in NW¼ sec.36, T.16 N., R.121 W. Many diversions above station for irrigation in Wyoming. Flow at station is for storage in Neponset Reservoir, Utah, and irrigation in Saleratus basin, Utah.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	54				0	26	17	53	123	28	.36
2	6.8	56				0	24	17	66	114	28	.24
3	6.0	53				0	23	13	67	101	26	0
4	7.6	50				0	23	12	70	108	25	0
5	7.6	45				0	24	11	60	112	19	2.4
6	8.4	43				0	23	7.4	53	112	13	2.6
7	10	44				0	22	2.6	63	108	9.7	1.9
8	13	41				0	21	2.5	86	120	8.8	2.6
9	19	48				0	20	2.8	114	118	8.4	1.6
10	20	51				0	20	2.4	86	92	7.8	1.6
11	21	43				0	19	2.5	44	93	6.6	1.4
12	20	40				0	19	2.4	44	107	5.6	1.8
13	21	51				0	19	3.7	52	108	5.3	2.2
14	21	51				0	19	14	92	104	4.8	2.0
15	21	48				0	19	15	123	99	4.3	4.6
16	22	51				0	19	17	137	95	3.8	19
17	23	42				0	19	17	131	119	3.3	20
18	25	48				0	19	18	117	115	2.8	20
19	29	48				0	19	19	125	95	2.2	21
20	29	48				0	20	22	118	85	1.6	23
21	32	42				0	22	17	120	80	.67	27
22	38	59				0	23	16	120	79	1.0	24
23	44	56				15	21	16	107	85	4.3	20
24	50	47				28	19	11	119	83	1.9	21
25	49	39				28	19	15	129	79	.85	19
26	44	3.1				28	19	12	139	65	.94	18
27	39	2.2				28	18	13	134	48	.67	18
28	39	2.0				28	17	19	131	46	.58	17
29	41	1.3				28	17	30	126	32	.49	15
30	47	.49			---	28	17	29	131	25	.58	15
31	51	---			---	28	---	43	---	26	.49	---
TOTAL	812.0	1207.09	0	0	0	239	609	439.3	2957	2776	226.47	322.30
MEAN	26.2	40.2	0	0	0	7.71	20.3	14.2	98.6	89.5	7.31	10.7
MAX	51	59	0	0	0	28	26	43	139	123	28	27
MIN	6.0	.49	0	0	0	0	17	2.4	44	25	.49	0
AC-FT	1610	2390	0	0	0	474	1210	871	5870	5510	449	639
CAL YR 1974	TOTAL	8901.72	MEAN 24.4	MAX 122	MIN 0	AC-FT 17660						
WTR YR 1975	TOTAL	9588.16	MEAN 26.3	MAX 139	MIN 0	AC-FT 19020						

BEAR RIVER BASIN

157

10020100 Bear River above reservoir, near Woodruff, Utah

LOCATION.--Lat 41°26'04", long 111°01'01", in NW¼NW¼ sec.29, T.17 N., R.120 W., Uinta County, Wyoming, on right bank 9.3 mi (15.0 km) upstream from Woodruff Narrows Dam and 10 mi (16 km) southeast of Woodruff.

DRAINAGE AREA.--752 mi² (1,948 km²).

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,455 ft (1,967.5 m) from river-profile map.

AVERAGE DISCHARGE.--14 years, 259 ft³/s (7.33 m³/s) 187,600 acre-ft/yr (231 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,080 ft³/s (58.9 m³/s) June 10 (gage height, 5.34 ft or 1.628 m); minimum daily, 9.3 ft³/s (0.26 m³/s) Oct. 1.
Period of record: Maximum discharge, 3,340 ft³/s (94.6 m³/s) June 13, 14, 1965 (gage height, 5.89 ft or 1.795 m); minimum, 0.1 ft³/s (0.003 m³/s) Aug. 24, 1964.

REMARKS.--Records good except those for winter months, which are fair. Diversion for irrigation of about 43,500 acres (176 km²) above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	53	56	60	60	60	79	208	894	1310	232	22
2	9.8	64	62	60	60	65	63	232	1110	1350	202	18
3	12	60	64	60	60	65	62	285	1260	1420	172	20
4	13	50	71	60	60	68	82	447	1340	1490	152	27
5	13	37	76	60	60	70	95	566	1240	1540	127	22
6	14	31	76	60	60	70	123	465	1320	1490	105	20
7	19	31	72	60	60	70	116	370	1490	1390	77	22
8	23	28	62	60	60	70	103	345	1760	1340	69	25
9	18	31	54	60	60	70	90	380	2000	1270	66	27
10	15	38	57	60	60	70	86	465	1980	1180	56	31
11	15	31	60	60	60	80	101	548	1260	1120	52	40
12	14	24	57	60	60	80	116	584	1120	1230	48	49
13	15	24	62	60	60	80	132	494	1200	1250	52	53
14	15	33	59	60	60	80	169	482	1340	1140	66	64
15	15	28	62	70	60	80	187	572	1650	1070	63	69
16	15	31	54	70	60	80	218	686	1840	990	56	53
17	15	27	59	70	60	80	199	787	1850	1030	49	53
18	17	22	56	70	60	75	184	894	1570	831	44	52
19	18	27	54	70	60	100	169	1010	1590	674	37	50
20	16	24	56	70	58	140	190	1240	1380	584	34	50
21	17	26	60	60	55	152	211	1100	1400	512	34	59
22	22	43	63	60	55	150	239	960	1350	441	36	66
23	31	44	56	60	55	91	326	1000	1100	392	36	56
24	40	28	50	60	55	76	340	882	1060	335	31	57
25	43	32	53	60	55	99	370	870	1180	290	30	52
26	33	81	60	60	55	99	345	864	1160	239	29	50
27	26	76	60	60	55	74	277	850	960	205	28	44
28	23	74	60	60	55	60	225	838	972	175	28	32
29	26	74	60	60	---	60	214	769	1080	208	28	27
30	36	59	60	60	---	82	205	680	1210	218	27	29
31	48	---	60	60	---	99	---	769	---	258	25	---
TOTAL	646.1	1231	1871	1920	1638	2595	5316	20642	40666	26972	2091	1239
MEAN	20.8	41.0	60.4	61.9	58.5	83.7	177	666	1356	870	67.5	41.3
MAX	48	81	76	70	60	152	370	1240	2000	1540	232	69
MIN	9.3	22	50	60	55	60	62	208	894	175	25	18
AC-FT	1280	2440	3710	3810	3250	5150	10540	40940	80660	53500	4150	2460
CAL YR 1974	TOTAL	113637.8	MEAN	311	MAX	2060	MIN	6.6	AC-FT	225400		
WTR YR 1975	TOTAL	106827.1	MEAN	293	MAX	2000	MIN	9.3	AC-FT	211900		

BEAR RIVER BASIN

10020200 Woodruff Narrows Reservoir near Woodruff, Utah

LOCATION.--Lat 41°30'10", long 111°00'55", in sec.32, T.18 N., R.120 W., Uinta County, Wyoming, in gate house on dam, 5.6 mi (9.0 km) upstream from Wyoming-Utah State line, and 7.7 mi (12.4 km) east of Woodruff.

DRAINAGE AREA.--784 mi² (2,031 km²).

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

GAGE.--Water-stage recorder and mercury manometer. Datum of gage is 6,405 ft (1,952.2 m) from levels by Bureau of Reclamation.

EXTREMES.--Current year: Maximum contents, 33,080 acre-ft (40.8 hm³) June 10 (gage height, 38.3 ft or 11.67 m); minimum, 12,740 acre-ft (15.7 hm³) Oct. 5-24.

Period of record: Maximum contents, 33,080 acre-ft (40.8 hm³) May 11, 1974, June 10, 1975 (gage height, 38.3 ft or 11.67 m); minimum 6,480 acre-ft (7.99 hm³) Sept. 11-13, 1966.

REMARKS.--Reservoir formed by earth-fill, rock faced dam. Lower portion of spillway cut in natural rock. Storage began Jan. 5, 1962. Total capacity 28,000 acre-ft (34.5 hm³) below spillway crest, which includes 18,240 acre-ft (22.5 hm³) of Compact allocation for irrigation, 4,260 acre-ft (5.25 hm³) of irrigation holdover, 4,000 acre-ft (4.93 hm³) for winter release for fish propagation in Utah, and 1,500 acre-ft (1.85 hm³) of storage for fish propagation in Wyoming. Gage height of spillway is 35.3 ft (10.76 m). Figures given herein represent total contents.

Capacity table (gage height, in feet, and total contents, in acre-feet)

21	10,760	30	20,180
22	11,600	32	23,040
24	13,360	34	25,800
26	15,570	36	29,000
28	17,770	38	32,520

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12820	13090	14370	16600	18880	21180	27830	28710	30630	31690	28710	27550
2	12820	13180	14480	16710	19000	21320	27830	28710	31030	31690	28710	27550
3	12820	13270	14480	16810	19000	21600	27970	28860	31370	31850	28560	27550
4	12820	13270	14590	16810	19120	22020	28120	29180	31530	32020	28560	27550
5	12740	13360	14700	16920	19120	22450	28120	29550	31530	32020	28410	27550
6	12740	13360	14800	17020	19240	22740	28260	29550	31690	32020	28410	27550
7	12740	13360	14900	17020	19360	23160	28260	29370	31850	32020	28260	27550
8	12740	13470	14900	17130	19360	23410	28260	29370	32180	31850	28120	27370
9	12740	13470	15000	17130	19480	23760	28260	29370	32700	31690	28120	27370
10	12740	13470	15000	17230	19600	24010	28260	29550	33080	31530	28120	26840
11	12740	13580	15110	17330	19600	24140	28260	29740	32020	31370	28120	26490
12	12740	13580	15110	17330	19720	24410	28260	29930	31690	31530	27970	26140
13	12740	13580	15220	17440	19840	24560	28410	29740	31690	31530	27970	25970
14	12740	13580	15220	17440	19840	24860	28410	29740	31690	31370	27970	25650
15	12740	13580	15340	17550	19960	25010	28560	29930	32020	31370	27970	25500
16	12740	13580	15450	17550	20060	25010	28710	30080	32520	31200	27970	25010
17	12740	13580	15450	17660	20180	25170	28710	30230	32700	31200	27970	24710
18	12740	13690	15570	17660	20180	25340	28710	30410	32520	30850	27970	24410
19	12740	13690	15570	17770	20270	25500	28560	30850	32350	30410	27830	24140
20	12740	13690	15670	17770	20360	25800	28560	31370	32180	30230	27830	23890
21	12740	13690	15780	17890	20360	26140	28710	31370	32020	29930	27830	23640
22	12740	13800	15780	18000	20510	26320	28710	31200	32020	29740	27830	23520
23	12740	13800	15890	18130	20510	26490	28860	31030	31690	29550	27830	23290
24	12740	13910	16000	18130	20700	26660	29000	30850	31370	29370	27830	23160
25	12820	13910	16000	18260	20700	27020	29180	30850	31370	29180	27690	22890
26	12820	13910	16120	18260	20890	27200	29180	30630	31530	29000	27690	22590
27	12820	14030	16240	18390	21030	27200	29000	30630	31200	28860	27690	22310
28	12820	14140	16370	18510	21180	27370	28860	30630	31030	28710	27690	21880
29	12900	14260	16370	18640	---	27550	28860	30410	31200	28710	27690	21600
30	13000	14260	16490	18760	---	27550	28710	30410	31530	28560	27690	21320
31	13000	---	16600	18760	---	27690	---	30410	---	28710	27690	---
MAX	13000	14260	16600	18760	21180	27690	29180	31370	33080	32020	28710	27550
MIN	12740	13090	14370	16600	18880	21180	27830	28710	30630	28560	27690	21320
(+)	23.6	24.8	26.9	28.8	30.7	35.1	35.8	36.8	37.4	35.8	35.1	30.8
(±)	+100	+1260	+2340	+2160	+2420	+6510	+1020	+1700	+1120	-2820	-1020	-6370
CAL YR 1974.....	±			-8900								
WTR YR 1975.....	±			+8420								

+ Gage height, in feet, at 2400 of last day of month.

± Change in contents, in acre-feet.

BEAR RIVER BASIN

159

10020300 Bear River below reservoir, near Woodruff, Utah

LOCATION.--Lat 41°30'20", long 111°00'50", in NW¼NW¼ sec.32, T.18 N., R.120 W., Uinta County, Wyoming, on right bank, 1,100 ft (340 m) below Woodruff Narrows Dam, 1.6 mi (2.6 km) upstream from Salt Creek, 5.4 mi (8.7 km) upstream from Wyoming-Utah State line, and 7.7 mi (12.4 km) east of Woodruff.

DRAINAGE AREA.--784 mi² (2,031 km²).

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6,398.35 ft (1,950.217 m) above mean sea level (levels by Utah Water Resources Division from Bureau of Reclamation bench mark). Prior to Sept. 26, 1962, at site 175 ft (53.3 m) upstream at same datum.

AVERAGE DISCHARGE.--14 years, 252 ft³/s (7.15 m³/s) 182,600 acre-ft/yr (225 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,970 ft³/s (55.8 m³/s) June 11 (gage height, 7.02 ft or 2,140 m); minimum, 16 ft³/s (0.453 m³/s) Oct. 11, 13.
Period of record: Maximum discharge, 3,000 ft³/s (85.0 m³/s) June 14, 1965 (gage height, 7.88 ft or 2.402 m); no flow July 4, 5, 1962.

REMARKS.--Records excellent. Flow regulated by Woodruff Narrows Reservoir beginning January 1962 (see sta 10020200). Diversions for irrigation of about 43,500 acres (176 km²) above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	18	22	23	24	25	33	222	760	1200	212	34
2	20	18	22	23	24	25	40	218	864	1290	204	31
3	20	18	22	23	24	25	45	240	1030	1360	185	31
4	20	19	22	23	24	25	51	305	1210	1430	165	31
5	17	19	22	23	24	25	61	409	1210	1490	148	31
6	17	19	22	23	24	25	76	472	1230	1540	130	31
7	17	19	22	23	24	25	96	444	1330	1470	110	31
8	17	19	22	23	24	25	101	407	1510	1410	91	31
9	17	19	22	23	24	26	97	391	1710	1360	79	61
10	17	21	23	23	24	26	93	409	1960	1280	71	181
11	17	22	23	23	24	26	92	465	1750	1200	64	180
12	17	22	23	23	24	26	99	515	1350	1170	58	180
13	17	22	23	23	24	26	107	536	1230	1250	54	179
14	17	22	23	23	24	26	119	496	1250	1200	53	177
15	17	22	22	23	24	27	141	507	1410	1130	54	177
16	17	22	22	23	24	26	169	563	1610	1090	52	177
17	17	22	22	23	24	27	197	636	1770	1040	52	177
18	17	22	22	23	24	26	196	733	1770	988	48	177
19	17	22	22	23	24	27	185	826	1690	847	49	177
20	17	22	22	23	25	27	179	977	1590	723	40	177
21	17	22	22	23	25	27	186	1080	1490	623	40	177
22	17	22	22	23	25	27	201	1030	1470	534	41	177
23	17	22	22	23	25	27	242	990	1330	472	43	177
24	18	22	23	23	25	27	296	956	1170	417	34	177
25	18	22	23	23	25	27	331	859	1120	358	34	177
26	18	22	23	23	25	27	359	850	1180	308	32	176
27	18	22	23	23	25	27	339	821	1100	260	34	176
28	18	22	23	24	25	27	296	824	1000	230	33	175
29	18	22	23	24	---	27	262	790	993	223	31	175
30	18	22	23	24	---	27	241	730	1070	209	32	175
31	18	---	23	24	---	27	---	696	---	207	32	---
TOTAL	547	629	695	717	681	813	4930	19397	40157	28309	2305	4033
MEAN	17.6	21.0	22.4	23.1	24.3	26.2	164	626	1339	913	74.4	134
MAX	20	22	23	24	25	27	359	1080	1960	1540	212	181
MIN	17	18	22	23	24	25	33	218	760	207	31	31
AC-FT	1080	1250	1380	1420	1350	1610	9780	38470	79650	56150	4570	8000

CAL YR 1974 TOTAL 117695 MEAN 322 MAX 2210 MIN 17 AC-FT 233400
WTR YR 1975 TOTAL 103213 MEAN 283 MAX 1960 MIN 17 AC-FT 204700

BEAR RIVER BASIN

10020900 Woodruff Creek below reservoir, near Woodruff, Utah

LOCATION.--Lat 41°28'06", long 111°18'50", in SE¼SW¼ sec.31, T.9 N., R.6 E., Rich County, on left bank 0.2 mi (0.3 km) downstream from Woodruff Creek Dam, 4.8 mi (7.7 km) upstream from Birch Creek, and 8.5 mi (13.7 km) southwest of Woodruff.

DRAINAGE AREA.--50.0 mi² (129.5 km²).

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 6,770 ft (2,063 m) from topographic map.

AVERAGE DISCHARGE.--5 years, 32.9 ft³/s (0.932 m³/s), 23,840 acre-ft/yr (29.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 267 ft³/s (7.56 m³/s) June 7 (gage height, 3.06 ft or 0.933 m); no flow Nov. 1 to April 6.
Period of record: Maximum discharge, 327 ft³/s (9.26 m³/s) May 16, 1971 (gage height, 3.62 ft or 1.103 m). no flow during most of winter months each year except 1972, 1973.

REMARKS.--Records good. Flow regulated by Woodruff Creek reservoir (usable capacity, 3,650 acre-ft or 4.50 hm³). Dead storage, 450 acre-ft (555,000 m³). Dam is an earthfill structure with concrete spillway and outlet. Storage began Nov. 2, 1970 and first spilled Apr. 5, 1971.

REVISIONS (WATER YEARS).--WRD Utah 1972:1971.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5						0	13	196	50	46	6.2
2	7.5						0	13	218	48	46	6.2
3	7.5						0	13	222	48	45	6.2
4	7.5						0	13	218	45	42	6.2
5	7.5						0	13	220	54	40	6.2
6	7.5						0	12	242	104	37	6.2
7	7.5						.30	11	260	102	36	6.2
8	7.5						5.6	11	252	101	34	6.2
9	7.5						5.6	11	228	99	32	6.2
10	7.5						5.6	11	167	99	29	6.2
11	7.1						5.6	11	124	97	27	6.6
12	6.6						7.1	11	133	95	25	6.6
13	6.6						11	12	178	94	12	6.6
14	6.6						11	64	210	92	7.1	6.6
15	6.6						11	97	214	90	6.6	6.6
16	6.6						11	131	189	85	6.6	6.6
17	6.6						11	150	152	71	6.2	6.6
18	6.2						11	171	135	70	6.2	6.6
19	6.2						11	176	102	66	5.9	6.6
20	6.2						11	154	83	65	5.9	6.6
21	6.2						12	101	83	64	5.9	6.6
22	6.2						12	72	95	62	5.9	6.6
23	6.2						12	60	102	60	5.9	6.6
24	6.6						12	54	102	57	5.9	7.1
25	6.6						13	68	97	56	5.9	7.1
26	6.6						13	74	76	54	5.9	7.1
27	6.6						13	85	70	53	5.9	7.1
28	6.2						13	82	65	53	5.9	7.1
29	6.2						13	92	60	50	6.2	7.1
30	6.6						13	122	54	49	6.2	7.1
31	3.8	---			---	---	---	167	---	48	6.2	---
TOTAL	208.1	0	0	0	0	0	243.80	2075	4547	2181	561.3	197.5
MEAN	6.71	0	0	0	0	0	8.13	66.9	152	70.4	18.1	6.58
MAX	7.5	0	0	0	0	0	13	176	260	104	46	7.1
MIN	3.8	0	0	0	0	0	0	11	54	45	5.9	6.2
AC-FT	413	0	0	0	0	0	484	4120	9020	4330	1110	392
CAL YR 1974	TOTAL	10267.07	MEAN 28.1	MAX 264	MIN 0	AC-FT 20360						
WTR YR 1975	TOTAL	10013.70	MEAN 27.4	MAX 260	MIN 0	AC-FT 19860						

BEAR RIVER BASIN

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10021000 Woodruff Creek near Woodruff, Utah

LOCATION.--Lat 41°28'55", long 111°15'58", in SE¼SE¼ sec.28, T.9 N., R.6 E., Rich County, on left bank 1.2 mi (1.9 km) upstream from Birch Creek and 6 mi (10 km) southwest of Woodruff.

DRAINAGE AREA.--56.8 mi² (147.1 km²).

PERIOD OF RECORD.--October 1937 to September 1943, October 1949 to September 1975 (discontinued). Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 6,600 ft (2,010 m) from topographic map. Prior to June 21, 1939, nonrecording gage 0.5 mi (0.8 km) downstream at different datum. June 21, 1939 to Sept. 30, 1943, water-stage recorder at site 1.5 mi (2.4 km) upstream at different datum.

AVERAGE DISCHARGE.--27 years (1937-43, 1949-70), 26.8 ft³/s (0.759 m³/s) 19,420 acre-ft/yr (23.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 268 ft³/s (7.59 m³/s) June 7 (gage height, 5.24 ft or 1.597 m); minimum daily, 1.4 ft³/s (0.040 m³/s) Nov. 24.
Period of record: Maximum discharge, 528 ft³/s (15.0 m³/s) May 25, 1950 (gage height, 5.72 ft or 1.743 m); minimum, 1.1 ft³/s (0.031 m³/s) Mar. 9, 1963, Mar. 31, 1967.

REMARKS.--Records good except those for winter periods, which are fair. One small diversion above station for irrigation of about 20 acres (81,000 m²) of hay meadows above and below station. Flow regulated by Woodruff Creek reservoir (usable capacity, 3,650 acre-ft or 4.50 hm³). Dead storage, 450 acre-ft (555,000 m³). Dam is an earthfill structure with concrete spillway and outlet. Storage began Nov. 2, 1970 and first spilled Apr. 5, 1971.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	2.6	1.9	2.6	2.5	3.0	3.1	20	203	58	55	8.4
2	13	2.1	1.9	2.6	2.6	3.0	2.8	20	220	57	54	8.8
3	13	2.6	1.9	2.6	2.4	3.0	3.0	20	224	56	52	8.8
4	13	2.6	1.8	2.6	2.3	3.1	3.3	21	222	55	50	8.8
5	12	2.4	1.6	2.6	2.3	3.1	3.9	19	220	54	48	8.8
6	11	2.6	1.8	2.6	2.3	3.1	4.4	19	242	118	46	8.8
7	12	2.6	2.4	2.6	2.4	3.1	4.6	16	261	116	44	8.8
8	11	2.8	2.6	2.6	2.3	3.1	9.1	16	256	115	42	9.1
9	11	3.1	3.0	2.6	2.3	3.1	11	16	239	114	41	9.1
10	11	3.1	3.0	2.6	2.4	3.3	11	17	191	113	39	9.4
11	11	3.1	3.1	2.6	2.6	3.1	11	17	137	111	38	9.9
12	11	3.1	3.1	2.6	2.8	3.0	12	16	140	111	36	9.4
13	11	3.0	3.0	2.6	2.8	2.8	19	16	186	110	21	9.4
14	11	2.6	3.1	2.6	2.8	3.0	20	79	216	108	8.4	9.4
15	11	2.1	3.1	2.6	2.8	3.0	19	112	221	107	8.1	9.9
16	11	1.9	3.1	2.6	2.9	3.0	20	147	205	104	8.1	10
17	11	1.8	3.1	2.6	3.0	3.0	19	167	173	88	8.4	10
18	11	2.3	3.0	2.6	3.0	3.0	19	187	148	86	8.1	10
19	11	1.8	2.8	2.6	3.0	3.0	19	190	119	84	8.4	10
20	11	1.6	2.8	2.6	3.0	3.0	19	167	97	82	8.8	10
21	13	1.7	2.8	2.4	3.0	3.0	19	119	97	80	8.8	10
22	14	1.7	2.6	2.4	3.0	2.8	21	85	103	80	8.4	10
23	14	1.5	2.6	2.6	3.0	2.1	21	73	111	79	8.1	10
24	13	1.4	2.6	2.4	3.0	2.3	21	65	111	76	8.1	10
25	13	1.5	2.6	2.8	3.0	2.6	20	80	107	74	8.4	10
26	13	1.6	2.6	2.6	3.0	2.8	21	87	102	73	8.4	10
27	13	1.7	2.6	2.6	3.0	2.8	20	101	78	72	8.4	10
28	14	1.8	2.6	2.5	3.0	2.4	19	97	73	68	8.4	10
29	14	1.7	2.6	2.5	---	2.1	19	106	68	61	8.8	10
30	14	1.8	2.6	2.5	---	2.6	19	130	62	57	8.8	10
31	13	---	2.6	2.5	---	3.1	---	180	---	56	8.8	---
TOTAL	379	66.2	80.9	79.8	76.5	89.4	433.2	2405	4832	2623	717.7	286.8
MEAN	12.2	2.21	2.61	2.57	2.73	2.88	14.4	77.6	161	84.6	23.2	9.56
MAX	14	3.1	3.1	2.8	3.0	3.3	21	190	261	118	55	10
MIN	11	1.4	1.6	2.4	2.3	2.1	2.8	16	62	54	8.1	8.4
AC-FT	752	131	160	158	152	177	859	4770	9580	5200	1420	569
CAL YR 1974	TOTAL	12161.8	MEAN 33.3	MAX 278	MIN 1.4	AC-FT 24120						
WTR YR 1975	TOTAL	12069.5	MEAN 33.1	MAX 261	MIN 1.4	AC-FT 23940						

BEAR RIVER BASIN

10026500 Bear River near Randolph, Utah

LOCATION.--Lat 41°48'02", long 111°04'20", in SE¼NE¼ sec.7, T.12 N., R.8 E., Rich County, on left bank 3.7 mi (6.0 km) upstream from Twin Creek, 5.0 mi (8.0 km) upstream from Utah-Wyoming State line, and 11 mi (18 km) northeast of Randolph.

DRAINAGE AREA.--1,616 mi² (4,185 km²).

PERIOD OF RECORD.--October 1943 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to Aug. 17, 1971, 0.2 mi (0.3 km) upstream at different datum. Altitude of gage is 6,200 ft (1,889.8 m) from river-profile map.

AVERAGE DISCHARGE.--32 years, 206 ft³/s (5.85 m³/s) 149,600 acre-ft/yr (184 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,840 ft³/s (52.1 m³/s) June 22 (gage height, 7.17 ft or 2.185 m); minimum 37 ft³/s (1.05 m³/s) Oct. 7, 8.
Period of record: Maximum discharge, 2,660 ft³/s (75.3 m³/s) May 8, 1952; maximum gage height, 8.99 ft (2.740 m) June 17, 1965, site and datum then in use; minimum discharge, 1.6 ft³/s (0.045 m³/s) Nov. 12, 1961.

REMARKS.--Records good except those for winter months, which are fair. Diversion for irrigation of about 94,500 acres (382 km²) above station. Flow regulated by Woodruff Narrows Reservoir beginning January 1962 (see sta 10020200).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	93	74	65	65	70	88	313	208	808	351	73
2	43	92	65	65	65	75	84	295	206	763	333	62
3	43	90	66	65	65	75	82	284	230	693	312	63
4	41	87	67	65	65	80	87	281	279	736	289	64
5	40	85	65	65	65	80	90	271	401	828	260	48
6	39	81	65	65	65	85	102	326	521	919	238	49
7	38	87	65	65	65	85	106	411	566	1010	219	50
8	38	80	65	65	65	90	112	441	636	1100	198	49
9	39	83	65	65	65	90	116	429	733	1130	184	50
10	40	82	65	65	65	90	130	410	961	1090	164	49
11	39	81	65	65	65	90	138	409	1060	1090	150	44
12	38	76	65	65	65	90	136	420	1240	1090	142	78
13	43	75	65	65	65	90	137	442	1360	1060	136	95
14	51	85	65	65	64	90	147	466	1360	1010	130	110
15	51	82	65	65	65	90	153	473	1070	987	123	105
16	51	75	65	65	65	94	170	457	946	925	120	115
17	51	73	65	65	65	94	188	465	963	909	115	112
18	52	72	65	65	65	91	209	491	1150	913	106	112
19	51	70	65	65	65	92	229	497	1380	948	96	111
20	51	79	65	65	65	90	230	405	1580	896	100	143
21	53	70	65	65	65	90	232	409	1760	805	103	126
22	53	72	65	65	65	90	239	445	1830	767	98	122
23	57	73	65	65	65	93	253	489	1770	650	94	123
24	60	71	65	65	65	88	264	472	1700	557	91	116
25	59	74	65	65	65	87	291	409	1620	516	84	119
26	64	74	65	65	65	90	318	350	1390	489	81	140
27	70	74	65	65	65	90	353	310	1160	460	87	144
28	72	74	65	65	70	91	364	311	1040	461	86	144
29	76	74	65	65	---	91	355	286	897	414	82	143
30	86	74	65	65	---	83	333	268	842	395	81	133
31	92	---	65	65	---	92	---	199	---	373	77	---
TOTAL	1620	2358	2027	2015	1824	2716	5736	11934	30859	24792	4730	2892
MEAN	52.3	78.6	65.4	65.0	65.1	87.6	191	385	1029	800	153	96.4
MAX	92	93	74	65	70	94	364	497	1830	1130	351	144
MIN	38	70	65	65	64	70	82	199	206	373	77	44
AC-FT	3210	4680	4020	4000	3620	5390	11380	23670	61210	49170	9380	5740
CAL YR 1974	TOTAL	108265	MEAN 297	MAX 1570	MIN 14	AC-FT 214700						
WTR YR 1975	TOTAL	93503	MEAN 256	MAX 1830	MIN 38	AC-FT 185500						

BEAR RIVER BASIN

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10028500 Bear River below Pixley Dam, near Cokeville, Wyo.

LOCATION.--Lat 41°56'20", long 110°59'05", in SE¼SE¼ sec. 25, T.23 N., R120 W., Lincoln County, 800 ft (243 m) downstream from Pixley Dam, 11 mi (18 km) south of Cokeville, and 17.5 mi (28.2 km) downstream from Twin Creek.

DRAINAGE AREA.--2,032 mi² (5,263 km²).

PERIOD OF RECORD.--October 1941 to November 1943 (published as Bear River near Cokeville), October 1952 to September 1956, May 1958 to current year (irrigation seasons only). Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 6,185 ft (1,885.2 m) from river-profile map. Oct. 31, 1941 to Nov. 30, 1943, at site 200 ft (61 m) downstream at different datum.

EXTREMES.--Current season: Maximum discharge, 1,240 ft³/s (35.1 m³/s) June 26 (gage height, 8.08 ft or 2.463 m); minimum daily, 47 ft³/s (1.33 m³/s) Sept. 12.
Period of record: Maximum daily discharge, 2,300 ft³/s (65.1 m³/s) Mar. 25, 1956; minimum daily recorded, 0.3 ft³/s (0.008 m³/s) Aug. 21, 1961.

REMARKS.--Records good. Natural flow of stream affected by diversions for irrigation and return flow from irrigated areas.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								290	120	824	370	83
2								283	130	788	351	81
3								278	130	713	325	70
4								272	160	663	317	67
5								272	220	594	288	68
6								274	400	524	267	59
7								324	420	475	246	54
8								377	440	538	230	53
9								337	460	783	213	52
10								301	480	994	199	51
11								308	522	1040	174	51
12								320	537	1020	166	47
13								334	779	1010	163	66
14								346	1120	1040	159	100
15								355	1130	1030	155	114
16								346	1070	1000	136	112
17								334	953	990	117	118
18								327	948	988	122	116
19								336	1010	972	122	116
20								235	1080	982	108	128
21								220	1120	910	117	146
22								265	1180	822	120	134
23								289	1210	730	112	134
24								303	1220	608	103	129
25								293	1230	527	98	123
26								276	1240	497	91	134
27								240	1190	471	88	144
28								223	1100	461	92	155
29								208	992	441	91	156
30								179	886	407	88	153
31								153	---	390	87	---
TOTAL								8898	23477	23232	5315	3014
MEAN								287	783	749	171	100
MAX								377	1240	1040	370	156
MIN								153	120	390	87	47
AC-FT								17650	46570	46080	10540	5980

THE SEASON AC-FT 126820

BEAR RIVER BASIN

10032000 Smiths Fork near Border, Wyo.

LOCATION.--Lat 42°17'16", long 110°52'14", in NW¼ sec.33, T.27 N., R.118 W., Lincoln County, on left bank 4.5 mi (7.2 km) upstream from Howland Creek, 6 mi (10 km) downstream from Hobble Creek, and 12 mi (19 km) northeast of Border.

DRAINAGE AREA.--165 mi² (427 km²).

PERIOD OF RECORD.--May 1942 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,680 ft (2,036 m) from topographic map. Prior to Oct. 16, 1945, at site 0.8 mi (1.3 km) downstream at different datum.

AVERAGE DISCHARGE.--33 years, 198 ft³/s (5.607 m³/s) 143,500 acre ft/yr (177 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,080 ft³/s (30.6 m³/s) June 7 (gage height, 4.80 ft or 1.463 m); minimum, 21 ft³/s (0.59 m³/s) Mar. 29.
Period of record: Maximum discharge, 1,610 ft³/s (45.6 m³/s) June 18, 1971 (gage height, 5.61 ft or 1.710 m); minimum 21 ft³/s (0.59 m³/s) Mar. 29, 1975.

REMARKS.--Records good except those for winter periods, which are fair. One diversion for irrigation of about 200 acres (809,000 m²) above station.

REVISIONS (WATER YEARS).--WSP 1734: 1952 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	86	72	60	60	55	48	72	757	922	290	163
2	92	81	72	60	60	54	47	81	783	930	280	157
3	91	79	72	60	60	54	51	100	852	936	272	158
4	94	80	72	60	60	52	51	128	841	922	266	156
5	89	75	73	60	60	52	50	123	852	927	260	156
6	88	77	71	60	60	53	52	116	959	923	254	155
7	87	75	71	60	60	54	52	107	1040	901	249	153
8	86	76	66	60	65	52	50	103	1010	873	245	150
9	86	78	66	60	60	52	50	106	925	857	240	148
10	86	75	66	60	64	52	49	124	815	803	236	149
11	86	74	66	60	59	50	48	181	710	769	234	151
12	85	74	66	60	60	51	49	228	700	723	231	145
13	84	77	66	70	62	49	52	225	774	673	230	142
14	83	73	66	70	60	51	55	316	909	629	226	141
15	83	74	66	70	60	47	56	420	990	588	225	137
16	81	70	76	70	60	52	55	529	1030	556	219	138
17	82	70	72	70	60	51	54	655	962	527	214	136
18	81	76	72	70	60	52	54	749	944	493	209	132
19	81	73	73	70	60	51	53	714	832	467	205	131
20	81	72	73	70	59	52	55	547	754	441	204	129
21	89	74	71	74	57	51	60	438	748	421	203	128
22	86	76	61	75	57	52	71	377	712	398	200	125
23	84	70	60	75	57	50	74	353	720	379	195	124
24	82	73	60	75	57	51	70	349	752	360	190	121
25	80	70	60	68	57	54	80	385	873	345	188	119
26	79	73	60	64	57	50	81	384	830	331	185	118
27	79	70	60	60	57	49	79	418	811	321	182	117
28	80	77	60	60	57	48	74	479	839	315	180	116
29	80	75	60	60	---	44	71	541	871	312	176	115
30	88	71	60	60	---	51	67	615	895	308	173	114
31	88	---	60	60	---	50	---	680	---	304	169	---
TOTAL	2633	2244	2069	2011	1665	1586	1758	10643	25490	18654	6830	4124
MEAN	84.9	74.8	66.7	64.9	59.5	51.2	58.6	343	850	602	220	137
MAX	94	86	76	75	65	55	81	749	1040	936	290	163
MIN	79	70	60	60	57	44	47	72	700	304	169	114
AC-FT	5220	4450	4100	3990	3300	3150	3490	21110	50560	37000	13550	8180
CAL YR 1974	TOTAL	83485	MEAN 229	MAX 1110	MIN 53	AC-FT 165600						
WTR YR 1975	TOTAL	79707	MEAN 218	MAX 1040	MIN 44	AC-FT 158100						

BEAR RIVER BASIN

165

10038000 Bear River below Smiths Fork, near Cokeville, Wyo.

LOCATION.--Lat 42°07'36", long 110°58'21", in SE¼NE¼ sec.28, T.25 N., R.119 W., Lincoln County, 1.1 mi (1.8 km) upstream from Wyman Dam, 2.8 mi (4.5 km) northwest of Cokeville, and 3.8 mi (6.1 km) downstream from Smiths Fork.

DRAINAGE AREA.--2,447 mi² (6,338 km²).

PERIOD OF RECORD.--April 1954 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,140 ft (1,871 m) from river-profile map.

AVERAGE DISCHARGE.--21 years, 444 ft³/s (12.6 m³/s) 321,700 acre ft/yr (397 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,350 ft³/s (66.6 m³/s) June 26 (gage height, 6.56 ft or 1.999 m); minimum, 92 ft³/s (2.61 m³/s) Mar. 29.
Period of record: Maximum discharge, 3,780 ft³/s (107 m³/s) Mar. 26, 1956 (gage height, 7.54 ft or 2.298 m); minimum, 63 ft³/s (1.78 m³/s) Nov. 2, 1961.

REMARKS.--Records good except those for winter periods, which are fair. Natural flow of stream affected by diversion for irrigation and return flow from irrigated areas.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	271	210	180	160	173	199	530	1020	1940	712	270
2	140	260	214	180	160	188	204	515	1040	1900	692	261
3	139	245	214	180	161	203	212	519	1070	1820	619	260
4	164	243	202	180	153	232	215	558	1100	1740	601	246
5	176	243	205	180	156	284	217	548	1090	1680	570	245
6	168	235	202	180	150	360	238	517	1140	1610	528	240
7	162	230	218	180	149	343	262	547	1340	1520	497	233
8	159	223	214	180	153	357	264	619	1610	1480	463	229
9	161	233	210	180	154	367	258	650	1750	1650	439	225
10	165	222	200	180	157	374	253	543	1740	1810	394	224
11	163	222	190	180	162	377	266	628	1680	1920	370	231
12	163	220	185	180	160	376	289	717	1620	1940	340	228
13	162	226	189	180	160	347	304	712	1700	1890	348	224
14	165	218	200	180	167	339	340	801	1950	1850	329	256
15	172	230	201	180	170	316	343	916	2020	1830	335	285
16	178	225	187	180	160	292	362	1040	2090	1770	323	282
17	179	210	184	180	160	285	376	1110	2120	1690	311	290
18	178	214	193	180	160	267	392	1210	2150	1630	307	281
19	181	217	187	170	150	279	401	1250	2090	1600	290	276
20	180	190	176	160	150	309	509	1150	1990	1570	280	268
21	183	201	179	160	150	350	468	950	1970	1520	280	289
22	187	218	197	160	150	328	484	901	1970	1430	293	286
23	191	213	180	160	150	287	512	885	2000	1330	288	277
24	188	218	180	165	150	262	529	890	2040	1160	274	270
25	188	202	180	160	150	267	549	910	2170	1000	273	266
26	191	208	180	160	150	249	576	879	2330	925	267	264
27	191	174	180	160	154	220	581	862	2300	878	258	279
28	199	195	168	160	169	224	578	873	2270	846	300	289
29	212	210	180	160	---	201	564	931	2200	842	292	287
30	240	210	180	160	---	226	552	941	2060	800	284	281
31	264	---	180	160	---	222	---	975	---	757	273	---
TOTAL	5516	6626	5965	5335	4375	8904	11297	25077	53620	46328	11830	7842
MEAN	178	221	192	172	156	287	377	809	1787	1494	382	261
MAX	264	271	218	180	170	377	581	1250	2330	1940	712	290
MIN	127	174	168	160	149	173	199	515	1020	757	258	224
AC-FT	10940	13140	11830	10580	8680	17660	22410	49740	106400	91890	23460	15550
CAL YR 1974	TOTAL	215214	MEAN 590	MAX 2070	MIN 124	AC-FT 426900						
WTR YR 1975	TOTAL	192715	MEAN 528	MAX 2330	MIN 127	AC-FT 382300						

BEAR RIVER BASIN

10039500 Bear River at Border, Wyo.

LOCATION.--Lat 42°12'40", long 111°03'11", in NE¼NE¼ sec.15, T.14 S., R.46 E., Bear Lake County, Idaho, on left bank 0.2 mi (0.3 km) west of Wyoming-Idaho State line, 0.5 mi (0.8 km) west of Border, and 2.1 mi (3.4 km) upstream from Thomas Fork.

DRAINAGE AREA.--2,486 mi² (6,439 km²).

PERIOD OF RECORD.--October 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6,051.63 ft (1,844.537 m) above mean sea level, unadjusted.

AVERAGE DISCHARGE.--38 years, 429 ft³/s (12.16 m³/s) 311,100 acre-ft/yr (384 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,360 ft³/s (66.8 m³/s) June 19 (gage height, 7.42 ft or 2.262 m); minimum daily, 141 ft³/s (3.99 m³/s) Oct. 1.
Period of record: Maximum discharge, 3,680 ft³/s (104 m³/s) May 11, 1952 (gage height, 8.89 ft or 2.710 m); minimum daily, 30 ft³/s (0.85 m³/s) Aug. 18-22, 1940.

REMARKS.--Records good except those for winter months, which are fair. Diversions for irrigation of about 122,000 acres (494 km²) above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	277	220	190	170	190	220	542	1110	2040	722	279
2	146	270	220	190	170	200	210	530	1140	1970	683	268
3	153	257	220	190	170	220	220	526	1160	1880	629	263
4	162	253	210	190	170	250	228	561	1210	1800	587	255
5	190	253	210	190	170	310	230	571	1180	1710	558	251
6	176	246	210	190	170	360	244	548	1200	1640	523	248
7	171	244	220	190	170	360	272	551	1320	1540	490	242
8	167	236	230	190	170	370	274	603	1570	1460	458	238
9	167	246	220	190	170	380	272	645	1650	1550	441	234
10	171	238	220	190	170	390	266	571	1680	1720	400	232
11	171	240	210	190	180	400	274	603	1670	1840	379	238
12	171	234	210	190	180	390	294	683	1640	1940	357	236
13	173	238	210	190	180	380	308	715	1620	1900	360	230
14	173	234	210	190	180	360	336	758	1780	1860	348	234
15	178	238	220	190	170	330	345	880	2000	1840	357	259
16	184	240	237	190	170	310	364	1040	2080	1800	343	263
17	184	228	220	190	170	300	379	1150	2170	1720	331	268
18	184	228	210	190	170	285	390	1260	2310	1660	319	272
19	184	230	210	180	170	285	397	1350	2360	1600	310	277
20	186	207	200	180	170	310	467	1420	2300	1540	301	274
21	188	203	200	180	160	331	478	1210	2220	1500	294	292
22	193	221	200	180	160	333	493	1120	2200	1420	303	301
23	201	220	190	180	160	294	533	1060	2180	1330	305	292
24	205	222	190	180	160	279	548	1020	2180	1200	294	285
25	201	212	190	180	160	283	567	992	2220	1010	294	283
26	203	214	190	170	160	266	593	968	2270	908	292	277
27	203	200	190	170	170	240	596	944	2290	856	281	285
28	207	210	190	170	180	230	596	928	2250	809	310	299
29	220	220	190	170	---	220	571	998	2230	816	308	305
30	244	220	190	170	---	240	558	1020	2130	787	299	296
31	266	---	190	170	---	230	---	1060	---	747	283	---
TOTAL	5763	6979	6427	5700	4750	9326	11523	26827	55320	46393	12159	7976
MEAN	186	233	207	184	170	301	384	865	1844	1497	392	266
MAX	266	277	237	190	180	400	596	1420	2360	2040	722	305
MIN	141	200	190	170	160	190	210	526	1110	747	281	230
AC-FT	11430	13840	12750	11310	9420	18500	22860	53210	109700	92020	24120	15820
CAL YR 1974	TOTAL	215009	MEAN 589	MAX 2040	MIN 130	AC-FT 426500						
WTR YR 1975	TOTAL	199143	MEAN 546	MAX 2360	MIN 141	AC-FT 395000						

BEAR RIVER BASIN

167

10041000 Thomas Fork near Wyoming-Idaho State line

LOCATION.--Lat 42°24'10", long 111°01'30", in SE¼NW¼ sec.19, T.28 N., R.119 W., Lincoln County, Wyoming, on right bank 1.3 mi (2.1 km) upstream from State line, 1.5 mi (2.4 km) downstream from Giraffe Creek, and 3.5 mi (5.6 km) northeast of Geneva, Idaho.

DRAINAGE AREA.--113 mi² (293 km²).

PERIOD OF RECORD.--October 1949 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 6,280 ft (1,914 m) from topographic map. Prior to Aug. 23, 1957, at site 0.2 mi (0.3 km) upstream at different datum.

AVERAGE DISCHARGE.--26 years, 55.2 ft³/s (1.563 m³/s) 39,970 acre ft/yr (49.3 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 741 ft³/s (21.0 m³/s) May 17 (gage height, 3.36 ft or 1.024 m); minimum, 4.2 ft³/s (0.12 m³/s) Mar. 5, 31.

Period of record: Maximum discharge, 1,040 ft³/s (29.5 m³/s) May 14, 1971 (gage height 3.84 ft or 1.170 m); minimum, 2.6 ft³/s (0.074 m³/s) Mar. 2, 1956, result of freezeup.

REMARKS.--Records good except those for winter periods, which are fair. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	23	15	14	16	12	13	43	439	131	56	29
2	17	20	24	14	16	12	13	57	435	125	54	29
3	17	19	15	14	16	12	13	78	438	121	52	29
4	18	18	15	14	14	13	12	101	398	118	50	28
5	18	17	15	14	15	13	13	84	371	114	49	28
6	17	17	15	14	14	13	15	76	369	109	48	27
7	17	17	14	14	14	13	15	69	361	106	46	27
8	18	17	14	14	14	13	14	69	323	101	45	26
9	18	18	14	14	13	13	13	78	291	100	44	26
10	18	17	14	14	12	13	13	103	289	96	43	30
11	18	17	14	14	13	14	15	155	255	96	43	32
12	17	17	14	14	13	13	16	180	234	94	43	28
13	17	18	15	14	13	15	17	176	224	90	43	27
14	17	17	16	14	12	12	19	252	213	90	42	28
15	17	17	16	14	13	33	20	339	203	83	42	28
16	17	17	14	14	14	13	21	436	190	80	40	28
17	17	17	14	14	14	15	20	520	193	79	39	28
18	17	17	14	14	14	12	20	573	256	77	37	26
19	17	16	15	14	14	13	20	518	213	74	36	26
20	17	16	14	14	15	15	25	408	201	73	37	26
21	18	16	14	14	16	14	29	341	229	71	38	25
22	19	17	14	14	15	14	39	299	203	68	37	25
23	20	16	14	14	14	13	41	285	190	65	35	25
24	19	16	14	15	14	13	43	282	182	63	34	24
25	18	16	14	17	14	14	54	297	182	61	34	24
26	17	15	14	17	14	13	52	299	172	60	33	23
27	17	15	14	16	15	14	47	320	162	59	32	23
28	17	15	14	16	17	13	39	359	153	57	33	23
29	18	15	14	16	---	13	37	391	146	59	31	23
30	22	15	14	16	---	13	36	412	138	61	31	23
31	23	---	14	16	---	12	---	428	---	61	30	---
TOTAL	554	508	455	451	398	428	744	8028	7653	2642	1257	794
MEAN	17.9	16.9	14.7	14.5	14.2	13.8	24.8	259	255	85.2	40.5	26.5
MAX	23	23	24	17	17	33	54	573	439	131	56	32
MIN	17	15	14	14	12	12	12	43	138	57	30	23
AC-FT	1100	1010	902	895	789	849	1480	15920	15180	5240	2490	1570

CAL YR 1974 TOTAL 22847 MEAN 62.6 MAX 520 MIN 14 AC-FT 45320
WTR YR 1975 TOTAL 23912 MEAN 65.5 MAX 573 MIN 12 AC-FT 47430

PEAK DISCHARGE (BASE, 150 ft³/s)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-11	2300	2.14	249	5-31	2400	2.86	505
5-17	2400	3.36	741				

BEAR RIVER BASIN

10044000 Bear River at Harer, Idaho

LOCATION.--Lat 42°11'50", long 111°10'05", in NW¼ sec. 23, T.14 S., R.45 E., Bear Lake County, on right bank 400 ft (122 m) downstream from Sheep Creek, 0.8 mi (1.3 km) north of Harer siding on Union Pacific (Oregon Short Line) Railroad, and 5 mi (8 km) southeast of Dingle.

DRAINAGE AREA.--2,839 mi² (7,353 km²).

PERIOD OF RECORD.--June 1913 to current year. Monthly discharge only October 1916 to December 1918 published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 6,000 ft (1,830 m) from topographic map. Prior to Aug. 24, 1914, staff gage at site 1,500 ft (457 m) downstream at different datum.

AVERAGE DISCHARGE.--62 years, 525 ft³/s (14.86 m³/s) 380,100 acre ft/yr (469 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,710 ft³/s (76.7 m³/s) June 21 (gage height, 9.18 ft or 2.798 m); minimum daily, 169 ft³/s (4.78 m³/s) Oct. 2.
Period of record: Maximum discharge, 4,440 ft³/s (126 m³/s) May 7, 1952 (gage height, 11.04 ft or 3.365 m); minimum daily, 26 ft³/s (0.74 m³/s) Aug. 21-27, 1934.

REMARKS.--Records good except those for winter months, which are fair. Diversions above station for irrigation of about 140,000 acres (567 km²).

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	375	225	170	176	261	322	711	1370	2410	891	335
2	169	383	235	172	193	271	295	694	1430	2250	875	325
3	183	369	276	170	204	288	296	687	1470	2120	822	315
4	189	346	267	171	208	284	305	714	1590	2010	804	310
5	203	342	251	174	213	296	308	757	1600	1920	793	300
6	214	341	243	183	222	358	316	742	1600	1860	752	297
7	226	335	238	194	221	436	355	721	1650	1770	707	294
8	227	331	240	201	227	449	368	751	1820	1660	659	289
9	232	334	257	199	234	461	362	813	2000	1620	617	282
10	230	338	242	196	252	465	354	794	2140	1780	545	279
11	229	334	249	196	252	477	350	748	2160	1930	509	277
12	226	332	263	196	248	485	368	853	2120	2050	479	275
13	224	324	297	186	245	450	395	954	2010	2090	467	272
14	225	325	309	183	248	437	422	960	2060	2070	462	267
15	227	322	300	193	251	450	454	1090	2230	2030	457	288
16	233	328	263	197	245	430	476	1230	2350	1990	458	298
17	237	323	233	205	232	402	503	1390	2430	1930	435	299
18	234	315	226	205	232	365	514	1520	2560	1850	416	307
19	232	318	245	202	224	366	520	1610	2630	1780	400	315
20	236	297	231	200	227	403	571	1730	2680	1740	386	320
21	245	251	214	195	223	439	657	1630	2700	1690	375	323
22	246	283	256	183	208	464	667	1520	2650	1620	371	340
23	261	315	271	177	192	415	732	1450	2620	1540	370	336
24	275	305	262	184	201	381	767	1380	2570	1480	353	331
25	276	306	254	198	202	378	792	1320	2560	1300	349	329
26	273	292	245	206	205	402	818	1310	2570	1140	352	319
27	269	255	236	209	222	358	825	1270	2600	1060	356	312
28	264	246	221	199	243	347	815	1230	2600	999	354	330
29	278	230	212	184	---	333	778	1260	2580	977	370	341
30	312	243	208	175	---	340	739	1330	2530	965	359	325
31	358	---	188	172	---	333	---	1350	---	919	342	---
TOTAL	7407	9438	7657	5875	6250	12024	15444	34519	65880	52550	15885	9230
MEAN	239	315	247	190	223	388	515	1114	2196	1695	512	308
MAX	358	383	309	209	252	485	825	1730	2700	2410	891	341
MIN	169	230	188	170	176	261	295	687	1370	919	342	267
AC-FT	14690	18720	15190	11650	12400	23850	30630	68470	130700	104200	31510	18310
CAL YR 1974	TOTAL	249345	MEAN 683	MAX 2540	MIN 132	AC-FT 494600						
WTR YR 1975	TOTAL	242159	MEAN 663	MAX 2700	MIN 169	AC-FT 480300						

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LOCATION.--Lat 42°13'48", long 111°17'43", in SE $\frac{1}{4}$ sec.3, T.14 S., R.44 E., Bear Lake County, on left bank 1.5 mi (2.4 km) west of Dingle and 1.8 mi (2.9 km) downstream from headworks at Stewart Dam.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only prior to October 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage datum is 5,922.0 ft (1,805.03 m) above mean sea level (by topographic survey). Prior to Oct. 1, 1923, at site 300 ft (91 m) downstream at different datum; Oct. 1, 1923 to Oct. 27, 1944, at site 0.5 mi (0.8 km) downstream at different datum.

EXTREMES.--Current year: Maximum discharge, 2,280 ft³/s (64.6 m³/s) June 21 (gage height, 6.40 ft or 1.951 m); minimum, 73 ft³/s (2.07 m³/s) Oct. 1.
Period of record: Maximum discharge, 4,180 ft³/s (118 m³/s) May 7, 1952 (gage height, 8.62 ft or 2.627 m); minimum daily, 1 ft³/s (0.028 m³/s) on several days in 1931, 1934, 1940, 1948.

REMARKS.--Records good. Discharge measurements generally made three to five times a week. Canal diverts from Bear River at Stewart Dam in NE $\frac{1}{4}$ sec.34, T.13 S., R.44 E., for storage in Bear Lake. At times flow in canal is augmented by surplus water from Black Otter Slough entering at the station and by seepage and wastage from irrigation lands on both sides of canal.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	301	185	115	113	157	254	636	1000	1990	747	256
2	88	307	187	109	124	170	233	627	1030	1880	736	256
3	96	308	194	115	132	180	226	637	1070	1740	680	252
4	109	299	205	111	137	193	238	642	1000	1620	603	246
5	111	286	204	116	143	193	257	666	1070	1520	608	240
6	154	281	202	121	146	225	277	643	1050	1450	599	239
7	161	276	186	113	132	276	289	547	1050	1380	561	237
8	135	272	180	115	128	338	297	549	1150	1320	519	221
9	141	268	168	108	133	370	296	593	1310	1230	488	188
10	138	283	127	125	147	402	309	638	1470	1310	441	176
11	143	282	132	128	143	334	281	602	1550	1420	405	174
12	145	274	162	129	151	375	294	626	1550	1570	382	176
13	142	265	183	121	140	381	320	718	1490	1760	376	174
14	140	265	162	111	129	373	349	742	1450	1820	345	170
15	141	267	173	112	130	296	386	811	1570	1810	334	171
16	154	268	161	123	137	306	407	964	1720	1780	322	175
17	156	268	175	128	145	352	440	1100	1790	1710	306	173
18	170	268	164	133	161	323	461	1230	1940	1660	315	173
19	180	250	151	141	139	321	450	1350	2090	1570	313	169
20	181	233	165	144	144	349	487	1450	2170	1530	287	176
21	199	208	147	130	154	408	571	1460	2260	1510	272	190
22	194	221	133	125	144	386	571	1360	2210	1440	256	208
23	202	239	130	120	139	375	623	1200	2130	1340	272	220
24	214	237	120	136	152	339	686	1170	2200	1240	265	218
25	223	235	103	138	152	316	683	1110	2140	1140	262	208
26	223	230	107	143	156	300	729	1080	2150	978	263	203
27	224	198	116	152	148	293	736	1030	2130	890	271	203
28	227	166	118	138	149	289	725	968	2110	817	268	207
29	234	168	122	128	---	281	696	959	2090	806	286	217
30	255	192	135	125	---	282	668	993	2070	800	286	225
31	282	---	134	121	---	269	---	1010	---	783	281	---
TOTAL	5238	7615	4831	3874	3948	9452	13239	28111	50010	43814	12349	6141
MEAN	169	254	156	125	141	305	441	907	1667	1413	398	205
MAX	282	308	205	152	161	408	736	1460	2260	1990	747	256
MIN	76	166	103	108	113	157	226	547	1000	783	256	169
AC-FT	10390	15100	9580	7680	7830	18750	26260	55760	99190	86910	24490	12180
CAL YR 1974	TOTAL	196480	MEAN 538	MAX 2140	MIN 26	AC-FT 389700						

BEAR RIVER BASIN

171

10047500 Montpelier Creek at irrigators weir, near Montpelier, Idaho

LOCATION.--Lat 42°19'47", long 111°14'12", in SW¼SE¼ sec.31, T.12 S., R.45 E., Bear Lake County, Caribou National Forest, on right bank 3 mi (5 km) east of Montpelier and 3.5 mi (5.6 km) downstream from South Fork.

DRAINAGE AREA.--49.5 mi² (128.2 km²).

PERIOD OF RECORD.--October 1942 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder and sharp-crested weir. Altitude of gage is 6,210 ft (1,893 m) from topographic map.

AVERAGE DISCHARGE.--28 years (1942-70), 21.2 ft³/s (0.600 m³/s) 15,360 acre-ft/yr (18.9 hm³/yr). 5 years (1971-75), 31.0 ft³/s (0.878 m³/s) 22,490 acre-feet/yr (27.7 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 86 ft³/s (2.44 m³/s) June 18 (gage height, 1.91 ft or 0.582 m); minimum, 1.5 ft³/s (0.04 m³/s) Feb. 26.

Period of record: Maximum discharge, 224 ft³/s (6.34 m³/s) May 18, 1950; maximum gage height, 3.06 ft (0.933 m) Apr. 28, 1962; minimum discharge, 0.40 ft³/s (0.011 m³/s) Jan. 28, 1961.

REMARKS.--Records excellent. One small diversion above station for irrigation. Flow regulated by Montpelier Creek reservoir (usable capacity, 3,840 acre-ft (4.73 hm³) between sill of outlet gate and elevation 6,515.2 ft (1,985.83 m) crest of spillway. Dead storage, 210 acre-ft (259,000 m³). Earthfill dam 82 ft (25.0 m) high, completed December 1970 and storage began Dec. 23, 1970. Storage in 1971 reached an elevation of 6,513.8 ft (1,985.41 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	7.6	6.4	6.3	6.9	6.5	25	49	66	68	59	41
2	16	7.6	6.2	7.1	6.7	6.5	24	49	67	67	59	38
3	16	7.0	6.3	6.7	6.2	6.7	24	49	68	67	59	24
4	16	7.2	6.2	6.5	6.2	6.9	24	49	67	69	67	23
5	16	7.3	6.2	6.6	6.2	7.0	24	49	68	66	67	23
6	15	7.4	6.2	6.5	6.7	7.1	33	50	70	64	57	23
7	9.3	7.2	6.5	6.7	6.5	7.0	33	50	70	61	48	22
8	7.3	7.3	6.2	6.8	6.5	6.9	34	50	69	60	48	22
9	7.5	7.3	6.3	6.7	6.7	7.3	34	51	68	59	47	22
10	7.1	7.1	6.3	6.7	6.7	7.9	34	51	70	58	47	22
11	7.1	6.9	6.2	6.2	6.7	7.9	34	51	67	58	47	22
12	7.1	7.0	6.3	6.9	6.7	8.0	35	52	69	58	47	22
13	7.0	7.4	6.3	7.2	6.5	7.8	35	56	73	57	47	22
14	6.8	7.0	6.4	6.6	6.5	8.1	35	60	74	57	46	22
15	6.6	7.4	6.4	6.7	6.5	8.4	35	64	73	57	46	22
16	6.6	7.0	6.6	6.7	6.5	7.7	35	65	72	56	46	22
17	6.6	6.9	6.9	6.7	6.5	7.7	35	68	73	56	46	23
18	6.5	7.2	6.8	6.7	6.5	7.8	35	71	76	56	45	22
19	6.5	7.2	7.0	6.7	6.5	7.7	35	72	67	56	45	22
20	6.5	6.8	6.8	6.7	6.7	8.0	36	70	65	56	45	21
21	7.1	7.0	6.9	6.5	6.5	14	36	68	66	55	45	22
22	7.2	7.3	6.8	6.4	6.5	17	37	66	63	55	43	21
23	7.4	6.7	6.2	6.5	6.5	19	46	66	62	54	42	21
24	7.2	6.7	6.2	6.7	6.5	20	50	66	62	54	42	21
25	6.9	6.7	7.5	7.4	6.5	20	50	66	55	54	42	21
26	6.9	6.7	7.0	7.2	6.5	20	50	67	54	53	42	21
27	7.0	6.8	6.9	6.7	6.5	20	48	68	59	53	41	21
28	6.9	6.8	7.1	6.7	6.5	20	50	69	70	53	41	21
29	7.1	6.9	7.1	6.7	---	20	49	70	72	53	41	21
30	7.7	6.7	6.6	6.9	---	20	49	71	71	56	41	21
31	7.9	---	6.7	6.9	---	21	---	66	---	59	41	---
TOTAL	272.8	212.1	203.5	208.3	182.9	359.9	1104	1869	2026	1805	1479	691
MEAN	8.80	7.07	6.56	6.72	6.53	11.6	36.8	60.3	67.5	58.2	47.7	23.0
MAX	16	7.6	7.5	7.4	6.9	21	50	72	76	69	67	41
MIN	6.5	6.7	6.2	6.2	6.2	6.5	24	49	54	53	41	21
AC-FT	541	421	404	413	363	714	2190	3710	4020	3580	2930	1370
CAL YR 1974	TOTAL	9744.1	MEAN 26.7	MAX 96	MIN 6.2	AC-FT 19330						
WTR YR 1975	TOTAL	10413.5	MEAN 28.5	MAX 76	MIN 6.2	AC-FT 20660						

BEAR RIVER BASIN

10055500 Bear Lake at Lifton, near St. Charles, Idaho

LOCATION.--Lat 42°07'160, long 111°18'52", in NE¼ sec. 16, T.15 S., R.44 E., Bear Lake County, in Lifton pumping plant of Utah Power & Light Company, 3.5 mi (5.6 km) east of St. Charles.

DRAINAGE AREA.--435 mi² (1,127 km²), approximately (does not include Mud Lake drainage).

PERIOD OF RECORD.--October 1903 to June 1906 (elevations only), January 1921 to current year. Monthly contents only January 1921 to September 1945 published in WSP 1314. Published as Bear Lake at Fish Haven 1903-06.

GAGE.--Water-stage recorder. Datum of gage is 5,900 ft (1,798.3 m) above mean sea level, unadjusted (Utah Power & Light Company datum).

EXTREMES.--Current year: Maximum contents, 1,350,000 acre-ft (1.66 km³) July 25 (elevation, 5,922.64 ft or 1,805.221 m); minimum, 1,067,000 acre-ft (1.32 km³) Feb. 3 (elevation, 5,918.60 ft or 1,803.989 m).
Period of record: Maximum contents, 1,423,000 acre-ft (1.75 km³) June 10, 1923 (elevation, 5,923.68 ft or 1,805.538 m); no usable contents Nov. 9-19, 1935 (elevation, 5,902.00 ft or 1,798.930 m lower limit of pumps).

REMARKS.--Outflow regulated by gates and pumps at the north end of Bear Lake and by gates in dike at north end of Mud Lake, a shallow interconnected lake. Principal inflow to Bear Lake is from Bear River through Rainbow inlet (station 10046000) and Dingle inlet canals, man-made diversions into Mud Lake from which flow can empty into Bear Lake either through the pumping plant or through an opening in the dividing causeway, or the flow can be routed directly into the Outlet canal. (See station 10059500.) Capacity of Bear Lake is 1,421,000 acre-ft (1.75 km³) between elevation 5,902.00 ft or 1,798.930 m (lower limit of pumps) and 5,923.65 ft or 1,805.529 m (present upper limit of storage with existing facilities). Storage water used for irrigation and power development. Figures given herein represent usable contents.

COOPERATION.--Records furnished by Utah Power & Light Company, under general supervision of Geological Survey, in connection with a Federal Power Commission project.

Capacity table (elevation, in feet, and usable contents, in acre-feet)

5,918.50	1,060,400	5,921.50	1,269,900
5,919.00	1,095,200	5,922.00	1,305,000
5,919.50	1,130,000	5,922.50	1,340,100
5,920.00	1,164,900	5,923.00	1,375,400
5,920.50	1,199,900	5,923.40	1,403,600
5,921.00	1,234,900		

USABLE CONTENTS, IN THOUSANDS OF ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1106	1109	1119	1093	1069	1088	1110	1137	1196	1320	1347	1286
2	1105	1111	1119	1086	1068	1088	1110	1139	1198	1322	1347	1283
3	1104	1112	1118	1084	1067	1089	1110	1143	1200	1325	1347	1280
4	1104	1113	1118	1083	1067	1090	1111	1145	1201	1328	1347	1277
5	1103	1113	1117	1081	1067	1090	1111	1148	1203	1330	1346	1276
6	1102	1113	1116	1081	1067	1092	1111	1150	1204	1332	1345	1274
7	1102	1114	1115	1081	1068	1093	1111	1151	1206	1333	1344	1272
8	1101	1115	1115	1081	1068	1095	1112	1152	1209	1336	1342	1271
9	1100	1115	1113	1080	1069	1096	1112	1153	1212	1337	1342	1269
10	1099	1115	1112	1080	1070	1097	1113	1154	1217	1337	1340	1267
11	1099	1115	1111	1079	1070	1097	1113	1155	1222	1338	1340	1266
12	1098	1115	1109	1079	1071	1097	1113	1155	1229	1340	1340	1264
13	1097	1115	1108	1079	1072	1098	1113	1156	1236	1340	1339	1262
14	1097	1115	1106	1079	1073	1098	1113	1157	1242	1342	1339	1259
15	1097	1115	1105	1078	1074	1099	1114	1157	1247	1343	1338	1257
16	1097	1115	1104	1077	1075	1099	1115	1159	1251	1344	1337	1255
17	1097	1116	1102	1076	1076	1099	1115	1161	1256	1345	1336	1253
18	1097	1118	1101	1075	1077	1100	1116	1162	1265	1346	1334	1251
19	1097	1118	1099	1074	1079	1100	1118	1164	1272	1347	1331	1250
20	1098	1118	1098	1074	1079	1101	1118	1167	1281	1348	1328	1248
21	1099	1118	1097	1073	1081	1102	1120	1170	1288	1349	1324	1245
22	1099	1119	1097	1072	1081	1102	1120	1174	1292	1349	1321	1243
23	1101	1120	1097	1071	1083	1103	1122	1178	1295	1349	1317	1239
24	1102	1120	1096	1071	1083	1104	1123	1182	1299	1349	1313	1236
25	1102	1120	1095	1070	1085	1105	1125	1184	1302	1350	1309	1233
26	1102	1120	1095	1070	1086	1106	1126	1185	1306	1350	1305	1229
27	1102	1120	1093	1070	1086	1107	1128	1187	1309	1350	1302	1226
28	1102	1120	1092	1070	1087	1108	1130	1189	1311	1349	1298	1223
29	1102	1120	1090	1070	---	1109	1132	1190	1314	1349	1295	1220
30	1104	1120	1089	1070	---	1110	1134	1192	1317	1349	1292	1217
31	1108	---	1088	1069	---	1110	---	1194	---	1349	1289	---
MAX	1108	1120	1119	1093	1087	1110	1134	1194	1317	1350	1347	1286
MIN	1097	1109	1088	1069	1067	1088	1110	1137	1196	1320	1289	1217
(+)	5919.18	5919.35	5918.89	5918.62	5918.88	5919.21	5919.56	5920.41	5922.17	5922.62	5921.77	5920.75
(*)	+2.0	+12.0	-32.0	-19.0	+18.0	+23.0	+24.0	+60.0	+123.0	+32.0	-60.0	-72.0

CAL YR 1974..... * -22.0

WTR YR 1975..... * +111.0

† Elevation, in feet, at end of month.

* Change in contents, in thousands of acre-feet.

BEAR RIVER BASIN

173

10058600 Bloomington Creek at Bloomington, Idaho

LOCATION.--Lat 42°11'05", long 111°25'30", in SE¼SE¼ sec.21, T.14 S., R.43 E., Bear Lake County, on left bank 1 mi (2 km) west of Bloomington.

DRAINAGE AREA.--24.0 mi² (62.2 km²).

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder 4 ft (1.2 m) above 8-ft (2.44 m) concrete flume. Altitude of gage is 6,070 ft (1,850 m) from topographic map.

AVERAGE DISCHARGE.--15 years, 30.0 ft³/s (0.850 m³/s) 21,750 acre ft/yr (26.8 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 194 ft³/s (5.49 m³/s) June 18 (gage height, 4.14 ft or 1.262 m); minimum, 15 ft³/s (0.42 m³/s) Several days.
Period of record: Maximum discharge, 248 ft³/s (7.02 m³/s) June 11, 1971 (gage height, 4.66 ft or 1.420 m); minimum, 9.4 ft³/s (0.27 m³/s) Jan. 27, 1961, Feb. 26, 1962.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	21	18	16	16	16	16	21	73	95	44	29
2	22	21	18	16	16	16	16	25	70	93	42	29
3	22	20	18	16	16	16	16	31	76	93	41	28
4	22	20	19	16	16	16	16	29	77	94	40	28
5	22	20	18	16	16	16	16	25	90	94	39	28
6	22	20	18	16	16	16	16	23	128	92	38	27
7	22	20	18	16	16	16	16	22	135	89	38	27
8	22	20	18	16	16	16	16	23	125	86	37	27
9	22	20	17	16	16	16	16	26	110	84	36	27
10	22	20	18	16	16	16	16	31	97	78	36	27
11	21	19	18	16	16	16	16	35	100	74	36	27
12	21	20	18	16	16	16	17	32	111	72	36	27
13	21	20	17	16	16	16	18	33	128	68	35	26
14	21	19	18	16	16	16	17	36	151	66	34	26
15	21	19	17	16	16	16	18	40	154	63	34	26
16	21	19	18	16	16	16	18	43	151	61	33	26
17	21	19	18	16	16	16	17	47	133	58	33	26
18	21	20	18	16	16	16	17	49	148	57	32	25
19	21	19	18	16	16	19	18	49	110	57	32	25
20	21	18	18	16	16	19	19	45	101	56	32	25
21	22	19	18	16	16	17	20	41	105	54	32	25
22	21	20	18	16	15	17	24	37	106	53	32	25
23	22	19	17	16	15	16	22	37	106	52	31	25
24	21	19	17	16	15	16	22	41	110	51	31	24
25	21	18	17	17	15	17	23	44	108	49	30	24
26	21	18	17	17	15	16	21	43	97	48	31	24
27	21	18	17	16	15	16	20	44	99	47	30	24
28	20	18	17	16	16	16	19	45	99	46	29	23
29	22	17	16	16	---	16	19	50	98	46	29	23
30	23	17	16	16	---	16	20	56	97	47	29	23
31	22	---	16	16	---	16	---	67	---	46	29	---
TOTAL	666	577	544	498	442	505	545	1170	3293	2069	1061	776
MEAN	21.5	19.2	17.5	16.1	15.8	16.3	18.2	37.7	110	66.7	34.2	25.9
MAX	23	21	19	17	16	19	24	67	154	95	44	29
MIN	20	17	16	16	15	16	16	21	70	46	29	23
AC-FT	1320	1140	1080	988	877	1000	1080	2320	6530	4100	2100	1540
CAL YR 1974	TOTAL	12479	MEAN 34.2	MAX 158	MIN 13	AC-FT	24750					
WTR YR 1975	TOTAL	12146	MEAN 33.3	MAX 154	MIN 15	AC-FT	24090					

BEAR RIVER BASIN

10059500 Bear Lake outlet canal near Paris, Idaho

LOCATION.--Lat 42°13'00", long 111°20'35", in SW¼ sec.8, T.14 S., R.44 E., Bear Lake County, on right bank 2,000 ft (610 m) downstream from headgates (at dike) and 3 mi (5 km) southeast of Paris.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only January 1922 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage datum is 5,912.6 ft (1,802.16 m) above mean sea level (from topographic survey).

AVERAGE DISCHARGE.--53 years, 399 ft³/s (11.30 m³/s) 267,400 acre ft/yr (330 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,370 ft³/s (38.9 m³/s) Aug. 23 (gage height, 18.47 ft or 5.630 m); minimum daily, 4.1 ft³/s (0.12 m³/s) Oct. 3, 4.
Period of record: Maximum daily discharge, 1,870 ft³/s (53.0 m³/s) Aug. 8, 1924; minimum daily, 1 ft³/s (0.28 m³/s) for many days in 1937, 1954, 1959, 1961, 1964.

REMARKS.--Records good. Discharge measurements generally made five or six times a week during periods of release from Bear Lake.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	4.3	392	523	357	5.0	5.0	5.0	5.0	533	1200	1310
2	4.2	4.3	382	525	429	5.0	5.0	5.0	5.0	719	1240	1320
3	4.1	4.3	402	538	366	5.0	5.0	5.0	5.0	708	1210	1300
4	4.1	4.3	416	549	294	5.0	5.0	5.0	5.0	710	1160	1300
5	4.2	4.3	419	560	319	5.0	5.0	5.0	5.0	713	1090	1180
6	4.2	4.3	434	571	5.0	5.0	5.0	5.0	5.0	699	1040	1020
7	4.2	4.3	457	543	5.0	5.0	5.0	5.0	5.0	716	1020	1010
8	4.2	4.3	527	540	5.0	5.0	5.0	5.0	5.0	789	1070	1010
9	4.2	4.3	598	553	5.0	5.0	5.0	89	5.0	972	1110	1010
10	4.2	4.3	633	559	5.0	5.0	5.0	265	5.0	825	1070	1000
11	4.2	4.3	633	544	5.0	5.0	5.0	275	5.0	799	1170	1010
12	4.2	4.3	645	549	5.0	5.0	5.0	269	5.0	803	1260	1020
13	4.2	4.3	655	553	5.0	5.0	5.0	262	5.0	817	1220	995
14	4.2	4.3	653	532	5.0	5.0	5.0	266	5.0	824	1220	994
15	4.2	4.3	655	542	5.0	5.0	5.0	277	5.0	829	1320	810
16	4.2	4.3	652	545	5.0	5.0	5.0	268	5.0	844	1300	567
17	4.2	4.3	656	536	5.0	5.0	5.0	278	5.0	966	1330	557
18	4.2	4.3	661	557	5.0	5.0	5.0	269	5.0	963	1330	566
19	4.2	4.3	663	566	5.0	5.0	5.0	269	5.0	961	1320	580
20	4.2	4.3	663	561	5.0	5.0	5.0	272	192	953	1350	597
21	4.2	4.4	657	533	5.0	5.0	5.0	273	388	945	1350	615
22	4.2	4.4	553	533	5.0	5.0	5.0	271	362	981	1360	633
23	4.2	4.4	584	535	5.0	5.0	5.0	261	358	1070	1370	1130
24	4.2	4.4	548	537	5.0	5.0	5.0	253	371	1090	1360	1250
25	4.2	4.4	508	566	5.0	5.0	5.0	237	412	1130	1330	1270
26	4.2	204	487	549	5.0	5.0	5.0	247	435	1210	1340	1290
27	4.2	501	482	550	5.0	5.0	5.0	258	422	1200	1340	1260
28	4.3	499	499	482	5.0	5.0	5.0	259	425	1210	1340	1260
29	4.3	460	513	350	---	5.0	5.0	253	434	1180	1350	1280
30	4.3	384	530	250	---	5.0	5.0	166	451	1210	1310	1300
31	4.3	---	540	308	---	5.0	---	9.7	---	1200	1310	---
TOTAL	130.4	2156.0	17097	16139	1880.0	155.0	150.0	5586.7	4345.0	28569	38790	30644
MEAN	4.21	71.9	552	521	67.1	5.00	5.00	180	145	922	1251	1021
MAX	4.3	501	663	571	429	5.0	5.0	278	451	1210	1370	1320
MIN	4.1	4.3	382	250	5.0	5.0	5.0	5.0	5.0	533	1020	557
AC-FT	259	4280	33910	32010	3730	307	298	11080	8620	56670	76940	60780
CAL YR 1974	TOTAL	212822.4	MEAN	583	MAX	1390	MIN	4.1	AC-FT	422100		
WTR YR 1975	TOTAL	145642.1	MEAN	399	MAX	1370	MIN	4.1	AC-FT	288900		

BEAR RIVER BASIN

175

10068500 Bear River at Pescadero, Idaho

LOCATION.--Lat 42°24'06", long 111°21'22", in SW¼SW¼SE¼ sec.6, T.12 S., R.44 E., Bear Lake County, on left bank at Pescadero, 400 ft (122 m) downstream from road bridge, 2 mi (3.2 km) downstream from Bennington Creek, and 6.5 mi (10.5 km) northwest of Montpelier.

PERIOD OF RECORD.--October 1921 to September 1954. June 1969 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 5,900 ft (1,798 m) from topographic map.

AVERAGE DISCHARGE.--39 years (1921-54; 1969-75), 603 ft³/s (17.09 m³/s) 437,200 acre-ft/yr (539 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,500 ft³/s (42.5 m³/s) Aug. 28 (gage height, 5.19 ft or 1.582 m); minimum daily discharge, 69 ft³/s (1.95 m³/s) Oct. 17.
Period of record: Maximum daily discharge; 3,840 ft³/s (109 m³/s) June 10, 1923; minimum daily, 23 ft³/s (0.65 m³/s) Mar. 14-17, 1936.

REMARKS.--Records good except those for winter months, which are fair. Many diversions above station for irrigation. Flow regulated by Bear Lake. (See sta 10055500.)

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	140	501	650	450	172	203	282	326	994	1250	1410
2	97	130	453	650	500	167	190	259	315	1160	1300	1410
3	76	120	439	650	550	156	159	242	303	1160	1290	1410
4	72	112	471	600	450	154	161	226	314	1130	1250	1400
5	73	106	480	600	400	144	165	237	302	1110	1180	1370
6	73	105	493	650	429	135	176	240	357	1090	1130	1190
7	78	102	613	650	251	132	204	236	378	1190	1080	1100
8	80	100	658	650	202	127	219	223	381	1220	1060	1080
9	85	98	637	650	184	134	208	230	383	1320	1130	1080
10	86	103	705	650	190	140	201	433	431	1240	1120	1080
11	85	97	746	650	184	178	213	473	523	1140	1120	1080
12	83	97	718	650	186	202	234	490	519	1120	1260	1080
13	83	93	730	650	179	173	246	522	498	1160	1270	1080
14	83	95	738	650	171	152	265	544	487	1180	1220	1080
15	82	94	759	650	191	158	288	554	433	1170	1340	1060
16	71	91	752	650	178	148	348	590	380	1160	1360	736
17	69	89	761	650	170	156	394	613	374	1220	1410	624
18	75	93	768	650	154	120	423	626	472	1210	1400	610
19	95	93	781	650	152	123	431	646	597	1130	1400	614
20	83	88	783	650	160	153	435	700	630	1110	1400	625
21	93	94	776	650	166	209	473	801	919	1080	1410	633
22	95	96	739	650	165	238	536	854	1020	1070	1430	680
23	106	88	700	650	158	224	562	835	1090	1110	1440	1020
24	105	97	750	650	164	205	555	831	1050	1170	1420	1240
25	100	88	700	650	166	187	509	764	1000	1160	1410	1320
26	94	87	650	700	166	204	455	819	970	1240	1420	1350
27	108	435	600	700	170	261	412	846	947	1260	1420	1350
28	107	550	600	600	175	184	369	771	943	1240	1430	1340
29	103	558	600	500	---	156	335	670	939	1240	1420	1340
30	128	511	600	450	---	150	310	610	931	1250	1420	1360
31	139	---	600	400	---	167	---	399	---	1260	1410	---
TOTAL	2857	4650	20301	19500	6661	5209	9679	16566	18212	36294	40600	32752
MEAN	92.2	155	655	629	238	168	323	534	607	1171	1310	1092
MAX	150	558	783	700	550	261	562	854	1090	1320	1440	1410
MIN	69	87	439	400	152	120	159	223	302	994	1060	610
AC-FT	5670	9220	40270	38680	13210	10330	19200	32860	36120	71990	80530	64960
CAL YR 1974 TOTAL	273874			MEAN 750	MAX 1460	MIN 69	AC-FT 543200					
WTR YR 1975 TOTAL	213281			MEAN 584	MAX 1440	MIN 69	AC-FT 423000					

BEAR RIVER BASIN

10072800 Eightmile Creek near Soda Springs, Idaho

LOCATION.--Lat 42°32'15", long 111°34'20", in SE¼ sec.20, T.10 S., R.42 E., Bear Lake County, on right bank just below Wilson Creek, 15 ft (5 m) below roadbridge, 0.3 mi (0.5 km) north of Eightmile Ranger Station, and 8.4 mi (13.5 km) south of Soda Springs.

DRAINAGE AREA.--22.6 mi² (58.5 km²).

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 6,170 ft (1,881 m) from topographic map.

AVERAGE DISCHARGE.--15 years, 17.4 ft³/s (0.493 m³/s) 12,510 acre-ft/yr (15.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 134 ft³/s (3.79 m³/s) June 15 (gage height, 2.43 ft or 0.741 m); minimum, 1.2 ft³/s (0.034 m³/s) Mar. 12, 15, 17.
Period of record: Maximum discharge, 160 ft³/s (4.53 m³/s) June 18, 1971 (gage height, 2.57 ft or 0.783 m); minimum, 0.98 ft³/s (0.028 m³/s) Mar. 3-5, 10, 20, 21, 1969.

REMARKS.--Records excellent. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.3	5.7	3.6	3.5	3.3	3.2	2.4	5.1	69	92	21	8.8
2	6.5	5.5	3.6	3.6	3.3	3.3	2.4	6.1	77	92	20	8.8
3	6.7	5.3	3.6	3.6	3.3	3.0	2.6	9.0	95	92	19	8.6
4	6.8	5.1	3.7	3.6	3.3	2.7	2.6	11	106	90	18	8.4
5	6.4	5.6	3.9	3.6	3.3	2.7	2.6	9.4	104	87	18	7.8
6	6.3	5.3	4.5	3.6	3.2	2.7	2.7	8.8	115	84	17	7.7
7	6.2	5.2	4.5	3.4	3.4	2.7	2.6	8.5	114	78	17	7.5
8	6.1	5.3	3.3	3.5	3.4	2.5	2.6	8.6	127	73	16	7.4
9	6.0	5.2	3.1	3.4	3.4	2.4	2.5	9.5	123	70	16	7.3
10	5.8	5.1	2.9	3.4	3.4	2.3	2.5	13	111	65	15	7.6
11	5.8	4.9	3.0	3.4	3.4	2.2	2.6	21	106	61	15	7.5
12	5.7	5.2	3.2	3.2	3.4	2.2	2.8	22	111	57	15	7.3
13	5.6	5.2	3.3	3.3	3.4	2.3	3.2	24	116	52	14	7.1
14	5.5	5.0	3.4	3.3	3.4	2.3	3.5	35	124	49	14	7.0
15	5.5	5.0	3.6	3.4	3.1	2.3	3.7	47	132	45	14	7.0
16	5.5	4.9	3.7	3.4	2.6	2.5	3.8	58	121	43	13	7.1
17	5.4	4.8	3.8	3.4	3.0	2.4	4.1	62	111	43	13	6.8
18	5.5	5.3	3.9	3.4	3.1	2.5	4.0	64	111	38	13	6.7
19	5.5	5.0	4.0	3.4	3.1	2.6	4.0	62	107	35	12	6.7
20	5.4	4.8	3.9	3.5	3.1	2.5	4.5	56	100	33	12	6.6
21	6.2	5.1	4.1	3.3	2.9	2.4	5.5	52	96	31	12	6.5
22	5.6	5.5	4.0	3.2	2.7	2.4	7.0	46	98	29	11	6.5
23	6.1	4.9	3.7	3.6	3.1	2.3	6.9	42	100	28	11	6.0
24	5.7	4.9	3.8	3.6	2.9	2.4	7.1	42	100	26	11	5.9
25	5.5	4.9	3.8	4.0	2.8	2.7	8.0	41	106	24	10	5.9
26	5.5	4.5	3.8	3.8	2.7	2.3	6.9	42	100	24	10	5.9
27	5.2	4.2	3.8	3.1	2.8	2.2	6.5	44	96	23	9.9	5.9
28	5.2	4.3	3.8	3.2	3.1	2.3	5.8	44	91	22	9.6	5.9
29	5.3	3.7	3.8	3.2	---	2.4	5.4	47	92	23	9.4	5.9
30	5.8	3.9	3.6	3.2	---	2.7	5.1	52	91	24	9.2	5.9
31	5.7	---	3.6	3.3	---	2.6	---	60	---	23	9.1	---
TOTAL	180.3	149.3	114.3	106.4	87.9	78.0	125.9	1052.0	3150	1556	424.2	210.0
MEAN	5.82	4.98	3.69	3.43	3.14	2.52	4.20	33.9	105	50.2	13.7	7.00
MAX	6.8	5.7	4.5	4.0	3.4	3.3	8.0	64	132	92	21	8.8
MIN	5.2	3.7	2.9	3.1	2.6	2.2	2.4	5.1	69	22	9.1	5.9
AC-FT	358	296	227	211	174	155	250	2090	6250	3090	841	417
CAL YR 1974	TOTAL	8089.2	MEAN 22.2	MAX 133	MIN 2.0	AC-FT 16040						
WTR YR 1975	TOTAL	7234.3	MEAN 19.8	MAX 132	MIN 2.2	AC-FT 14350						

BEAR RIVER BASIN

177

10075000 Bear River at Soda Springs, Idaho

LOCATION.--Lat 42°36'50", long 111°34'58", in NW¼SW¼NW¼ sec.29, T.9 S., R.42 E., Caribou County, on left bank 800 ft (244 m) upstream from Bailey Creek road bridge and 2 mi (3 km) south of Soda Springs.

DRAINAGE AREA.--3,972 mi² (10,287 km²).

PERIOD OF RECORD.--May to September 1896, May, June 1898, and October 1953 to current year in reports of Geological Survey. Irrigation season only during 1944-49, 1951-53 in reports of Bear River Hydrometric Data (Geological Survey open-file report).

GAGE.--Water-stage recorder. Altitude of gage is 5,760 ft (1,756 m) from topographic map. May 25 to Oct. 2, 1896, May 22 to July 1, 1898, staff gage at different datum. During irrigation season 1944-49, 1950-53, water-stage recorder at site 800 ft (244 m) downstream at different datum.

AVERAGE DISCHARGE.--22 years, 640 ft³/s (18.1 m³/s) 464,000 acre ft/yr (572 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,510 ft³/s (42.8 m³/s) Aug. 17 (gage height, 4.81 ft or 1.466 m); minimum daily, 160 ft³/s (4.53 m³/s) Feb. 22.
Period of record: Maximum discharge, 6,380 ft³/s (181 m³/s) June 9, 15, 1896 (gage height, 8.40 ft or 2.560 m, datum then in use); minimum daily, 60 ft³/s (1.70 m³/s) Dec. 6, 1960.

REMARKS.--Records good except those for winter period, which are fair. Many diversions for irrigation above station. Flow regulated by storage in Bear Lake.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	358	289	527	675	747	227	257	523	699	1160	1380	1460
2	256	270	529	723	737	233	266	506	708	1270	1400	1430
3	214	253	529	721	750	235	293	489	715	1310	1400	1460
4	203	241	481	757	652	228	281	476	722	1290	1370	1450
5	197	229	500	776	528	236	287	465	725	1270	1320	1440
6	193	222	503	752	442	299	307	461	749	1240	1240	1340
7	194	221	558	750	356	316	332	482	806	1270	1190	1220
8	195	219	663	710	305	307	348	477	811	1330	1160	1190
9	200	214	698	702	291	307	360	473	817	1370	1200	1190
10	203	209	702	733	256	290	349	543	823	1380	1230	1200
11	206	212	764	723	238	295	355	707	844	1280	1200	1200
12	209	205	787	686	221	423	386	730	884	1230	1300	1200
13	207	207	726	737	220	421	423	753	839	1240	1360	1200
14	202	202	733	783	204	315	471	780	822	1250	1340	1200
15	199	205	731	763	189	307	508	821	797	1260	1390	1210
16	196	200	725	768	187	298	582	866	740	1240	1460	1040
17	186	199	697	768	195	277	650	905	740	1260	1490	831
18	188	207	715	746	204	321	672	938	859	1310	1500	793
19	198	204	728	743	193	345	691	958	979	1290	1480	795
20	211	202	719	811	195	401	707	994	1000	1270	1480	796
21	218	204	697	793	173	425	771	1070	1140	1230	1480	799
22	228	218	703	754	160	448	859	1110	1280	1210	1490	813
23	248	207	627	731	204	450	901	1090	1330	1240	1490	1030
24	249	208	602	788	199	444	859	1070	1340	1290	1480	1300
25	236	206	660	796	184	453	871	1000	1310	1290	1480	1430
26	230	198	696	829	185	255	752	1010	1260	1320	1480	1480
27	224	272	693	821	227	192	694	1050	1210	1370	1480	1480
28	241	640	720	759	216	313	631	1030	1180	1360	1480	1480
29	240	621	745	714	---	291	578	956	1170	1360	1480	1480
30	265	589	616	758	---	311	542	908	1150	1380	1480	1490
31	299	---	591	754	---	294	---	819	---	1380	1480	---
TOTAL	6893	7773	20365	23324	8658	9957	15983	24460	28449	39950	43190	36427
MEAN	222	259	657	752	309	321	533	789	948	1289	1393	1214
MAX	358	640	787	829	750	453	901	1110	1340	1380	1500	1490
MIN	186	198	481	675	160	192	257	461	699	1160	1160	793
AC-FT	13670	15420	40390	46260	17170	19750	31700	48520	56430	79240	85670	72250
CAL YR 1974	TOTAL	321861	MEAN 882	MAX 1700	MIN 186	AC-FT 638400						
WTR YR 1975	TOTAL	265429	MEAN 727	MAX 1500	MIN 160	AC-FT 526500						

BEAR RIVER BASIN

10076400 Soda Creek at Fivemile Meadows, near Soda Springs, Idaho

LOCATION.--Lat 42°43'45", long 111°36'55", in SE¼NW¼ sec.13 T.8 S., R.41 E., Caribou County, on right bank 100 ft (30 m) southeast of Lau ranchhouse, 150 ft (46 m) downstream from Schmidt ditch, and 5 mi (8.0 km) north of Soda Springs.

DRAINAGE AREA.--51.7 mi² (133.9 km²).

PERIOD OF RECORD.--October 1964 to current year. April 1923 to October 1926 at this site published as "at Lau ranch"; records not equivalent owing to diversion in Schmidt ditch during irrigation season.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 5,980 ft (1,822 m) from topographic map. April 1923 to October 1926 at different datum and Oct. 1, 1964 to Aug. 26, 1965 at site 400 ft (122 m) upstream at different datum.

AVERAGE DISCHARGE.--11 years (1964-75), 18.0 ft³/s (0.509 m³/s) 13,040 acre-ft/yr (16.1 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 95 ft³/s (2.69 m³/s) Apr. 25 (gage height, 1.99 ft or 0.607 m); minimum daily, 11 ft³/s (0.31 m³/s) Feb. 2.
Period of record: Maximum discharge, 98 ft³/s (2.78 m³/s) Apr. 2, 1965 (gage height, 4.01 ft or 1.222 m, site and datum then in use); no flow Dec. 24, 1966.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	20	17	16	12	16	18	40	33	32	28	24
2	18	20	17	15	11	16	18	40	33	32	28	24
3	19	19	16	15	13	16	18	39	34	31	28	24
4	19	18	17	14	14	16	18	38	34	31	28	24
5	18	18	17	14	15	16	19	35	34	31	27	23
6	18	18	17	15	15	16	19	34	34	33	27	23
7	18	18	17	15	16	16	19	36	34	32	27	24
8	18	17	17	14	15	16	19	39	34	31	26	23
9	18	18	17	15	15	16	19	42	33	32	26	23
10	18	17	16	14	15	16	19	36	33	31	26	23
11	18	17	16	15	15	16	19	32	32	31	26	23
12	18	17	16	15	15	16	19	32	32	31	26	23
13	18	17	16	15	15	16	20	31	32	31	26	22
14	18	17	16	15	15	16	21	31	32	31	26	24
15	17	17	17	16	15	16	24	31	31	31	25	24
16	17	17	16	15	15	16	26	31	32	31	25	24
17	17	17	17	14	14	17	28	31	33	31	25	23
18	17	18	16	14	14	19	31	31	35	31	25	23
19	17	18	17	14	14	19	35	31	35	31	25	23
20	17	18	16	13	14	19	46	33	34	31	25	23
21	18	18	16	15	14	20	65	33	35	31	25	22
22	18	19	17	14	13	18	85	33	36	30	25	22
23	18	18	17	14	13	19	91	33	36	29	25	22
24	17	18	16	15	13	20	84	33	34	29	25	23
25	17	18	16	15	13	19	90	33	34	28	25	23
26	16	18	16	15	13	19	69	33	34	28	25	24
27	16	18	16	15	14	19	55	33	33	28	25	23
28	17	18	16	14	15	19	44	34	33	28	24	22
29	17	18	16	14	---	19	41	33	33	28	24	22
30	19	17	16	13	---	19	38	33	32	29	24	22
31	19	---	15	12	---	19	---	33	---	29	24	---
TOTAL	549	536	508	449	395	540	1117	1057	1004	943	796	692
MEAN	17.7	17.9	16.4	14.5	14.1	17.4	37.2	34.1	33.5	30.4	25.7	23.1
MAX	19	20	17	16	16	20	91	42	36	33	28	24
MIN	16	17	15	12	11	16	18	31	31	28	24	22
AC-FT	1090	1060	1010	891	783	1070	2220	2100	1990	1870	1580	1370
CAL YR 1974	TOTAL	7953	MEAN 21.8	MAX 64	MIN 14	AC-FT	15770					
WTR YR 1975	TOTAL	8586	MEAN 23.5	MAX 91	MIN 11	AC-FT	17030					

BEAR RIVER BASIN

179

10079500 Bear River at Alexander, Idaho

LOCATION.--Lat 42°38'42", long 111°41'51", in NE¼SW¼NW¼ sec.17, T.9 S., R.41 E., Caribou County, on right bank 600 ft (183 m) downstream from Soda hydroelectric plant of Utah Power & Light Co., 0.5 mi (0.8 km) southeast of Alexander and 5 mi (8 km) downstream from Soda Creek.

DRAINAGE AREA.--4,099 mi² (10,616 km²).

PERIOD OF RECORD.--March 1911 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 5,650 ft (1,722 m) from topographic map.

AVERAGE DISCHARGE.--64 years, 774 ft³/s (21.9 m³/s) 560,800 acre ft/yr (691 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,920 ft³/s (54.4 m³/s) Oct. 1 (gage height, 2.90 ft or 0.884 m); minimum, 77 ft³/s (2.18 m³/s) Oct. 29.
Period of record: Maximum discharge observed, 4,740 ft³/s (139 m³/s) Mar. 31, 1911; maximum gage height, 15.95 ft (4.862 m) Dec. 11, 1919 (backwater from ice); minimum discharge, 28 ft³/s (0.79 m³/s) at times when reservoir gates were closed.

REMARKS.--Records good. Flow regulated by Bear Lake Reservoir and Soda hydroelectric plant.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	492	141	738	528	731	107	550	950	1040	1130	1330	1580
2	480	97	729	767	718	106	352	950	987	1210	1350	1540
3	484	89	649	741	714	432	344	953	904	1270	1330	1500
4	472	133	664	765	717	430	534	956	869	739	1330	1320
5	474	89	652	853	698	414	560	965	818	1030	1340	1430
6	485	125	818	938	572	416	498	949	443	934	1320	1500
7	479	245	849	946	469	417	562	752	685	1210	1330	1300
8	482	313	838	948	278	357	496	647	852	1360	1360	1230
9	485	311	857	856	274	308	515	642	849	1340	1350	1230
10	476	307	841	769	445	450	456	688	883	1300	1360	1280
11	488	310	855	762	439	454	493	910	923	1370	1370	1300
12	473	309	799	843	442	451	535	888	997	1430	1360	1290
13	487	305	819	951	431	444	540	891	994	1420	1370	1290
14	373	306	767	930	395	353	614	946	689	1380	1190	1300
15	410	307	818	870	113	639	681	966	541	1390	1330	1300
16	460	301	868	872	118	326	703	972	916	1420	1340	1250
17	442	309	964	872	139	626	697	981	868	1410	1440	1220
18	561	308	951	876	297	424	694	996	894	1410	1510	1210
19	690	324	903	842	443	513	706	1010	894	1380	1490	1190
20	662	344	890	880	425	472	696	1020	1070	1370	1510	1190
21	575	332	958	874	432	500	696	1020	1340	1310	1530	1190
22	219	292	976	856	432	512	700	1030	1370	1370	1560	1150
23	84	284	906	856	123	478	698	1010	1360	1360	1610	952
24	160	283	466	901	422	742	824	1020	1360	1350	1610	904
25	84	540	464	910	416	639	974	1020	1370	1360	1580	903
26	145	750	854	884	453	702	1090	1010	1380	1390	1490	1330
27	86	749	772	884	436	613	839	1010	1380	1390	1580	1460
28	149	739	767	898	445	310	704	1010	1420	1400	1580	1450
29	83	737	641	902	---	276	704	1010	1260	1380	1580	1450
30	146	738	762	837	---	313	764	1010	1100	1370	1580	1430
31	85	---	766	847	---	577	---	1030	---	1370	1580	---
TOTAL	11671	10417	24601	26458	12017	13801	19219	29212	30456	40553	44590	38669
MEAN	376	347	794	853	429	445	641	942	1015	1308	1438	1289
MAX	690	750	976	951	731	742	1090	1030	1420	1430	1610	1580
MIN	83	89	464	528	113	106	344	642	443	739	1190	903
AC-FT	23150	20660	48800	52480	23840	27370	38120	57940	60410	80440	88440	76700
CAL YR 1974 TOTAL	359610			MEAN 985	MAX 1570	MIN 83	AC-FT 713300					
WTR YR 1975 TOTAL	301664			MEAN 826	MAX 1610	MIN 83	AC-FT 598400					

BEAR RIVER BASIN

10084500 Cottonwood Creek near Cleveland, Idaho

LOCATION.--Lat 42°19'57", long 111°46'27", in SW¼ sec.34, T.12 S., R.40 E., Franklin County, on right bank 500 ft (152 m) upstream from Cleveland irrigation canal, 2.5 mi (4.0 km) west of Cleveland, and 4 mi (6 km) downstream from proposed Cottonwood Dam.

DRAINAGE AREA.--61.7 mi² (159.8 km²).

PERIOD OF RECORD.--November 1938 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 5,150 ft (1,570 m) from topographic map. Prior to Dec. 29, 1944, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years (1939-75), 31.5 ft³/s (0.891 m³/s) 22,820 acre ft/yr (28.1 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 788 ft³/s (22.3 m³/s) May 16 (gage height, 4.01 ft or 1.222 m); minimum, 4.5 ft³/s (0.13 m³/s) Dec. 1
Period of record: Maximum discharge, 788 ft³/s (22.3 m³/s) May 16, 1975 (gage height, 4.01 ft or 1.223 m); minimum, 0.1 ft³/s (0.003 m³/s) Aug. 11, 1961.

REMARKS.--Records good except those for periods of ice effect, which are fair. A few small diversions for irrigation of meadowland in Cottonwood Valley above station. Treasureton Canal diverts from Cottonwood Creek 10.1 mi (16.3 km) above station in SW¼ sec.8, T.12 S., R.39 E., for irrigation in Battle Creek basin in vicinity of Treasureton.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	17	6.1	10	11	12	16	55	251	29	18	9.8
2	7.0	15	6.0	10	11	14	17	80	255	27	18	9.8
3	7.1	14	5.9	10	10	16	16	155	248	26	17	9.9
4	8.2	13	5.7	10	10	16	16	248	236	26	16	9.6
5	7.9	13	6.0	10	10	16	16	153	222	25	15	9.3
6	8.0	13	6.0	10	10	16	16	125	211	30	15	9.2
7	7.9	12	6.0	10	11	17	16	109	215	24	14	8.8
8	8.0	12	6.0	11	11	17	16	123	179	22	14	8.6
9	8.7	13	6.0	11	12	17	16	142	155	21	16	8.8
10	9.0	12	6.0	11	11	17	16	196	137	21	17	9.3
11	8.7	11	5.3	10	11	17	20	333	119	21	17	10
12	8.6	12	5.6	10	12	17	24	338	112	20	17	9.9
13	8.3	12	6.2	10	12	16	30	324	107	19	17	9.7
14	8.3	12	7.1	11	11	16	36	451	102	19	17	9.6
15	8.3	12	7.5	12	11	16	38	420	94	19	17	9.6
16	8.3	11	7.4	12	11	16	41	528	88	19	17	10
17	8.2	10	7.7	12	11	16	39	590	94	19	16	10
18	8.1	12	8.5	12	11	16	38	494	101	19	13	9.9
19	8.4	13	9.3	11	11	16	38	393	92	19	13	10
20	8.4	11	9.0	11	11	16	44	279	86	17	14	10
21	10	12	9.8	11	11	16	62	229	81	18	15	10
22	10	12	11	11	11	16	93	187	73	16	15	10
23	12	13	10	11	11	16	96	184	64	16	15	9.8
24	11	11	10	11	11	17	93	190	58	15	14	9.7
25	11	12	9.9	13	11	18	114	202	55	15	14	9.6
26	11	11	10	13	11	16	84	196	53	15	13	9.5
27	10	9.6	10	13	11	21	70	199	48	14	12	9.7
28	10	9.5	10	12	11	25	61	215	44	14	12	9.8
29	11	11	10	12	---	25	55	229	40	15	12	9.9
30	14	6.8	10	12	---	17	52	244	38	24	12	10
31	16	---	10	11	---	16	---	251	---	24	10	---
TOTAL	288.5	357.9	244.0	344	307	523	1289	7862	3658	628	462	289.8
MEAN	9.31	11.9	7.87	11.1	11.0	16.9	43.0	254	122	20.3	14.9	9.66
MAX	16	17	11	13	12	25	114	590	255	30	18	10
MIN	7.0	6.8	5.3	10	10	12	16	55	38	14	10	8.6
AC-FT	572	710	484	682	609	1040	2560	15590	7260	1250	916	575
CAL YR 1974 TOTAL	14215.4											
MEAN 38.9												
MAX 373												
MIN 5.2												
AC-FT 28200												
WTR YR 1975 TOTAL	16253.2											
MEAN 44.5												
MAX 590												
MIN 5.3												
AC-FT 32240												

PEAK DISCHARGE (BASE, 200 ft³/s)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-3	2100	3.15	324	5-16	2100	4.01	788
5-11	2100	3.66	596	6-1	2400	3.11	305

BEAR RIVER BASIN

181

10086500 Bear River below Utah Power & Light Co.'s tailrace, at Oneida, Idaho

LOCATION.--Lat 42°16'00", long 111°45'04", in NE¼SE¼NW¼ sec.26, T.13 S., R.40 E., Franklin County, on right bank 200 ft (61 m) downstream from tailrace of Oneida plant and 6 mi (10 km) south of Cleveland.

DRAINAGE AREA.--4,456 mi² (11,541 km²).

PERIOD OF RECORD.--October 1921 to current year. Monthly discharge only October 1921 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 4,800 ft (1,460 m) from topographic map.

AVERAGE DISCHARGE.--54 years, 829 ft³/s (23.5 m³/s) 600,300 acre ft/yr (740 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 3,030 ft³/s (85.8 m³/s) Oct. 22 (gage height, 6.59 ft or 2.009 m); minimum, 13 ft³/s (0.37 m³/s) June 5.
Period of record: Maximum daily discharge, 5,480 ft³/s (155 m³/s) May 8, 1922; minimum daily, 10 ft³/s (0.28 m³/s) Dec. 6, 1964.

REMARKS.--Records good. Many diversions above station. Flow regulated by Bear Lake and Soda, Grace, and Oneida hydroelectric plants.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	591	386	743	1310	1030	623	1010	1460	1830	1120	1380	1650
2	671	958	949	812	1050	161	651	1620	1680	725	1010	1320
3	562	948	883	927	796	512	478	1070	1660	1160	1200	1400
4	832	666	915	834	916	664	548	2060	1720	505	1050	1510
5	612	446	958	1160	732	654	891	1310	724	773	1210	1600
6	770	132	784	1060	981	720	910	1280	1560	688	1090	1020
7	635	130	1130	1190	643	901	709	1410	550	1360	929	1560
8	620	130	934	1170	497	636	608	1230	1520	648	1320	1110
9	718	518	1120	1130	547	587	648	1150	711	1560	1240	1180
10	622	936	1000	914	584	711	771	883	1420	505	1260	1090
11	886	785	1290	857	507	611	707	1300	1340	1620	968	1470
12	535	449	859	800	621	744	693	1380	1060	1260	865	1140
13	666	128	1350	1340	733	540	847	1720	1240	897	1140	1060
14	553	225	959	811	617	876	717	1220	928	1260	1240	1610
15	416	168	633	1310	588	566	1120	1850	785	1140	994	1230
16	637	262	861	1300	96	784	898	1860	574	1210	1120	1650
17	722	50	1130	1080	236	485	1130	2150	863	1130	1070	902
18	578	770	1110	1290	449	850	858	1560	918	1030	1210	1150
19	860	601	1210	993	708	473	1290	1910	1120	1230	1490	1310
20	874	334	1130	1110	720	631	731	1820	782	1260	1140	1330
21	1290	501	1190	1230	592	606	1250	1370	1440	1030	1410	1030
22	1690	684	1210	958	721	627	1070	2210	1330	1220	1130	1290
23	1170	386	1110	1020	243	759	1070	1540	1730	1460	1490	1360
24	132	582	1100	1180	285	905	1190	1460	1820	876	1360	1120
25	134	557	109	1070	669	993	1360	1640	917	1100	1780	1280
26	132	896	718	1240	622	1060	1500	1610	1610	1080	1330	481
27	133	718	1130	1140	559	862	1390	1740	1100	1500	1020	1660
28	135	995	1220	1160	607	761	1140	1520	1800	963	1460	1320
29	135	956	840	977	---	387	1110	1020	1010	1150	1650	1620
30	134	900	923	1140	---	320	933	1910	1400	1080	1770	1460
31	135	---	157	1030	---	557	---	1480	---	1190	1230	---
TOTAL	18580	16197	29655	33543	17349	20566	28228	47743	37142	33730	38556	38913
MEAN	599	540	957	1082	620	663	941	1540	1238	1088	1244	1297
MAX	1690	995	1350	1340	1050	1060	1500	2210	1830	1620	1780	1660
MIN	132	50	109	800	96	161	478	883	550	505	865	481
AC-FT	36850	32130	58820	66530	34410	40790	55990	94700	73670	66900	76480	77180
CAL YR 1974	TOTAL	405256	MEAN	1110	MAX	1950	MIN	50	AC-FT	803800		
WTR YR 1975	TOTAL	360202	MEAN	987	MAX	2210	MIN	50	AC-FT	714500		

BEAR RIVER BASIN

10090500 Bear River near Preston, Idaho

LOCATION.--Lat 42°10'05", long 111°50'59", in NW¼ sec.36, T.14 S., R.39 E., Franklin County, on left bank 600 ft (183 m) downstream from headgates of West Cache Canal, 5 mi (8 km) downstream from Mink Creek, 5 mi (8 km) north of Preston, and 5.5 mi (8 km) upstream from Battle Creek.

DRAINAGE AREA.--4,545 mi² (11,772 km²).

PERIOD OF RECORD.--October 1889 to December 1916, January to September 1917 (gage heights only), October 1943 to current year. Prior to 1903, published as "at Battlecreek." Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 4,524.8 ft (1,379.16 m) above mean sea level, unadjusted. October 1889 to September 1917 nonrecording gages at several sites within 5 mi (8 km) downstream at different datums.

AVERAGE DISCHARGE.--32 years (1943-75), 866 ft³/s (24.5 m³/s) 627,200 acre-ft/yr (773 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 3,070 ft³/s (86.9 m³/s) May 19 (gage height, 4.61 ft or 1.405 m); minimum recorded, 15 ft³/s (0.42 m³/s) Oct. 2.
1889-1917: Maximum discharge, about 8,500 ft³/s (241 m³/s) June 9, 10, 1907, estimated on basis of records for station near Collinston, Utah; maximum gage height observed, 9.04 ft (2.755 m) Jan. 17, 18, 1917 (backwater from ice), site and datum then in use; minimum discharge not determined.
1943-75: Maximum discharge, 4,420 ft³/s (125 m³/s) Apr. 17, 1950 (gage height, 5.61 ft or 1.710 m); minimum, 0.6 ft³/s (0.017 m³/s) June 14, 1949; minimum daily, 2.0 ft³/s (0.057 m³/s) May 11, 1968.

REMARKS.--Records good. Station is below all irrigation diversions from Bear River in Idaho except Cub River pumps in SE¼ sec.20, T.16 S., R.39 E. Natural flow of stream affected by storage reservoirs, power development, diversions for irrigation, and return flow from irrigated areas.

REVISIONS (WATER YEARS).--WSP 205: 1905-7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	468	302	756	938	1080	569	835	1610	1970	1150	1370	1540
2	528	931	943	2670	1090	263	844	1490	1910	773	878	1210
3	538	919	783	2540	929	556	502	1350	1820	1240	1050	1360
4	727	664	904	1970	936	681	602	1910	1910	760	940	1230
5	480	530	840	1270	619	655	792	1440	880	763	1140	1590
6	769	143	625	1120	1060	694	871	1360	1690	665	885	842
7	507	137	1130	1200	787	929	806	1540	1000	1500	653	1460
8	589	133	984	1280	490	720	605	1210	1490	494	1230	998
9	614	406	1020	1100	595	539	673	1420	866	1640	1300	1170
10	707	894	901	1060	647	711	712	927	1440	691	1030	674
11	788	762	1390	815	506	701	610	1380	1270	1360	957	1580
12	473	533	798	1040	615	586	661	1650	1020	1030	502	1000
13	684	139	1070	1320	802	715	940	1900	1260	1010	1140	1090
14	541	210	1000	696	654	694	727	1370	1130	999	1160	1370
15	507	177	646	1360	567	663	1050	1940	964	1040	895	1300
16	647	248	927	1300	276	899	747	2290	778	1050	994	1470
17	737	85	1070	999	243	514	1250	2260	839	1160	973	946
18	623	642	1100	1150	371	777	923	1860	1070	907	1000	878
19	770	615	1040	1140	733	532	1330	2250	1410	1080	1330	1340
20	830	230	1010	1070	744	500	692	2070	982	971	981	1220
21	1120	433	1010	1090	647	736	1330	1670	1530	888	1350	1060
22	1450	741	1290	994	543	792	1090	2340	1090	995	1080	1210
23	1410	399	970	1030	493	725	1060	2040	2060	1160	1240	1340
24	141	464	1250	1130	280	809	1320	1610	1630	807	1380	1090
25	133	556	294	1000	667	994	1300	1790	1150	860	1630	1100
26	128	913	735	1400	605	1020	1720	1820	1570	993	1210	503
27	127	645	901	1050	630	854	1500	1940	1300	1300	873	1470
28	128	949	1270	1040	629	858	1200	1490	1860	843	1450	1140
29	130	928	885	1150	---	653	1250	1290	1170	947	1370	1660
30	142	894	925	1080	---	301	755	1950	1430	914	1740	1260
31	148	---	335	943	---	550	---	1640	---	986	1110	---
TOTAL	17584	15622	28802	37945	18238	21190	28697	52807	40489	30996	34841	36101
MEAN	567	521	929	1224	651	684	957	1703	1350	1000	1124	1203
MAX	1450	949	1390	2670	1090	1020	1720	2340	2060	1640	1740	1660
MIN	127	85	294	696	243	263	502	927	778	494	502	503
AC-FT	34880	30990	57130	75260	36180	42030	56920	104700	80310	61480	69110	71610
CAL YR 1974	TOTAL	401386	MEAN	1100	MAX	2220	MIN	85	AC-FT	796100		
WTR YR 1975	TOTAL	363312	MEAN	995	MAX	2670	MIN	85	AC-FT	720600		

BEAR RIVER BASIN

183

10091200 Deep Creek near Clifton, Idaho

LOCATION.--Lat 42°11'55", long 111°59'09", in SE¼SW¼ sec.14 T.14 S., R.38 E., Franklin County, on right bank 40 ft (12 m) above county road culvert, and 1.3 mi (2.1 km) northeast of Clifton.

DRAINAGE AREA.--107 mi² (277 km²).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder and culvert control. Altitude of gage is 4,705 ft (1,434 m) from topographic map.

AVERAGE DISCHARGE.--9 years, 12.6 ft³/s (0.357 m³/s) 9,140 acre-ft/yr (11.3 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 97 ft³/s (2.75 m³/s) Mar. 6 (gage height, 5.17 ft or 1.576 m, from high water marks on outside of well); minimum, 0.68 ft³/s (0.019 m³/s) Oct. 19.
Period of record: Maximum discharge, 152 ft³/s (4.30 m³/s) Mar. 31, 1969 (gage height, 6.80 ft or 2.073 m, from high water mark on outside of well); minimum, 0.57 ft³/s (0.016 m³/s) Nov. 26, 27, 1966, Sept. 29, 1970.

REMARKS.--Records good except those for winter periods, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	2.3	2.3	1.2	2.0	8.0	25	27	14	8.2	3.3	1.4
2	1.2	2.0	2.6	1.2	2.0	11	25	26	14	7.9	3.6	1.4
3	1.1	1.8	2.9	1.2	2.5	22	30	24	16	7.9	4.9	1.2
4	1.2	1.8	3.2	1.4	2.5	47	30	26	17	7.9	4.1	1.2
5	1.2	1.8	3.5	1.4	2.6	53	30	26	15	7.1	4.0	1.2
6	1.2	1.8	3.4	1.5	3.0	60	35	24	15	6.8	3.3	1.2
7	1.0	1.8	3.1	1.5	3.0	72	35	29	19	6.6	2.8	1.2
8	.99	1.8	2.9	1.5	3.0	65	35	28	17	6.8	2.7	1.2
9	1.1	1.8	2.7	1.5	4.0	62	40	32	13	7.4	2.6	1.4
10	1.1	1.8	2.5	1.5	5.8	69	40	34	12	8.3	2.8	1.6
11	1.1	1.7	2.3	1.5	5.5	68	40	34	13	7.6	2.7	1.8
12	.99	1.8	2.3	1.5	6.2	63	39	34	12	7.0	2.6	1.4
13	1.0	1.8	2.2	1.5	6.5	60	38	36	11	6.5	2.5	1.4
14	.99	1.8	2.2	1.5	6.0	58	37	31	11	5.9	2.4	1.8
15	.99	1.9	2.1	1.5	6.0	56	36	28	10	6.7	2.8	1.8
16	1.0	1.9	2.1	2.0	5.8	53	35	24	10	5.0	2.7	2.0
17	1.0	1.9	2.0	2.0	5.8	48	34	25	9.6	4.1	2.6	2.2
18	.99	2.5	2.0	2.0	5.6	45	33	24	14	4.3	2.5	2.0
19	.99	2.6	2.0	2.0	5.6	46	32	23	13	4.0	2.6	2.0
20	.94	2.4	1.8	2.0	5.8	46	31	24	14	3.5	2.5	1.8
21	1.2	2.4	1.8	2.0	5.8	43	30	24	15	3.9	2.4	1.8
22	1.2	2.7	1.8	2.0	5.6	41	29	22	13	4.0	2.3	1.6
23	1.3	2.4	1.8	2.0	5.6	40	28	21	12	3.0	2.2	1.6
24	1.3	2.7	1.6	2.0	5.6	38	27	21	14	4.7	2.1	1.6
25	1.3	2.6	1.6	2.0	5.4	46	28	20	15	3.0	2.0	1.8
26	1.3	2.6	1.6	2.0	5.4	49	28	19	19	2.5	1.9	2.0
27	1.3	2.3	1.6	2.0	5.4	38	28	18	16	3.4	1.8	2.2
28	1.3	2.3	1.4	2.0	6.0	30	28	17	12	3.1	1.7	2.2
29	1.5	2.3	1.4	2.0	---	25	28	17	10	3.9	1.6	2.4
30	2.1	2.3	1.4	2.0	---	20	28	16	9.4	4.4	1.5	2.4
31	2.3	---	1.4	2.0	---	20	---	15	---	5.2	1.4	---
TOTAL	37.78	63.6	67.5	53.4	134.0	1402.0	962	769	405.0	170.6	80.9	50.8
MEAN	1.22	2.12	2.18	1.72	4.79	45.2	32.1	24.8	13.5	5.50	2.61	1.69
MAX	2.3	2.7	3.5	2.0	6.5	72	40	36	19	8.3	4.9	2.4
MIN	.94	1.7	1.4	1.2	2.0	8.0	25	15	9.4	2.5	1.4	1.2
AC-FT	75	126	134	106	266	2780	1910	1530	803	338	160	101
CAL YR 1974	TOTAL	4976.56	MEAN 13.6	MAX 129	MIN .94	AC-FT 9870						
WTR YR 1975	TOTAL	4196.58	MEAN 11.5	MAX 72	MIN .94	AC-FT 8320						

BEAR RIVER BASIN

10092700 Bear River at Idaho-Utah State line

LOCATION.--Lat 42°00'47", long 111°55'14", in NW¼NE¼ sec.29, T.16 S., R.39 E., Franklin County, Idaho, on left bank 1,050 ft (320 m) downstream from inlet canal to Cub River pumps, 1.1 mi (1.8 km) downstream from Weston Creek, 1.8 mi (2.9 km) upstream from State line, and 3.5 mi (5.6 km) southeast of Weston.

DRAINAGE AREA.--4,881 mi² (12,642 km²).

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,420 ft (1,347 m) from topographic map.

AVERAGE DISCHARGE.--5 years, 1452 ft³/s (41.1 m³/s) 1,052,000 acre ft/yr (1.30 km³/yr).

EXTREMES.--Current year: Maximum discharge, 3,070 ft³/s (86.9 m³/s) May 18 (gage height, 6.60 ft or 2.012 m); minimum daily, 179 ft³/s (5.07 m³/s) Oct. 29, Nov. 9.
Period of record: Maximum discharge, 4,190 ft³/s (119 m³/s) June 12 (gage height, 8.25 ft or 2.515 m); minimum daily, 73 ft³/s (2.07 m³/s) Nov. 20, 1970.

REMARKS.--Records good except those for winter period and those for period of no gage-height record, which are fair. Natural flow of stream affected by storage reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	582	228	765	800	1100	601	844	1400	1720	1500	1240	1420
2	523	816	861	1200	1200	586	1040	1710	1930	978	1140	1460
3	681	1000	1000	3000	1200	484	733	1930	1860	1220	1090	1300
4	619	890	866	2500	1100	845	643	1580	2000	1260	1070	1340
5	719	767	755	2000	1000	808	691	1890	1580	653	1220	1680
6	649	239	895	1500	900	971	1040	1380	1420	976	914	1080
7	715	196	912	1300	1200	1080	967	1770	1720	1140	942	1170
8	686	186	1190	1200	900	933	787	1390	764	1090	1050	1460
9	761	179	1100	1400	700	908	851	1620	1710	982	1400	1230
10	724	911	1200	1200	800	926	792	1370	1150	1460	806	918
11	639	970	1100	1100	700	896	808	1330	1300	928	1320	1470
12	952	775	1500	1000	600	757	839	1780	1500	1270	631	1060
13	587	232	1100	1200	700	932	807	1840	1230	1330	878	1340
14	688	185	1200	1400	1000	763	887	1800	1290	1150	1110	1290
15	707	268	1300	1000	800	1010	954	1820	1030	981	887	1690
16	405	248	1100	1500	600	695	1160	2690	1120	1220	1200	1150
17	859	297	1200	1300	500	971	1190	2070	777	1270	698	1700
18	806	248	1300	1200	400	616	1210	2240	1300	956	1100	833
19	527	733	1400	1300	800	955	1040	2280	1240	1110	1080	1280
20	1070	635	1300	1300	900	712	1220	2220	1620	829	1320	1220
21	968	399	1200	1200	800	883	1120	2160	1200	1240	829	1350
22	1280	578	1200	1300	544	858	1280	2180	1660	828	1250	1180
23	2380	710	1400	1200	777	871	1310	2340	1790	1100	1170	1480
24	336	463	1200	1200	330	766	1250	1680	1680	1130	1280	1380
25	216	750	1300	1300	535	1150	1610	1890	1940	837	1480	1190
26	196	751	800	1200	748	1320	1690	1780	1500	930	1460	943
27	189	881	1000	1500	797	1010	1840	2090	1680	922	1200	811
28	184	706	1100	1200	706	801	1490	1710	1650	1370	1160	1490
29	179	967	1400	1200	---	950	1310	1720	2190	680	1410	1590
30	215	998	1100	1300	---	679	1090	1420	1370	1020	1530	1550
31	250	---	1200	1100	---	679	---	1920	---	1050	1360	---
TOTAL	20292	17206	34944	42100	22337	26416	32493	57000	44921	33410	35225	39055
MEAN	655	574	1127	1358	798	852	1083	1839	1497	1078	1136	1302
MAX	2380	1000	1500	3000	1200	1320	1840	2690	2190	1500	1530	1700
MIN	179	179	755	800	330	484	643	1330	764	653	631	811
AC-FT	40250	34130	69310	83510	44310	52400	64450	113100	89100	66270	69870	77470
CAL YR 1974	TOTAL	453791	MEAN	1243	MAX	2380	MIN	179	AC-FT	900100		
WTR YR 1975	TOTAL	405399	MEAN	1111	MAX	3000	MIN	179	AC-FT	804100		

NOTE.--No gage-height record Dec. 8 to Feb. 21.

BEAR RIVER BASIN

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10093000 Cub River near Preston, Idaho

LOCATION.--Lat 42°08'28", long 111°41'19", in SW¼ sec.5, T.15 S., R.41 E., Franklin County, Cache National Forest, on right bank 0.2 mi (0.3 km) upstream from headgates of Cub River-Worm Creek Canal, 0.7 mi (1.1 km) upstream from forest boundary, and 10 mi (16 km) east of Preston.

DRAINAGE AREA.--31.6 mi² (81.8 km²).

PERIOD OF RECORD.--March 1940 to September 1952, October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,285.1 ft (1,610.90 m) above mean sea level, unadjusted.

AVERAGE DISCHARGE.--32 years, 85.0 ft³/s (2.41 m³/s) 61,590 acre-ft/yr (75.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 753 ft³/s (21.3 m³/s) June 16 (gage height, 2.91 ft or 0.887 m); minimum, 16 ft³/s (0.45 m³/s) Feb. 6, 20, 23-27.
Period of record: Maximum discharge, 803 ft³/s (22.7 m³/s) June 11, 1971 (gage height, 3.13 ft or 0.954 m); maximum gage height, 3.83 ft (1.167 m) June 2, 1943; no flow for part of Jan. 29, 1965, result of snowslide.

REMARKS.--Records good except those for winter periods, which are fair. No diversion above station.

REVISIONS.--WRD Utah 1974: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	28	21	18	17	17	18	34	405	480	106	55
2	31	26	21	18	17	18	18	39	458	484	102	54
3	31	26	21	18	17	20	18	57	467	493	100	53
4	31	25	21	18	17	21	18	80	475	493	96	52
5	31	25	21	18	17	22	18	67	471	484	94	51
6	30	25	20	18	16	24	19	58	525	475	90	50
7	30	25	21	18	16	25	19	54	616	467	88	49
8	29	25	20	19	16	25	19	56	625	445	85	48
9	29	25	20	18	17	26	18	56	600	441	82	47
10	29	24	19	18	17	25	18	63	475	421	81	49
11	28	24	19	18	16	25	19	89	409	379	80	47
12	28	24	19	18	16	24	21	114	429	340	78	47
13	28	23	21	18	17	24	27	98	530	303	77	46
14	28	23	20	17	17	24	32	121	637	280	76	45
15	28	23	19	17	17	25	32	170	711	256	75	44
16	28	23	19	17	17	25	35	231	729	241	73	43
17	28	23	19	17	16	24	34	287	681	222	72	43
18	27	24	19	17	16	23	31	315	630	206	71	42
19	27	23	19	17	16	23	30	319	545	194	70	42
20	27	23	20	17	17	27	32	280	433	184	69	41
21	28	22	19	17	16	28	41	236	390	172	67	40
22	27	23	19	17	16	27	55	189	433	163	66	39
23	27	22	19	17	16	25	58	168	480	155	65	39
24	26	22	19	18	16	23	53	161	502	146	64	38
25	26	22	19	20	16	25	60	182	535	140	63	38
26	25	22	19	18	16	23	54	186	493	132	60	38
27	25	21	19	18	16	21	48	194	450	127	59	38
28	26	21	19	18	17	21	41	209	467	123	58	37
29	27	21	19	18	---	21	38	231	471	119	58	37
30	28	21	19	17	---	19	35	268	484	116	57	36
31	28	---	19	17	---	19	---	332	---	112	56	---
TOTAL	872	704	608	549	461	719	959	4944	15556	8793	2338	1328
MEAN	28.1	23.5	19.6	17.7	16.5	23.2	32.0	159	519	284	75.4	44.3
MAX	31	28	21	20	17	28	60	332	729	493	106	55
MIN	25	21	19	17	16	17	18	34	390	112	56	36
AC-FT	1730	1400	1210	1090	914	1430	1900	9810	30860	17440	4640	2630
CAL YR 1974	TOTAL	35996	MEAN	98.6	MAX	637	MIN	19	AC-FT	71400		
WTR YR 1975	TOTAL	37831	MEAN	104	MAX	729	MIN	16	AC-FT	75040		

BEAR RIVER BASIN

10102250 Bear River near Smithfield, Utah

LOCATION.--Lat 41°50'24", long 111°52'51", in S½ sec.30, R.1 E., T.13 N., Cache County, on upstream side of left abutment of abandoned highway bridge, 0.6 mi (1.0 km) upstream from mouth of Summit Creek, and 2.6 mi (4.2 km) west of Smithfield.

DRAINAGE AREA.--5,193 mi² (13,450 km²).

PERIOD OF RECORD.--April 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,399.89 ft (1,341.086 m) above mean sea level (Utah State Highway bench mark).

AVERAGE DISCHARGE.--11 years, 1,432 ft³/s (40.6 m³/s) 1,037,000 acre-ft/yr (1.28 km³/yr).

EXTREMES.--Current year: Maximum discharge, 4,110 ft³/s (116 m³/s) May 19 (gage height 13.84 ft or 4.218 m); minimum daily, 323 ft³/s (9.15 m³/s) Nov. 9.
Period of record: Maximum discharge, 5,850 ft³/s (166 m³/s) June 13, 14, 1971 (gage height, 14.46 ft or 4.407 m); minimum daily, 132 ft³/s (3.74 m³/s) May 30, 1966.

REMARKS.--Records good except those for winter months, which are fair. Natural flow of stream affected by storage reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	740	527	1220	1450	1520	938	1030	1790	2840	2470	1400	1640
2	812	535	1060	1450	1730	964	1230	1750	3040	2370	1530	1560
3	800	1080	1130	1450	1760	839	1360	1940	3200	2050	1520	1650
4	894	1240	1210	1450	1740	950	1110	2150	3390	1910	1440	1520
5	928	1100	1180	1460	1500	1210	1010	2180	3410	1910	1400	1550
6	903	913	1120	1540	1370	1350	1120	2380	3280	1570	1410	1700
7	973	408	1070	1690	1440	1640	1360	2340	2940	1570	1280	1470
8	915	334	1210	1810	1450	1760	1390	2280	3030	1680	1180	1370
9	958	323	1310	1910	949	1720	1190	2220	2710	1650	1330	1550
10	984	461	1220	2010	956	1600	1180	2160	2810	1580	1480	1410
11	974	1020	1270	1960	1040	1580	1190	2030	2590	1740	1190	1310
12	910	1090	1460	1780	977	1510	1150	1940	2460	1520	1390	1530
13	1010	893	1360	1550	959	1370	1170	2190	2350	1640	921	1490
14	895	399	1330	1520	1110	1360	1220	2400	2210	1620	1150	1490
15	839	345	1430	1670	1140	1280	1290	2560	2260	1440	1310	1550
16	811	360	1170	1690	985	1350	1350	2700	2210	1390	1250	1690
17	762	387	1110	1870	693	1250	1540	3200	2200	1380	1360	1580
18	1010	381	1290	2000	511	1280	1630	3890	2080	1440	1140	1710
19	969	558	1400	1990	645	1130	1610	4080	2320	1230	1300	1370
20	869	863	1390	1980	880	1290	1560	4040	2450	1280	1350	1520
21	1200	657	1490	1910	1020	1170	1580	3990	2540	1190	1490	1550
22	1300	619	1440	1830	1050	1280	1550	3760	2380	1330	1310	1580
23	1500	830	1480	1780	897	1290	1770	3410	2490	1120	1430	1500
24	1810	758	1630	1710	846	1290	1880	3290	2610	1300	1460	1590
25	1010	676	1650	1730	526	1350	1890	3060	2770	1290	1540	1620
26	437	848	1620	1810	828	1740	2050	2890	2890	1050	1590	1460
27	384	962	1440	1870	919	1920	2230	2830	2790	1110	1640	1110
28	401	1040	1430	1870	956	1710	2320	2840	2750	1120	1450	1160
29	380	1040	1430	1740	---	1460	2250	2840	2660	1380	1450	1560
30	421	1180	1630	1680	---	1350	2030	2780	2640	1090	1580	1640
31	536	---	1510	1440	---	1020	---	2630	---	1330	1690	---
TOTAL	27335	21827	41690	53600	30397	41951	45240	84540	80300	46750	42961	45430
MEAN	882	728	1345	1729	1086	1353	1508	2727	2677	1508	1386	1514
MAX	1810	1240	1650	2010	1760	1920	2320	4080	3410	2470	1690	1710
MIN	380	323	1060	1440	511	839	1010	1750	2080	1050	921	1110
AC-FT	54220	43290	82690	106300	60290	83210	89730	167700	159300	92730	85210	90110
CAL YR 1974	TOTAL	567391	MEAN	1554	MAX	3040	MIN	323	AC-FT	1125000		
WTR YR 1975	TOTAL	562021	MEAN	1540	MAX	4080	MIN	323	AC-FT	1115000		

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LOCATION.--Lat 41°52'10", long 111°45'30", in SE&NE¼ sec.18, T.13 N., R.2 E., Cache County, on left bank 300 ft (91 m) downstream from forest boundary, 3.2 mi (5.1 km) upstream from Birch Creek, and 4.5 mi (7.2 km) northeast of Smithfield.

PERIOD OF RECORD.--October 1961 to current year.

AVERAGE DISCHARGE.--14 years, 20.4 ft³/s (0.578 m³/s) 14,780 acre-ft/yr (18.2 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 222 ft³/s (6.29 m³/s) May 16 (gage height, 2.48 ft or 0.756 m); minimum, 2.7 ft³/s (0.08 m³/s) Feb. 22.
Period of record: Maximum discharge, 302 ft³/s (8.55 m³/s) May 23, 1967 (gage height, 3.05 ft or 0.930 m); minimum, 2.1 ft³/s (0.059 m³/s) Feb. 26, 1964.

REMARKS.--Records good.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	6.6	5.5	4.4	4.8	5.1	7.3	14	116	92	21	12
2	6.7	6.3	5.2	4.9	4.7	5.8	7.2	14	135	95	20	12
3	6.9	6.3	5.2	4.7	4.7	6.8	7.1	16	145	103	20	11
4	7.1	6.1	5.2	4.8	4.7	7.1	7.2	24	140	104	19	11
5	7.0	6.0	5.5	4.7	4.6	7.1	7.4	24	134	107	19	11
6	6.8	6.0	5.2	4.8	4.5	7.7	7.7	22	176	98	18	11
7	6.8	6.0	5.4	4.7	4.5	7.9	7.9	20	203	93	18	11
8	6.8	5.8	5.2	4.8	4.5	8.1	7.9	18	187	85	18	10
9	6.9	5.7	4.7	4.7	4.7	8.2	7.5	19	150	81	17	10
10	6.8	5.7	5.1	4.7	4.7	8.2	7.3	23	114	69	18	10
11	6.7	5.7	5.0	4.5	4.5	7.8	7.4	35	101	59	17	10
12	6.6	5.7	5.0	3.9	4.5	7.6	7.8	46	110	54	17	9.9
13	6.6	5.6	5.3	4.8	4.9	7.6	9.0	40	144	48	17	9.8
14	6.5	5.7	5.2	4.5	5.0	7.5	10	52	175	44	17	9.7
15	6.5	5.5	5.2	4.6	5.0	7.3	10	94	185	41	17	9.6
16	6.5	5.5	5.2	4.5	5.0	7.8	11	141	183	38	16	9.5
17	6.5	5.5	5.2	4.5	4.9	7.5	11	179	133	34	16	9.2
18	6.4	5.8	5.0	4.7	4.9	7.3	11	159	118	32	15	9.1
19	6.3	5.5	5.0	4.6	5.0	7.5	10	130	90	30	15	9.1
20	6.4	5.5	5.3	4.7	5.1	8.1	10	94	74	29	15	8.9
21	6.8	5.7	5.3	4.7	4.5	8.2	11	63	70	28	15	8.9
22	6.5	6.2	5.2	4.3	3.8	8.5	13	44	72	27	15	8.5
23	6.6	5.8	4.7	4.9	4.9	8.3	16	36	81	26	14	8.4
24	6.5	5.7	4.1	4.9	4.7	7.9	16	36	97	25	14	8.4
25	6.3	5.7	5.2	5.5	4.6	8.7	19	42	107	24	14	8.2
26	6.3	5.7	5.0	5.3	4.6	9.3	19	41	82	23	13	8.2
27	6.3	5.7	5.0	5.1	4.7	9.0	18	44	74	23	13	8.1
28	6.3	5.5	5.0	5.1	4.9	8.4	16	50	77	23	13	8.0
29	6.4	5.5	4.9	4.1	---	7.9	15	57	83	23	12	7.9
30	6.9	5.5	4.6	4.4	---	7.7	15	78	90	23	12	7.9
31	7.0	---	4.8	5.1	---	7.6	---	104	---	22	12	---
TOTAL	205.5	173.5	157.4	145.9	131.9	239.5	329.7	1759	3646	1603	497	286.3
MEAN	6.63	5.78	5.08	4.71	4.71	7.73	11.0	56.7	122	51.7	16.0	9.54
MAX	7.1	6.6	5.5	5.5	5.1	9.3	19	179	203	107	21	12
MIN	6.3	5.5	4.1	3.9	3.8	5.1	7.1	14	70	22	12	7.9
AC-FT	408	344	312	289	262	475	654	3490	7230	3180	986	568
CAL YR 1974	TOTAL	8541.1	MEAN	23.4	MAX	163	MIN	4.1	AC-FT	16940		
WTR YR 1975	TOTAL	9174.7	MEAN	25.1	MAX	203	MIN	3.8	AC-FT	18200		

BEAR RIVER BASIN

10104700 Little Bear River below Davenport Creek, near Avon, Utah

LOCATION.--Lat 41°30'45", long 111°48'40", in SW¼SW¼ sec.14, T.9 N., R.1 E., Cache County, on right bank 0.6 mi (1.0 km) downstream from Davenport Creek and 1.5 mi (2.4 km) south of Avon.

DRAINAGE AREA.--61.6 mi² (159.5 km²).

PERIOD OF RECORD.--October 1960 to current year. Published as 10105700 South Fork Little Bear River near Avon, 1960-62.

GAGE.--Water-stage recorder. Altitude of gage is 5,020 ft (1,530 m) from topographic map.

AVERAGE DISCHARGE.--15 years, 57.6 ft³/s (1.63 m³/s) 41,750 acre ft/yr (51.5 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 456 ft³/s (12.9 m³/s) May 15 (gage height, 2.13 ft or 0.649 m); minimum, 12 ft³/s (0.34 m³/s) Feb. 22.

Period of record: Maximum discharge, 976 ft³/s (27.6 m³/s) Jan. 21, 1969 (gage height, 3.47 or 1.058 m); minimum, 6.3 ft³/s (0.18 m³/s) Feb. 3, 1964.

REMARKS.--Records good. A few small diversions for irrigation above the station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	33	28	23	27	28	33	90	250	116	45	34
2	28	32	28	26	26	33	31	128	262	110	45	36
3	29	30	28	25	26	35	33	212	266	105	44	39
4	30	29	30	26	26	34	34	235	270	100	43	38
5	29	29	31	26	26	35	51	117	255	95	42	38
6	29	29	29	26	24	67	50	87	278	89	42	37
7	28	29	29	26	25	56	41	94	308	85	42	37
8	28	29	26	27	26	66	37	116	329	83	41	37
9	30	29	22	26	27	60	35	125	278	81	42	38
10	30	28	24	26	27	52	35	200	228	79	41	39
11	30	28	27	25	26	44	42	288	208	78	40	39
12	29	29	30	22	26	39	50	246	213	75	39	38
13	29	29	27	27	27	37	63	242	226	72	39	38
14	29	29	27	26	27	36	70	284	246	69	40	38
15	29	30	28	26	27	35	79	323	248	66	40	38
16	29	29	28	26	26	35	103	350	234	65	39	37
17	29	29	28	26	25	33	73	329	225	64	38	37
18	29	33	27	26	25	38	76	314	233	62	38	37
19	29	31	27	26	25	77	65	307	194	60	38	37
20	29	30	27	26	26	71	68	316	175	59	39	37
21	34	30	28	25	22	52	85	272	205	56	38	37
22	31	35	26	22	19	47	125	225	193	55	37	36
23	32	31	22	27	25	41	142	195	191	53	35	35
24	33	30	18	27	24	38	147	187	188	51	35	35
25	30	30	25	34	24	121	168	199	173	51	35	35
26	30	30	26	33	24	74	126	193	140	49	35	34
27	29	29	26	28	25	46	97	196	131	47	34	34
28	29	29	28	26	26	38	83	194	128	46	35	34
29	30	27	27	21	---	36	78	208	126	47	35	34
30	33	27	23	23	---	35	74	224	122	47	35	34
31	33	---	26	27	---	34	---	240	---	50	34	---
TOTAL	924	892	826	806	709	1473	2194	6736	6523	2165	1205	1097
MEAN	29.8	29.7	26.6	26.0	25.3	47.5	73.1	217	217	69.8	38.9	36.6
MAX	34	35	31	34	27	121	168	350	329	116	45	39
MIN	28	27	18	21	19	28	31	87	122	46	34	34
AC-FT	1830	1770	1640	1600	1410	2920	4350	13360	12940	4290	2390	2180
CAL YR 1974	TOTAL	26796	MEAN 73.4	MAX 336	MIN 18	AC-FT 53150						
WTR YR 1975	TOTAL	25550	MEAN 70.0	MAX 350	MIN 18	AC-FT 50680						

BEAR RIVER BASIN

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10104900 East Fork Little Bear River above reservoir, near Avon, Utah

LOCATION.--Lat 41°31'06", long 111°42'49", in NW¼ sec.15, T.9 N., R.2 E., Cache County, on right bank 1.2 mi (1.9 km) above Porcupine Creek, 1.7 mi (2.7 km) above Porcupine Dam, 5.2 mi (8.4 km) east of Avon, and 7.2 mi (11.6 km) southeast of Paradise.

DRAINAGE AREA.--56.7 mi² (146.8 km²).

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 5,398 ft (1.645.3 m) from topographic map.

AVERAGE DISCHARGE.--12 years, 38.2 ft³/s (1.08 m³/s) 27,650 acre-ft/yr (34.1 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 760 ft³/s (21.5 m³/s) May 15 (gage height, 3.66 ft or 1.116 m); minimum, 3.3 ft³/s (0.093 m³/s) Feb. 22.
Period of record: Maximum discharge, 760 ft³/s (21.5 m³/s) May 15, 1975 (gage height, 3.66 ft or 1.116 m); minimum, 2.2 ft³/s (0.062 m³/s) Feb. 26, 1964.

REMARKS.--Records excellent. No diversions above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	10	6.7	7.2	7.2	7.5	13	45	227	40	16	11
2	8.4	9.5	6.8	7.2	7.2	8.9	12	64	217	38	16	11
3	8.5	8.9	6.9	7.2	7.2	11	12	126	208	37	16	11
4	8.6	8.6	7.2	7.2	7.5	12	12	209	200	35	15	11
5	8.4	8.4	7.5	7.2	7.4	13	13	160	193	34	15	11
6	8.4	8.4	7.3	7.2	7.0	14	16	113	184	34	14	11
7	8.4	8.1	7.5	7.2	7.2	14	16	87	183	33	14	11
8	8.3	8.1	7.1	7.2	7.3	15	16	73	182	32	14	11
9	8.4	8.1	6.8	7.2	7.4	16	16	91	152	31	14	10
10	8.4	8.1	7.2	7.2	7.6	16	15	194	135	31	13	11
11	8.4	7.9	7.2	7.2	7.0	16	16	309	119	30	13	11
12	8.1	7.8	7.2	7.2	6.9	15	18	295	106	30	14	11
13	8.1	7.8	7.2	7.2	7.2	15	23	346	98	29	14	11
14	8.2	7.8	7.2	7.2	7.3	14	29	435	95	28	14	11
15	8.2	7.8	7.2	7.2	7.2	13	31	515	92	27	13	11
16	8.1	7.8	7.2	7.2	7.1	13	32	532	86	26	13	10
17	8.1	7.7	7.2	7.2	7.1	12	32	524	82	26	13	10
18	8.1	8.6	7.2	7.2	7.0	12	29	500	85	25	13	10
19	8.1	8.1	7.2	7.2	7.0	14	28	473	74	24	13	9.9
20	8.1	7.7	7.2	7.2	7.2	18	30	337	67	23	13	10
21	9.3	7.7	7.2	7.2	6.8	20	37	250	81	23	13	9.9
22	8.9	8.5	7.2	7.2	5.8	20	55	208	71	22	13	10
23	9.2	8.0	7.2	7.2	7.2	18	75	188	64	21	13	9.8
24	8.9	7.7	7.2	7.2	6.9	17	73	236	59	20	13	9.8
25	8.4	7.7	7.2	7.2	6.9	18	91	233	56	19	12	9.8
26	8.4	7.6	7.2	7.2	6.9	17	76	211	53	19	12	9.7
27	8.4	7.3	7.2	7.2	6.9	16	68	204	50	17	12	9.7
28	8.4	7.3	7.2	7.2	7.1	14	56	203	47	16	12	9.7
29	8.4	6.7	7.2	7.2	---	14	48	210	44	17	12	9.5
30	9.4	6.6	7.2	7.2	---	14	42	218	42	17	11	9.5
31	11	---	7.2	7.2	---	13	---	229	---	17	11	---
TOTAL	264.3	240.3	222.2	223.2	198.5	450.4	1030	7818	3352	821	414	311.3
MEAN	8.53	8.01	7.17	7.20	7.09	14.5	34.3	252	112	26.5	13.4	10.4
MAX	11	10	7.5	7.2	7.6	20	91	532	227	40	16	11
MIN	8.1	6.6	6.7	7.2	5.8	7.5	12	45	42	16	11	9.5
AC-FT	524	477	441	443	394	893	2040	15510	6650	1630	821	617
CAL YR 1974	TOTAL	15709.2	MEAN	43.0	MAX	430	MIN	6.0	AC-FT	31160		
WTR YR 1975	TOTAL	15345.2	MEAN	42.0	MAX	532	MIN	5.8	AC-FT	30440		

BEAR RIVER BASIN

10106000 Little Bear River near Paradise, Utah

LOCATION.--Lat 41°35'25", long 111°51'10", in SE¼ sec.20, T.10 N., R.1 E., Cache County, on right bank 1 mi (1.6 km) upstream from backwater of Hyrum Reservoir, 2 mi (3 km) northwest of Paradise, and 5 mi (8 km) downstream from East Fork.

DRAINAGE AREA.--198 mi² (513 km²).

PERIOD OF RECORD.--January 1937 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 4,680 ft (1,426.5 m) from topographic map. Prior to Nov. 28, 1945, at site 150 ft (46 m) upstream at different datum. Nov. 28, 1945 to May 19, 1952 at present site at datum 1.50 ft (0.46 m) higher.

AVERAGE DISCHARGE.--38 years, 91.1 ft³/s (2.58 m³/s) 65,980 acre-ft/yr (81.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 958 ft³/s (27.1 m³/s) May 19 (gage height, 6.92 ft or 2.109 m); minimum daily discharge, 46 ft³/s (1.30 m³/s) Dec. 9, 10.

Period of record: Maximum discharge, 2,000 ft³/s (56.6 m³/s) Feb. 11, 1962 (gage height, 6.52 ft or 1.987 m); from rating curve extended above 600 ft³/s (17.0 m³/s); minimum, 4 ft³/s (0.11 m³/s) Aug. 14, 1940.

REMARKS.--Records good. Diversions above station for irrigation of about 10,000 acres (40.5 km²), most of which is below station. Flow regulated slightly by trout farm about 2 mi (3 km) upstream and by Porcupine Reservoir, capacity, 12,800 acre-ft (15.8 hm³), completed 1962. No diversion between station and Hyrum Reservoir.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	57	51	49	53	55	64	178	481	89	62	61
2	55	55	51	55	53	62	62	205	481	74	62	55
3	54	52	51	49	52	68	62	255	477	66	61	59
4	66	51	51	50	52	68	68	337	465	64	57	59
5	69	51	54	50	52	70	91	278	438	62	50	59
6	69	51	54	52	50	120	104	249	438	55	52	61
7	67	51	54	52	50	120	87	258	449	55	53	64
8	64	51	49	55	52	115	77	293	481	55	55	62
9	67	51	46	52	55	122	72	305	390	55	57	59
10	64	49	46	52	62	104	72	330	334	52	59	68
11	60	49	51	52	59	92	79	376	293	50	61	76
12	57	49	54	50	59	81	91	419	275	46	61	79
13	57	49	55	50	61	76	111	390	269	53	62	77
14	57	49	54	50	66	76	124	426	278	55	66	76
15	55	49	52	50	64	70	128	477	278	53	64	76
16	55	51	52	50	61	72	160	679	269	50	64	76
17	54	51	52	50	57	68	135	840	246	53	62	70
18	55	54	51	50	57	72	135	865	269	52	62	68
19	55	55	54	52	55	113	135	870	221	52	64	72
20	54	57	54	52	57	122	133	796	195	55	64	72
21	62	57	54	52	52	98	137	617	232	55	62	77
22	60	62	55	46	53	94	175	521	221	57	61	79
23	59	59	49	50	55	85	192	453	211	55	57	76
24	60	57	49	52	53	79	192	438	205	52	55	62
25	60	57	48	61	52	170	218	505	198	53	57	57
26	59	52	49	64	50	139	180	473	188	53	55	55
27	57	49	48	59	52	87	156	465	165	55	55	55
28	55	49	51	55	53	70	139	457	148	55	57	55
29	57	47	49	55	---	66	146	481	131	57	57	53
30	59	49	49	53	---	64	166	501	104	61	61	53
31	62	---	49	53	---	62	---	513	---	74	64	---
TOTAL	1843	1570	1586	1622	1547	2760	3691	14250	8830	1773	1839	1971
MEAN	59.5	52.3	51.2	52.3	55.3	89.0	123	460	294	57.2	59.3	65.7
MAX	69	62	55	64	66	170	218	870	481	89	66	79
MIN	54	47	46	46	50	55	62	178	104	46	50	53
AC-FT	3660	3110	3150	3220	3070	5470	7320	28260	17510	3520	3650	3910
CAL YR 1974	TOTAL	45676	MEAN 125	MAX 730	MIN 42	AC-FT 90600						
WTR YR 1975	TOTAL	43282	MEAN 119	MAX 870	MIN 46	AC-FT 85850						

BEAR RIVER BASIN

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10107000 Hyrum Reservoir near Hyrum, Utah

LOCATION.--Lat 41°37'30", long 111°52'30", in SE¼NE¼ sec.7, T.10 N., R.1 E., Cache County, at Hyrum Dam on Little Bear River, 1 mi (1.6 km) southwest of Hyrum.

DRAINAGE AREA.--217 mi² (562 km²).

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Mercury indicating gage. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum contents observed, 15,950 acre-ft (19.7 hm³) June 23-25, elevation, 4,673.4 ft (1,424.45 m); minimum observed, 6,230 acre-feet (7.68 hm³) Oct. 1.
Period of record: Maximum contents observed, 16,290 acre-ft (20.1 hm³) May 20, 1967, elevation, 4,674.1 ft (1,424.67 m); no contents Oct. 16 to about Dec. 12, 1957, when reservoir was drained for inspection.

REMARKS.--Reservoir is formed by earthfill dam; storage began in 1935. Usable capacity, 15,280 acre-ft (18.8 hm³) between elevations 4,629.6 ft (1,411.10 m), sill of outlet canal, and 4,672 ft (1,424.03 m), top of spillway gates. Dead storage below sill of outlet canal, 3,405 acre-ft (4.20 hm³). Elevation of spillway crest, 4,660 ft (1,420.37 m). Water used for irrigation on Hyrum project. Figures given herein represent usable contents; those published in annual reports prior to 1946 represent total contents.

COOPERATION.--Capacity table furnished by Bureau of Reclamation. Elevations May to September furnished by superintendent of Hyrum Dam.

Capacity table (elevation, in feet, and usable contents, in acre-feet)

4,632	490	4,655	7,780
4,635	1,200	4,660	9,840
4,640	2,570	4,665	12,030
4,645	4,130	4,670	14,340
4,650	5,860	4,674	16,240

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6230	9160	---	---	---	---	10310	10520	11310	15660	11310	8980
2	---	---	10220	10220	---	---	---	---	11630	15520	11270	8910
3	---	---	---	---	10220	10220	---	---	11720	15420	11270	8830
4	---	---	---	---	---	---	---	---	11760	15280	11270	8790
5	---	---	---	---	---	---	---	---	11760	15090	11270	8790
6	---	---	---	---	---	---	---	---	12120	14950	11270	8790
7	---	---	---	---	---	---	---	---	12670	14810	11270	8790
8	---	---	---	---	---	---	---	---	13310	14620	11270	8790
9	---	---	---	---	---	---	---	---	13920	14430	11270	8750
10	---	---	---	---	---	---	---	---	14150	14200	11220	8710
11	---	---	---	---	---	---	---	---	14480	14010	11140	8670
12	---	---	---	---	---	---	---	10920	14950	13820	11050	8670
13	---	---	---	---	---	---	---	10920	15330	13640	10960	8670
14	---	---	---	---	---	---	---	10960	15660	13400	10870	8670
15	---	---	---	---	---	---	---	11000	15810	13220	10790	8670
16	---	---	---	---	---	---	---	11050	15900	13030	10700	8710
17	---	---	---	---	---	---	---	11180	15900	12850	10570	8710
18	---	---	---	---	---	---	---	11400	15900	12670	10440	8710
19	---	---	---	---	---	---	---	11450	15900	12530	10260	8750
20	---	---	---	---	---	---	---	11450	15900	12350	10140	8790
21	---	---	---	---	---	---	---	11310	15900	12210	10010	8850
22	---	---	---	---	---	---	---	11180	15900	12080	9920	8910
23	---	---	---	---	---	---	---	11050	15950	11940	9840	8950
24	---	---	---	---	---	---	---	10960	15950	11810	9710	9000
25	---	---	---	---	---	---	---	10960	15950	11720	9580	9040
26	---	---	---	---	---	---	---	10960	15900	11630	9460	9080
27	---	---	---	---	---	---	---	10960	15900	11490	9380	9080
28	---	---	---	---	10220	---	---	10960	15860	11400	9290	9080
29	---	---	---	---	---	---	---	10960	15810	11360	9200	9080
30	---	10220	---	---	---	---	10520	10960	15710	11360	9120	9080
31	9160	---	10220	10220	---	10310	---	10960	---	11310	9040	---
MAX									15950	15660	11310	9080
MIN									11310	11310	9040	8670
(+)	4658.4	4660.9	4660.9	4660.9	4660.9	4661.1	4661.1	4662.5	4672.9	4663.4	4658.1	4658.2
(#)	+2970	+1060	0	0	0	+90	0	+440	+4760	-4400	-2270	+40
CAL YR 1974.....#				-300								
WTR YR 1975.....#				+2890								

+ Elevation, in feet, at end of month.

Change in contents, in acre-feet.

BEAR RIVER BASIN

10108400 Logan, Hyde Park & Smithfield Canal at head, near Logan, Utah

LOCATION.--Lat 41°44'35", long 111°45'40", in NE¼NE¼ sec.31, T.12 N., R.2 E., Cache County, Cache National Forest, on left bank 487 ft (148 m) downstream from head and 3.8 mi (6.1 km) east of Logan.

PERIOD OF RECORD.--May 1963 to current year.

GAGE.--Water-stage recorder and 8-ft (2.448 m) concrete Parshall flume. Datum of gage is 4,857.66 ft (1,480.615 m) above mean sea level (Bureau of Public Roads bench mark).

AVERAGE DISCHARGE.--12 years, 26.0 ft³/s (0.736 m³/s) 18,820 acre-ft/yr (23.2 hm³/yr).

EXTREMES.--Period of record: Maximum daily discharge, 111 ft³/s (3.14 m³/s) May 23, 1963, May 28, 1966; no flow at times most years.

REMARKS.--Records excellent.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	9.5	9.2	9.2	8.3	1.8	1.0	.20	29	68	80	85
2	20	9.5	9.2	8.8	8.3	1.8	1.0	.20	29	68	80	84
3	20	9.5	9.2	9.1	8.5	1.9	.90	.20	26	68	79	84
4	20	9.5	9.2	11	8.4	1.8	.60	.20	22	82	79	84
5	12	9.5	9.2	9.5	8.3	1.8	.50	.20	56	89	79	84
6	5.8	9.4	9.2	9.2	8.3	1.8	.50	.30	60	89	79	84
7	5.5	9.2	9.2	8.9	8.5	1.8	.30	.20	58	88	74	83
8	6.5	9.2	9.2	8.8	8.6	1.6	.30	.30	57	88	64	83
9	9.4	9.3	9.2	8.6	8.6	1.6	.30	.30	56	97	64	83
10	9.2	9.3	9.2	8.6	8.6	1.6	.30	.30	54	100	68	81
11	9.2	9.2	9.2	8.6	8.6	1.6	.30	.30	73	99	78	66
12	9.0	9.2	9.2	8.6	8.6	1.6	.30	.20	80	98	78	66
13	10	9.2	9.2	8.8	4.4	1.6	.40	.20	84	92	78	66
14	13	9.2	9.2	8.9	2.2	1.6	.40	.30	87	86	77	66
15	12	9.2	9.2	8.9	2.1	1.6	.40	.30	88	85	77	66
16	12	9.2	9.2	8.8	2.1	1.6	.40	.20	87	84	77	66
17	12	9.2	9.2	8.7	2.1	1.6	.20	9.8	72	82	77	66
18	12	9.2	9.2	8.8	2.1	1.4	.20	23	60	81	77	66
19	12	9.2	9.2	8.8	2.0	1.4	.20	24	56	80	85	65
20	11	9.2	9.2	8.9	2.0	1.4	.30	18	55	80	83	66
21	11	9.2	9.2	8.9	2.0	1.4	.30	18	54	94	86	66
22	9.9	9.2	9.2	8.7	2.0	1.3	.30	17	54	96	86	52
23	10	9.2	9.2	8.7	2.3	1.3	.30	17	55	96	86	42
24	11	9.2	9.2	8.7	2.7	1.3	.30	17	55	95	86	42
25	10	9.2	9.2	8.9	3.1	1.3	.30	17	56	94	85	42
26	10	9.2	9.2	8.9	2.8	1.1	.20	17	55	94	85	42
27	10	9.2	8.9	8.8	1.8	1.1	.10	17	55	93	85	42
28	10	9.2	8.9	8.7	1.8	1.0	.10	28	55	94	85	37
29	10	9.2	8.9	8.6	---	1.0	.10	28	62	94	85	32
30	9.8	9.2	8.9	8.6	---	1.0	.20	28	68	94	85	32
31	9.5	---	9.2	8.4	---	1.0	---	28	---	84	85	---
TOTAL	356.8	277.9	284.0	275.4	139.1	45.7	11.00	310.70	1758	2732	2472	1923
MEAN	11.5	9.26	9.16	8.88	4.97	1.47	.37	10.0	58.6	88.1	79.7	64.1
MAX	25	9.5	9.2	11	8.6	1.9	1.0	28	88	100	86	85
MIN	5.5	9.2	8.9	8.4	1.8	1.0	.10	.20	22	68	64	32
AC-FT	708	551	563	546	276	91	22	616	3490	5420	4900	3810
CAL YR 1974	TOTAL	12377.70	MEAN	33.9	MAX	108	MIN	0	AC-FT	24550		
WTR YR 1975	TOTAL	10585.60	MEAN	29.0	MAX	100	MIN	.10	AC-FT	21000		

10109000 Logan River above State dam, near Logan, Utah

LOCATION.--Lat 41°44'40", long 111°47'00", in NE¼ sec.36, T.12 N., R.1 E., Cache County, on right bank at Logan plant of Utah Power & Light Co. (abandoned), 0.5 mi (0.8 km) upstream from State dam, and 2.5 mi (4.0 km) east of Logan.

DRAINAGE AREA.--214 mi² (554 km²).

PERIOD OF RECORD.--June 1896 to current year. Published as Logan River near Logan prior to 1913. Records since May 1913 equivalent to earlier records if records for Utah Power & Light Co.'s tailrace near Logan are added. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 4,680 ft (1,426 m) from topographic map. Prior to May 7, 1913, nonrecording gage at various sites within 0.5 mi (0.8 km) downstream, below confluence of tailrace, at different datums. May 7 to Sept. 30, 1913, water-stage recorder at present site at different datums and Oct. 1, 1913 to Sept. 3, 1938, at datum about 2.3 ft (0.70 m) lower than present datum.

AVERAGE DISCHARGE.--62 years (1913-75), 120 ft³/s (3.40 m³/s) 87,060 acre-ft/yr (107 hm³/yr). Average combined discharge of Logan River above State dam and Logan, Hyde Park & Smithfield Canal, 79 years (1896-1975), 275 ft³/s (7.788 m³/s) 199,200 acre-ft/yr (246 hm³/yr). See REMARKS.

EXTREMES (River only).--Current year; Maximum discharge, 1,260 ft³/s (35.7 m³/s) June 16 (gage height, 5.36 ft or 1.634 m); minimum daily, 88 ft³/s (2.49 m³/s) Feb. 22. Period of record: Maximum discharge, 2,000 ft³/s (56.6 m³/s) Mar. 21, 1916, gage height, 5.6 ft or 1.71 m, datum then in use, from rating curve extended above 1,000 ft³/s (28.3 m³/s); minimum daily, 6 ft³/s (0.17 m³/s) Nov. 7, 1940.

(Combined flow, Logan River above State dam and Logan, Hyde Park & Smithfield Canal).--Current year: Maximum discharge, 1,350 ft³/s (38.2 m³/s) June 16; minimum daily, 90 ft³/s (2.55 m³/s) Feb. 22.

Period of record: Maximum observed discharge, 2,480 ft³/s (70.2 m³/s) May 24, 1907; minimum daily, 50 ft³/s (1.42 m³/s) Jan. 21, 1935.

REMARKS.--Records good. Water diverted from river and springs above station for power, irrigation, and municipal supply. Flow regulated by Logan City powerplant above station. For records of combined flow of Logan River and Logan, Hyde Park & Smithfield Canal, see following page. Combined flow record excludes that in Logan City culinary pipe lines. During 1963 site of gaging station for Logan, Hyde Park & Smithfield Canal was changed; records of combined flow since that time are equivalent to previous records. Utah Power and Light Co. stopped diverting water from river November 1970 at which time the tailrace station was discontinued.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	163	152	120	96	104	104	109	147	802	890	332	177
2	167	143	120	102	102	104	112	163	855	890	318	177
3	167	143	120	102	102	105	111	210	890	910	308	172
4	167	141	121	102	101	105	112	278	935	915	298	172
5	172	139	121	102	102	105	112	244	920	920	291	167
6	174	139	120	104	97	112	114	227	984	905	281	165
7	174	137	120	104	102	116	116	215	1120	890	278	165
8	172	137	118	104	99	111	111	199	1120	875	281	163
9	169	137	111	104	102	112	114	207	1060	855	275	160
10	165	135	112	104	104	112	109	269	920	826	269	163
11	163	133	112	104	101	111	111	361	826	797	259	172
12	163	133	116	105	97	109	109	407	841	778	253	169
13	158	133	120	105	104	107	112	368	930	735	256	169
14	154	133	114	105	105	107	118	473	1060	697	244	165
15	147	133	114	105	104	105	120	580	1140	665	244	165
16	154	133	116	107	104	105	125	678	1180	642	238	163
17	154	133	116	105	101	107	127	730	1120	611	230	160
18	160	137	111	105	99	104	127	778	1100	567	227	158
19	158	135	114	105	101	107	123	792	950	541	215	156
20	154	129	114	104	104	115	121	740	855	524	213	154
21	152	131	118	104	97	121	127	606	802	486	210	152
22	145	131	114	97	88	121	139	511	797	461	202	163
23	143	131	105	102	96	116	165	465	831	448	204	167
24	143	129	101	107	97	114	169	444	870	427	196	165
25	141	129	109	118	101	111	181	511	920	407	194	165
26	141	127	109	112	101	102	181	494	870	387	194	165
27	141	127	102	104	101	105	179	511	841	372	191	163
28	143	125	105	104	102	109	167	541	855	364	189	165
29	145	123	107	96	---	102	154	554	860	357	184	169
30	156	120	97	94	---	112	147	628	870	346	184	167
31	158	---	101	102	---	112	---	725	---	342	179	---
TOTAL	4863	4008	3498	3214	2818	3388	3922	14056	28124	19830	7437	4953
MEAN	157	134	113	104	101	109	131	453	937	640	240	165
MAX	174	152	121	118	105	121	181	792	1180	920	332	177
MIN	141	120	97	94	88	102	109	147	797	342	179	152
AC-FT	9650	7950	6940	6370	5590	6720	7780	27880	55780	39330	14750	9820

CAL YR 1974 TOTAL 103431 MEAN 283 MAX 1230 MIN 78 AC-FT 205200
WTR YR 1975 TOTAL 109111 MEAN 274 MAX 1180 MIN 88 AC-FT 198600

BEAR RIVER BASIN

10109000 Logan River above State dam, near Logan, Utah--Continued

COMBINED DISCHARGE, IN CUBIC FEET PER SECOND, OF LOGAN RIVER ABOVE STATE DAM
AND LOGAN, HYDE PARK & SMITHFIELD CANAL AT HEAD, NEAR LOGAN, UTAH,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188	162	129	105	112	106	110	147	831	958	412	262
2	187	152	129	111	110	106	113	163	884	958	398	261
3	187	152	129	111	110	107	111	210	916	978	387	256
4	187	150	130	113	109	107	112	278	957	997	377	256
5	184	148	130	112	110	107	112	244	976	1010	370	251
6	180	148	129	113	105	114	114	227	1040	994	360	244
7	180	146	129	113	110	118	116	215	1180	978	352	248
8	178	146	127	113	108	113	111	199	1180	963	345	246
9	178	146	120	113	111	114	114	207	1120	952	339	243
10	174	144	121	113	113	114	109	269	974	926	337	244
11	172	142	121	113	110	113	111	361	899	896	337	238
12	172	142	125	114	106	111	109	407	921	876	331	235
13	168	142	129	114	108	109	112	368	1010	827	334	235
14	167	142	123	114	107	109	118	473	1150	783	321	231
15	159	142	123	114	106	107	120	580	1230	750	321	231
16	166	142	125	116	106	107	125	678	1270	726	315	229
17	166	142	125	114	103	109	127	740	1190	693	307	226
18	172	146	120	114	101	105	127	801	1160	648	304	224
19	170	144	123	114	103	108	123	816	1010	621	300	221
20	165	138	123	113	106	116	121	758	910	604	296	220
21	163	140	127	113	99	122	127	624	856	580	296	218
22	155	140	123	106	90	122	139	528	851	557	288	215
23	153	140	114	111	98	117	165	482	886	544	290	209
24	154	138	110	116	100	115	169	461	925	522	282	207
25	151	138	118	127	104	112	181	528	976	501	279	207
26	151	136	118	121	104	103	181	511	925	481	279	207
27	151	136	111	113	103	106	179	528	896	465	276	205
28	153	134	114	113	104	110	167	569	910	458	274	202
29	155	132	116	105	---	103	154	582	922	451	269	201
30	166	129	106	103	---	113	147	656	938	440	269	199
31	168	---	110	110	---	113	---	753	---	426	264	---
TOTAL	5220	4279	3777	3495	2956	3436	3924	14363	29893	22563	9909	6876
MEAN	168	143	122	113	106	111	131	463	996	728	320	229
MAX	188	162	130	127	113	122	181	816	1270	1010	412	262
MIN	151	129	106	103	90	103	109	147	831	426	264	199
AC-FT	10350	8490	7490	6930	5860	6820	7780	28490	59290	44750	19650	13640
CAL YR 1974	TOTAL	115816	MEAN	317	MAX	1260	MIN	84	AC-FT	229700		
WTR YR 1975	TOTAL	110691	MEAN	303	MAX	1270	MIN	90	AC-FT	219600		

BEAR RIVER BASIN

195

10113500 Blacksmith Fork above Utah Power & Light Co.'s dam, near Hyrum, Utah

LOCATION.--Lat 41°37'18", long 111°44'42", in NE¼ sec.8, T.10 N., R.2 E., Cache County, on right bank 0.8 mi (1.3 km) upstream from diversion dam, 3.2 mi (5.1 km) upstream from powerplant of Utah Power & Light Co., and 6 mi (9.7 km) east of Hyrum.

DRAINAGE AREA.--268 mi² (694 km²).

PERIOD OF RECORD.--October 1913 to current year. Monthly discharge only for October 1913, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 5,000.60 ft (1,524.183 m) above mean sea level, unadjusted. Prior to Oct. 2, 1934, at site 1,000 ft (305 m) upstream at different datum.

AVERAGE DISCHARGE.--62 years, 129 ft³/s (3.65 m³/s) 93,460-acre-ft/yr (115 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 796 ft³/s (22.5 m³/s) May 18 (gage height, 4.93 ft or 1.503 m); minimum daily, 80 ft³/s (2.27 m³/s) Feb. 22.
Period of record: Maximum discharge, 1,620 ft³/s (45.9 m³/s) May 15, 1917, gage height, 6.5 ft or 1.98 m, from flood marks, site and datum then in use, from rating curve extended above 800 ft³/s (22.7 m³/s); minimum daily, 29 ft³/s (0.82 m³/s) Jan. 3, 1935.

REMARKS.--Records good. A few small diversions for irrigation of about 200 acres (809,000 m²) above station. Flow is slightly regulated by powerplant above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	119	105	92	90	82	105	164	417	199	166	126
2	124	117	105	105	88	82	103	188	420	197	164	124
3	124	115	105	98	88	88	98	231	420	195	161	124
4	124	113	105	103	88	90	105	295	408	195	159	124
5	122	113	105	103	86	92	107	272	391	192	159	124
6	122	113	105	103	84	103	119	244	394	190	159	124
7	122	113	107	100	86	111	113	244	400	188	157	124
8	122	113	105	105	86	113	107	241	397	186	155	124
9	124	113	100	103	84	119	107	241	372	186	155	122
10	122	111	100	98	88	117	109	290	344	183	155	124
11	122	111	100	98	84	113	117	414	319	181	153	124
12	122	111	103	90	82	111	119	501	306	181	153	124
13	117	109	109	98	84	107	134	420	301	181	155	122
14	117	109	105	98	86	105	142	527	298	176	153	124
15	117	109	105	94	84	103	136	592	293	176	151	124
16	117	111	107	96	82	103	155	673	285	174	151	124
17	117	111	107	94	84	100	149	701	280	174	149	124
18	117	117	105	94	82	98	136	710	295	172	149	122
19	117	115	105	92	82	105	132	673	275	170	149	122
20	117	111	107	92	86	128	142	610	259	170	149	124
21	119	111	109	92	84	126	166	478	256	168	147	124
22	117	111	105	88	80	126	190	417	246	168	142	124
23	117	109	96	92	82	122	214	374	238	168	138	124
24	117	109	90	94	82	113	202	374	231	166	134	124
25	113	107	100	100	82	117	226	422	228	164	132	124
26	113	109	103	100	82	128	204	394	224	164	130	124
27	113	107	100	92	82	117	195	394	219	164	130	124
28	113	107	103	94	82	111	176	388	214	161	128	124
29	113	100	105	86	---	107	166	386	209	161	128	122
30	117	105	96	90	---	111	159	397	204	164	126	122
31	122	---	100	92	---	109	---	420	---	166	126	---
TOTAL	3684	3329	3202	2976	2360	3357	4333	12675	9143	5480	4563	3710
MEAN	119	111	103	96.0	84.3	108	144	409	305	177	147	124
MAX	124	119	109	105	90	128	226	710	420	199	166	126
MIN	113	100	90	86	80	82	98	164	204	161	126	122
AC-FT	7310	6600	6350	5900	4680	6660	8590	25140	18140	10870	9050	7360
CAL YR 1974 TOTAL	65156											
WTR YR 1975 TOTAL	58812											
MEAN 179												
MAX 704												
MIN 68												
AC-FT 129200												
MIN 80												
AC-FT 116700												

PEAK DISCHARGE (BASE, 140 cfs).--April 25 (0200) 259 cfs (3.22 ft), May 18 (0430) 796 cfs (4.93 ft).

BEAR RIVER BASIN

10115200 Logan River below Blacksmith Fork, near Logan, Utah

LOCATION.--Lat 41°43'15", Long 111°53'08", in NE¼SW¼ sec.6, T.11 N., R.1 E., Cache County, on left bank 20 ft (6 m) below County Highway bridge, 2.7 mi (4.3 km) west of Logan, and 3.5 mi (5.6 km) downstream from mouth of Blacksmith Fork.

DRAINAGE AREA.--531 mi² (1,375 km²).

PERIOD OF RECORD.--April 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,420.99 ft (1,357.518 m) above mean sea level (levels by Corp of Engineers). Prior to Aug. 16, 1973, at datum 0.86 ft (0.262 m) higher.

AVERAGE DISCHARGE.--11 years, 326 ft³/s (9.32 m³/s) 236,200 acre-ft/yr (291 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,400 ft³/s (39.6 m³/s) May 18 (gage height, 5.11 ft or 1.558 m, from Dahman indicator); minimum daily, 76 ft³/s (2.15 m³/s) Aug. 31.
Period of record: Maximum discharge, 1,980 ft³/s (56.1 m³/s) May 16, 1971 (gage height, 4.84 ft or 1.475 m); minimum, 2.4 ft³/s (0.068 m³/s) July 15, 1966.

REMARKS.--Records good. Diversions for irrigation of several thousand acres above and below station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	327	259	234	239	232	264	340	1000	773	224	78
2	146	304	259	239	236	234	259	361	1050	746	232	80
3	154	296	264	254	236	236	264	423	1070	739	226	84
4	187	292	271	241	236	239	259	577	1110	727	214	89
5	188	299	274	241	236	239	241	564	1070	712	202	86
6	200	296	269	249	232	274	266	492	1100	705	186	91
7	200	294	269	250	232	284	279	483	1160	686	190	89
8	197	292	266	266	236	269	264	466	1250	639	154	90
9	204	289	256	254	256	276	254	451	1210	611	146	88
10	209	289	254	251	279	281	251	504	1050	584	139	92
11	209	286	262	251	259	271	254	705	910	557	133	109
12	202	284	259	246	246	264	254	950	875	547	126	107
13	200	281	274	241	251	259	259	789	937	516	126	109
14	219	281	266	251	256	254	279	959	1040	486	122	112
15	226	279	262	246	246	251	276	1120	1110	466	120	112
16	229	279	262	246	244	251	292	1210	1140	440	115	114
17	229	279	259	241	239	251	322	1290	1060	412	114	118
18	239	294	259	241	234	246	304	1350	1100	393	103	130
19	241	296	254	241	234	244	294	1340	991	369	100	141
20	239	281	256	241	239	271	294	1320	887	358	102	140
21	264	281	271	239	232	274	289	1110	858	356	103	137
22	254	292	271	232	221	281	335	964	850	322	98	149
23	259	286	254	234	221	271	398	838	866	301	91	170
24	289	281	241	239	224	264	407	757	875	262	102	163
25	306	279	244	291	226	309	443	896	914	241	99	167
26	306	274	256	276	224	314	437	866	883	232	89	166
27	304	274	244	251	224	279	415	866	834	221	77	168
28	296	274	244	249	226	269	388	879	797	212	81	162
29	299	264	249	234	---	266	366	879	805	207	82	168
30	329	259	236	232	---	284	345	887	789	214	77	178
31	340	---	239	241	---	284	---	950	---	229	76	---
TOTAL	7304	8582	8003	7642	6664	8221	9252	25586	29591	14263	4049	3687
MEAN	236	286	258	247	238	265	308	825	986	460	131	123
MAX	340	327	274	291	279	314	443	1350	1250	773	232	178
MIN	140	259	236	232	221	232	241	340	789	207	76	78
AC-FT	14490	17020	15870	15160	13220	16310	18350	50750	58690	28290	8030	7310
CAL YR 1974	TOTAL	133636	MEAN 366	MAX 1530	MIN 56	AC-FT 265100						
WTR YR 1975	TOTAL	132844	MEAN 364	MAX 1350	MIN 76	AC-FT 263500						

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LOCATION.--Lat 41°49'51", long 112°03'24", in SE¼ sec.27, T.13 N., R.2 W., Box Elder County, on right bank 3,600 ft (1,097 m) downstream from Cutler Dam and 4 mi (6 km) north of Collinston.

GAGE.--Water-stage recorder. Prior to May 22, 1914, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--63 years, 51.2 ft³/s (1.450 m³/s) 37,090 acre-ft/yr (45.7 hm³/yr).

EXTREMES.--Maximum daily discharge, 184 ft³/s (5.21 m³/s) June 29, 1963; no flow at times in each year.

REMARKS.--Records good. Canal diverts from east side of Bear River in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26 T.13 N., R.2 W., at dam at which West Side Canal and intake of Cutler powerplant also divert. Water from this canal and West Side Canal used for irrigation of about 58,000 acres (235 km²) below station in eastern Box Elder County.

COOPERATION.--Gage-height record and 5 discharge measurements furnished by Utah Power & Light Co.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	7.7						0	89	140	154	140
2	89	7.7						0	92	149	154	145
3	84	7.7						0	90	152	154	145
4	77	2.8						0	83	152	145	140
5	73	0						0	89	153	140	134
6	64	0						0	96	157	137	132
7	53	0						0	96	163	138	131
8	52	0						0	89	167	142	131
9	50	0						0	91	164	143	128
10	49	0						0	108	165	145	119
11	49	0						0	122	170	145	109
12	48	0						0	122	170	147	108
13	48	0						.18	128	170	145	99
14	48	0						77	131	170	143	95
15	48	0						61	130	171	139	95
16	48	0						29	133	170	138	94
17	46	0						25	130	170	138	95
18	44	0						38	107	169	138	93
19	41	0						35	95	169	142	87
20	41	0						40	89	169	142	83
21	41	0						38	77	166	144	81
22	36	0						38	66	161	147	79
23	32	0						37	66	157	147	80
24	29	0						35	67	158	147	75
25	16	0						35	68	160	144	75
26	9.9	0						35	71	164	142	76
27	9.0	0						35	78	163	142	68
28	8.0	0						38	96	161	142	65
29	7.7	0			---			46	120	146	141	63
30	7.7	0			---			62	126	156	141	62
31	7.7	---			---		---	83	---	154	141	---
TOTAL	1345.0	25.9	0	0	0	0	0	787.18	2945	5006	4447	3027
MEAN	43.4	.86	0	0	0	0	0	25.4	98.2	161	143	101
MAX	89	7.7	0	0	0	0	0	83	133	171	154	145
MIN	7.7	0	0	0	0	0	0	0	66	140	137	62
AC-FT	2670	51	0	0	0	0	0	1560	5840	9930	8820	6000
CAL YR 1974	TOTAL	22228.70	MEAN 60.9	MAX 167	MIN 0	AC-FT 44090						
WTR YR 1975	TOTAL	17583.08	MEAN 48.2	MAX 171	MIN 0	AC-FT 34880						

BEAR RIVER BASIN

10117500 West Side Canal near Collinston, Utah

LOCATION.--Lat 41°49'55", long 112°03'36", in SW¼ sec.27, T.13 N., R.2 W., Box Elder County, on left bank 4,200 ft (1,280 m) downstream from Cutler Dam and 4 mi (6.4 km) north of Collinston.

PERIOD OF RECORD.--June 1912 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to May 22, 1914, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--63 years, 243 ft³/s (6.882 m³/s) 176,100 acre-ft/yr (217 hm³/yr).

EXTREMES.--Period of record: Maximum daily discharge, 765 ft³/s (21.7 m³/s) July 19-24, 26-28, 1975; no flow for periods in every year except 1914.

REMARKS.--Records excellent. Canal diverts from west side of Bear River in NE¼SE¼ sec.27, T.13 N., R.2 W., at dam at which Hammond (East Side) Canal and intake of Cutler powerplant also divert. Water from this canal and Hammond (East Side) Canal used for irrigation of about 58,000 acres (235 km²) below station in eastern Box Elder County.

COOPERATION.--Gage-height record and 7 discharge measurements furnished by Utah Power & Light Co.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	509	108	84	70	34	30		0	368	717	701	703
2	488	108	81	70	32	29		0	434	743	693	699
3	456	107	79	72	30	28		0	484	739	691	701
4	397	107	78	72	30	27		0	481	739	679	707
5	378	107	78	74	30	27		0	506	735	673	707
6	363	107	78	74	30	27		0	613	739	679	709
7	330	105	78	74	30	16		0	637	743	691	713
8	312	106	78	76	29	2.8		0	616	747	699	709
9	296	106	78	76	32	2.7		0	605	745	705	707
10	290	106	77	76	32	1.4		0	594	749	713	695
11	278	105	76	76	30	0		0	639	747	711	669
12	255	105	76	78	28	0		0	673	745	707	649
13	242	105	72	78	28	0		1.4	673	749	707	637
14	233	104	68	74	28	0		252	673	747	709	620
15	224	104	68	70	28	0		220	675	749	709	601
16	224	103	68	66	28	0		220	679	757	711	594
17	217	104	68	64	28	0		246	673	761	691	596
18	208	94	68	62	29	0		278	620	763	685	596
19	208	88	68	60	29	0		286	560	765	687	582
20	207	88	68	58	30	0		280	499	765	689	567
21	204	87	68	56	30	0		184	484	765	699	550
22	196	84	68	54	30	0		193	470	765	709	539
23	187	84	68	52	30	0		191	495	765	707	531
24	175	84	68	50	30	0		193	524	765	707	524
25	160	84	68	48	30	0		193	544	763	707	509
26	157	84	68	46	30	0		208	572	765	707	481
27	155	83	68	44	30	0		220	647	765	707	456
28	154	84	67	42	30	0		221	693	765	705	477
29	148	84	67	40	---	0		260	713	755	703	466
30	139	84	68	38	---	0		314	721	743	703	464
31	122	---	68	36	---	0	---	336	---	711	703	---
TOTAL	7912	2909	2235	1926	835	190.9	0	4296.4	17565	23271	21687	18158
MEAN	255	97.0	72.1	62.1	29.8	6.16	0	139	586	751	700	605
MAX	509	108	84	78	34	30	0	336	721	765	713	713
MIN	122	83	67	36	28	0	0	0	368	711	673	456
AC-FT	15690	5770	4430	3820	1660	379	0	8520	34840	46160	43020	36020
CAL YR 1974 TOTAL	116619.00			MEAN 320	MAX 759	MIN 0	AC-FT 231300					
WTR YR 1975 TOTAL	100985.30			MEAN 277	MAX 765	MIN 0	AC-FT 200300					

BEAR RIVER BASIN

199

10118000 Bear River near Collinston, Utah

LOCATION.--Lat 41°50'03", long 112°03'16", in NW¼SE¼ sec.27, T.13 N., R.2 W., Box Elder County, on right bank 800 ft (244 m) downstream from Cutler plant of Utah Power & Light Co., 2,000 ft (610 m) downstream from Cutler Dam, and 5.5 mi (8.8 km) north of Collinston.

DRAINAGE AREA.--6,267 mi² (16,232 km²).

PERIOD OF RECORD.--July 1889 to current year. Published as "at Collinston" prior to 1900. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 4,276.13 ft (1,303.364 m) above mean sea level (levels by Bureau of Reclamation). Prior to Nov. 8, 1913, nonrecording gage, and Nov. 8, 1913 to Sept. 10, 1938, water-stage recorder, at site 0.8 mi (1.3 km) downstream at different datums.

EXTREMES.--Current year: Maximum discharge, 6,720 ft³/s (190 m³/s) May 21 (gage height, 6.48 ft or 1.975 m); minimum daily, 25 ft³/s (0.71 m³/s) Oct. 27.
Period of record: Maximum discharge observed, 11,600 ft³/s (329 m³/s) June 7-10, 1909 (gage height, 7.70 ft or 2.34 m, site and datum then in use); minimum daily, 10 ft³/s (0.28 m³/s) Aug. 4-12, 18-23, 1905; practically no flow at 2400 Aug. 5, 1920.

REMARKS.--Records excellent. Natural flow of stream affected by storage reservoir, power developments, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Eleven discharge measurements furnished by Utah Power & Light Co.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	172	1050	1020	1400	1520	713	2220	3010	3820	2740	967	1130
2	761	1080	1490	1310	1550	1570	1260	2480	3810	2560	990	1200
3	628	1110	1550	1350	2030	2080	2000	1550	3660	2770	422	387
4	964	1010	2100	800	1830	1270	2330	2960	3770	2060	1740	942
5	653	1680	1510	1550	1500	1670	1330	3110	3960	2160	1150	1480
6	855	1970	1640	1300	1720	2400	1810	3210	4190	1560	345	1480
7	965	1260	1700	1770	1540	2940	1590	3600	4190	1780	427	1480
8	1100	606	1470	2300	1370	2310	2350	3790	4030	1630	559	979
9	1310	796	1540	1670	1930	2740	1990	3510	3870	1250	1100	574
10	1130	463	1750	1370	1320	2200	1640	3360	3560	1180	753	930
11	1260	1340	1530	1710	1760	2100	1980	3200	3480	1270	1060	1310
12	878	1100	1320	1750	2440	2230	1440	3280	3090	1290	307	1220
13	1240	1240	1670	1500	1020	2350	1820	3330	2990	507	327	609
14	979	1340	1800	1530	1970	1660	1910	3300	2880	1270	570	1320
15	895	994	1610	1650	1970	1990	1950	3590	2830	1390	179	809
16	907	1020	1470	1570	1360	1910	1660	3800	2090	1450	619	824
17	826	114	1900	1690	711	1900	2020	3880	2980	1080	39	939
18	921	1630	1600	1840	1590	1680	2330	3870	2970	1110	1050	1040
19	1540	737	1810	1820	925	1470	2380	4600	2850	181	291	1110
20	931	553	1310	1760	1390	1830	2360	6090	3120	162	1200	1420
21	1200	1050	1910	1960	1010	1790	2690	6440	3580	1400	362	953
22	1840	1560	1850	2080	1500	1900	2170	6130	3770	746	601	1320
23	1280	1290	1480	1530	718	1830	2430	5480	3760	1110	493	1850
24	1850	1200	1520	1730	2160	1830	2610	4830	3570	625	662	1580
25	1830	1120	1170	1500	714	2460	2620	4820	3220	872	1730	1550
26	1350	1670	1020	2050	955	2930	2970	4410	3130	669	1130	1910
27	25	1200	1500	2150	1310	3000	2960	4270	2990	671	334	1880
28	1100	1220	1510	2100	1460	3010	2890	4090	2970	198	617	26
29	487	1150	1310	1930	---	3010	3160	3870	2890	597	663	1130
30	1440	1910	1380	1620	---	2780	3030	3840	2810	440	1240	706
31	1080	---	1510	1590	---	1490	---	3830	---	881	694	---
TOTAL	32397	34463	47950	51880	41273	65043	65900	121530	100830	37609	22621	34088
MEAN	1045	1149	1547	1674	1474	2098	2197	3920	3361	1213	730	1136
MAX	1850	1970	2100	2300	2440	3010	3160	6440	4190	2770	1740	1910
MIN	25	114	1020	800	711	713	1260	1550	2090	162	39	26
AC-FT	64260	68360	95110	102900	81860	129000	130700	241100	200000	74600	44870	67610
CAL YR 1974 TOTAL	670255		MEAN	1836	MAX	3880	MIN 25	AC-FT	1329000			
WTR YR 1975 TOTAL	655584		MEAN	1796	MAX	6440	MIN 25	AC-FT	1300000			

BEAR RIVER BASIN

10125600 Malad River near Plymouth, Utah

LOCATION.--Lat 41°50'19", long 112°08'49", in NE¼ sec.26, T.13 N., R.3 W., Box Elder County, on left bank
66 ft (20 m) above bridge on U.S. Highway 191 and 2.7 mi (4.3 km) south of Plymouth.

DRAINAGE AREA.--623 mi² (1,614 km²).

PERIOD OF RECORD.--April 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,310 ft (1,314 m) from topographic map.

AVERAGE DISCHARGE.--11 years, 73.8 ft³/s (2.09 m³/s) 53,470 acre-ft/yr (65.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 452 ft³/s (12.8 m³/s) Mar. 6 (gage height, 7.71 ft or 2.350 m);
minimum, 29 ft³/s (0.82 m³/s) Oct. 1, 2, 3.
Period of record: Maximum discharge, 740 ft³/s (21.0 m³/s) Mar. 10, 1974 (gage height, 8.19 ft or
2.496 m); minimum daily, 8.8 ft³/s (0.25 m³/s) Sept. 1, 1967.
Maximum measured discharge near this site, 3,240 ft³/s (91.8 m³/s) February 1962.

REMARKS.--Records good. Flow regulated by several small reservoirs above station. Diversions above station
for irrigation of about 30,000 acres (121 km²).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	100	81	70	86	129	192	188	170	61	65	40
2	30	112	80	74	84	166	180	178	157	59	71	40
3	29	117	81	70	85	198	168	173	143	57	71	39
4	32	105	81	70	87	213	162	166	130	55	66	40
5	31	91	87	70	90	215	160	160	121	52	59	40
6	32	84	98	72	91	307	159	160	112	50	60	42
7	32	81	104	74	90	273	159	173	103	51	59	44
8	34	81	99	76	91	248	157	182	94	56	58	46
9	36	80	95	80	97	299	156	190	93	56	58	51
10	37	79	88	72	135	360	152	200	90	52	55	56
11	35	79	82	71	157	353	149	205	87	52	54	51
12	39	77	82	66	154	336	144	202	85	53	56	54
13	43	78	84	74	157	307	140	191	80	52	54	56
14	43	80	83	76	199	279	135	179	75	52	50	55
15	41	81	79	75	198	254	132	174	72	52	49	52
16	44	82	75	76	187	222	133	173	74	53	48	52
17	45	82	87	78	169	199	137	171	68	51	48	55
18	45	83	93	79	145	186	144	170	65	53	47	57
19	44	85	94	80	129	175	149	168	65	56	47	58
20	46	88	95	82	120	172	148	168	71	53	47	59
21	49	88	95	85	115	175	142	175	81	53	49	60
22	49	89	95	84	109	175	137	188	87	53	49	61
23	57	89	70	85	104	169	135	203	89	55	48	63
24	64	87	70	84	102	169	145	216	82	54	46	65
25	69	86	70	86	99	186	166	224	73	51	44	64
26	74	87	70	91	99	216	187	224	71	50	44	64
27	73	85	70	98	99	228	198	214	68	49	43	62
28	71	83	70	90	105	209	216	199	67	48	42	63
29	70	84	70	85	---	219	219	187	66	49	42	63
30	74	85	66	83	---	219	205	181	65	51	42	66
31	85	---	69	85	---	193	---	176	---	55	41	---
TOTAL	1483	2608	2563	2441	3383	7049	4806	5758	2704	1644	1612	1618
MEAN	47.8	86.9	82.7	78.7	121	227	160	186	90.1	53.0	52.0	53.9
MAX	85	117	104	98	199	360	219	224	170	61	71	66
MIN	29	77	66	66	84	129	132	160	65	48	41	39
AC-FT	2940	5170	5080	4840	6710	13980	9530	11420	5360	3260	3200	3210
CAL YR 1974	TOTAL	32011	MEAN	87.7	MAX	692	MIN	25	AC-FT	63490		
WTR YR 1975	TOTAL	37669	MEAN	103	MAX	360	MIN	29	AC-FT	74720		

BEAR RIVER BASIN

201

10126000 Bear River near Corinne, Utah

LOCATION.--Lat 41°34'35", long 112°06'00", in SE¼NE¼ sec.30, T.10 N., R.2 W., Box Elder County, on right bank 1.2 mi (1.9 km) downstream from Salt Creek, 2.0 mi (3.2 km) northeast of Corinne, and 2.8 mi (4.5 km) downstream from Malad River.

DRAINAGE AREA.--7,029 mi² (18,205 km²).

PERIOD OF RECORD.--October 1949 to September 1957, October 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,204.6 ft (1,281.56 km) unadjusted. Auxiliary nonrecording gage 7,800 ft (2,380 m) downstream July 27, 1950 to Nov. 21, 1955.

AVERAGE DISCHARGE.--20 years, 1,783 ft³/s (50.5 m³/s) 1,292,000 acre-ft/yr (1.59 km³/yr).

EXTREMES.--Current year: Maximum discharge, 6,660 ft³/s (189 m³/s) May 22, (gage height, 14.01 ft or 4.270 m); minimum daily, 312 ft³/s (8.84 m³/s) Aug. 18.
Period of record: Maximum discharge, 7,370 ft³/s (209 m³/s) June 17, 1971 (gage height, 15.12 ft or 4.609 m); minimum daily, 72 ft³/s (2.04 m³/s) Aug. 20, 21, 26, Sept. 8, 1964, July 5, 1970.

REMARKS.--Records good except those for winter months, which are fair. Natural flow of stream affected by storage reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	955	1490	1980	1600	1800	1690	2270	3280	4010	2850	1000	838
2	487	1280	1390	1550	1700	1470	2280	3070	4000	2700	1100	1180
3	752	1360	1640	1450	1700	1650	1800	2560	3990	2720	1200	1290
4	878	1400	1640	1350	2100	2220	2310	2310	3900	2610	1000	550
5	1080	1370	1980	1200	2000	1800	2410	3030	3910	2360	1800	1110
6	871	1880	1700	1700	1900	2240	1890	3210	4090	2040	1400	1520
7	955	2150	1820	1500	1850	3070	2140	3410	4280	1970	546	1560
8	1140	1610	1830	1900	1800	3210	1940	3710	4300	1710	500	1590
9	1350	797	1670	2200	1800	3020	2510	3840	4100	1800	700	1120
10	1550	900	1710	1700	2000	2900	2240	3640	3920	1600	1200	830
11	1420	629	1970	1550	1700	2750	1970	3530	3690	1400	1000	1240
12	1440	1370	1800	1750	2000	2720	2100	3430	3530	1300	1100	1530
13	1190	1300	1600	1900	2300	2790	1750	3510	3240	1400	500	1360
14	1410	1350	1750	1700	1600	2820	2000	3580	3070	800	410	914
15	1280	1480	1900	1750	2000	2150	2280	3630	3000	1400	698	1500
16	1180	1180	1700	1750	2100	2340	2140	3820	2580	1500	549	1180
17	1040	1130	1650	1750	2000	2340	2020	4000	2650	1600	573	1080
18	1120	383	1950	1800	1100	2300	2300	4090	3090	1300	312	1160
19	1140	1430	1850	2000	1400	2080	2510	4210	3170	1200	992	1270
20	1500	1010	1900	1900	1300	1830	2590	5020	3180	700	808	1310
21	1340	926	1900	1900	1500	2070	2730	6120	3440	500	1060	1650
22	1480	1330	2000	2050	1300	2100	2600	6560	3860	1500	540	1330
23	1880	1490	1900	2150	1550	2230	2450	6580	3970	1000	822	1570
24	1680	1530	1750	1900	1200	2150	2730	6080	3970	1200	687	2070
25	2330	1510	1600	1900	1900	2440	2800	5390	3740	900	814	1850
26	1990	1440	1500	1850	1100	3140	3000	5000	3430	1000	1640	1810
27	1520	1810	1400	2100	1200	3360	3180	4800	3260	800	1340	2420
28	479	1590	1200	2300	1480	3400	3210	4600	3110	800	619	1760
29	1050	1530	1500	2200	---	3410	3220	4300	3060	600	623	516
30	864	1540	1700	2100	---	3350	3350	4050	2970	700	857	1190
31	1560	---	1550	2000	---	3020	---	4030	---	600	1110	---
TOTAL	38911	40195	53430	56450	47380	78060	72720	128390	106510	44560	27500	40298
MEAN	1255	1340	1724	1821	1692	2518	2424	4142	3550	1437	887	1343
MAX	2330	2150	2000	2300	2300	3410	3350	6580	4300	2850	1800	2420
MIN	479	383	1200	1200	1100	1470	1750	2310	2580	500	312	516
AC-FT	77180	79730	106000	112000	93980	154800	144200	254700	211300	88380	54550	79930
CAL YR 1974	TOTAL	729898	MEAN	2000	MAX	4330	MIN	195	AC-FT	1448000		
WTR YR 1975	TOTAL	734404	MEAN	2012	MAX	6580	MIN	312	AC-FT	1457000		

BEAR RIVER BASIN

10126180 Sulphur Creek near Corinne, Utah

LOCATION.--Lat 41°34'25", long 112°13'07", in SW¼SE¼NE¼ sec.30, T.10 N., R.3 W., Box Elder County, on right bank 100 ft (30 m) downstream from bridge on State Highway 83, 6 mi (10 km) northwest of Corinne, Utah.

DRAINAGE AREA.--15.4 mi² (39.9 km²).

PERIOD OF RECORD.--September 1971 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,228.8 ft (1,288.94 m) by Topographic Division.

EXTREMES.--Current year: Maximum discharge, 140 ft³/s (3.96 m³/s) Mar. 28 (gage height, 2.94 ft or 0.896 m); minimum daily, 31 ft³/s (0.88 m³/s) Feb. 24.
Period of record: Maximum discharge, 185 ft³/s (5.24 m³/s) Mar. 13, 1973 (gage height, 3.39 ft or 1.033 m); minimum daily, 24 ft³/s (0.68 m³/s) Apr. 30, 1972.

REMARKS.--Records good except those for winter periods, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	84	58	50	55	45	62	34	58	53	54	44
2	69	79	57	50	53	56	58	33	58	53	66	47
3	73	70	56	50	52	67	56	33	59	49	82	48
4	76	67	58	51	53	74	55	36	60	48	66	46
5	79	67	62	48	52	74	52	52	63	45	62	47
6	78	65	60	48	54	83	52	56	64	42	59	48
7	78	63	60	49	52	110	52	60	56	42	54	52
8	78	63	57	49	52	118	49	62	62	41	55	58
9	79	61	58	49	54	109	47	62	65	40	52	56
10	79	62	57	49	58	96	44	61	64	40	50	51
11	73	61	56	50	62	90	41	61	64	42	50	57
12	68	62	55	50	46	79	40	60	56	44	49	56
13	67	61	56	50	46	74	38	60	60	43	50	59
14	67	61	55	50	56	72	36	60	59	43	52	58
15	66	61	54	50	55	67	37	60	65	43	52	64
16	64	60	54	48	52	64	38	72	66	40	56	65
17	64	60	54	49	50	63	39	76	60	41	59	63
18	63	63	54	49	48	61	38	78	62	43	57	62
19	62	63	54	50	41	60	36	79	67	44	50	57
20	63	61	56	50	41	59	35	86	75	43	50	60
21	67	60	57	50	40	55	34	82	79	40	49	64
22	75	61	56	55	42	57	33	86	79	41	52	64
23	73	60	61	50	41	57	34	82	77	40	51	60
24	75	59	60	50	31	55	34	78	72	42	59	58
25	72	59	51	51	32	69	36	71	69	44	54	55
26	69	57	54	53	40	106	36	69	63	41	53	50
27	67	57	52	53	37	99	37	69	57	44	51	46
28	66	56	51	50	39	85	37	69	58	43	46	52
29	68	55	53	50	---	88	37	65	59	41	44	56
30	73	58	50	51	---	72	35	63	57	39	46	54
31	83	---	50	50	---	68	---	61	---	47	47	---
TOTAL	2199	1876	1726	1552	1334	2332	1258	1976	1913	1341	1677	1657
MEAN	70.9	62.5	55.7	50.1	47.6	75.2	41.9	63.7	63.8	43.3	54.1	55.2
MAX	83	84	62	55	62	118	62	86	79	53	82	65
MIN	62	55	50	48	31	45	33	33	56	39	44	44
AC-FT	4360	3720	3420	3080	2650	4630	2500	3920	3790	2660	3330	3290
CAL YR 1974	TOTAL	22177	MEAN 60.8	MAX 148	MIN 36	AC-FT 43990						
WTR YR 1975	TOTAL	20841	MEAN 57.1	MAX 118	MIN 31	AC-FT 41340						

BEAR RIVER BASIN

203

10127100 Black Slough near Brigham City, Utah

LOCATION.--Lat 41°30'36", long 112°03'34", in SW¼SE¼SW¼ sec.16, T.9 N., R.2 W., Box Elder County, on left bank 20 ft (6 m) above bridge on Highway 523, and 3 mi (5 km) west of Brigham City.

DRAINAGE AREA.--31.1 mi² (80.5 km²).

PERIOD OF RECORD.--September 1971 to current year.

GAGE.--Water-stage recorder. Altitude of gage, 4,210 ft (1,283 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 136 ft³/s (3.85 m³/s) Mar. 28 (gage height, 3.53 ft or 1.076 m); minimum, 11 ft³/s (0.31 m³/s) Aug. 17.

Period of record: Maximum discharge, 171 ft³/s (4.84 m³/s) Mar. 11, 1973 (gage height, 3.78 ft or 1.151 m, from Dahman indicator); minimum, 5.0 ft³/s (0.14 m³/s) Aug. 13, 1972.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	49	38	37	36	63	103	77	27	26	22	20
2	20	54	38	33	36	64	101	74	27	24	18	18
3	20	58	37	32	37	67	96	71	33	22	18	19
4	21	58	38	32	37	73	93	65	37	20	20	21
5	23	57	43	32	38	77	90	64	37	20	21	24
6	28	56	47	35	36	86	84	64	37	19	23	26
7	36	54	48	36	38	93	80	66	36	18	25	26
8	37	51	50	39	39	96	77	74	38	18	22	26
9	32	48	50	39	48	96	74	78	34	16	19	29
10	34	45	50	41	62	98	71	79	39	15	20	30
11	34	42	47	39	65	98	67	79	36	15	21	33
12	32	41	45	46	67	94	62	77	32	16	22	33
13	29	41	44	37	68	91	57	75	29	18	22	32
14	28	40	42	36	79	87	53	71	28	17	21	27
15	28	39	42	34	91	83	50	65	27	18	17	26
16	27	39	42	34	95	81	51	60	25	15	15	29
17	27	39	42	34	98	80	58	59	24	13	13	30
18	28	39	42	35	99	78	71	62	23	14	15	31
19	28	43	42	35	99	75	79	59	25	17	18	31
20	28	44	43	35	100	73	82	58	32	20	18	30
21	28	45	47	35	99	71	82	60	40	20	17	31
22	30	45	50	34	99	70	82	60	50	17	19	32
23	31	45	51	34	90	68	82	60	51	16	19	37
24	34	44	52	34	84	68	82	60	49	16	17	36
25	35	43	46	35	76	76	79	59	44	16	18	35
26	35	44	41	53	70	125	82	53	44	16	21	32
27	34	43	38	48	67	123	81	47	42	15	20	33
28	34	42	37	44	64	123	81	42	36	16	17	32
29	33	40	36	40	---	107	81	41	32	17	19	31
30	34	39	37	39	---	109	80	39	29	19	21	31
31	41	---	36	36	---	106	---	32	---	22	22	---
TOTAL	929	1367	1341	1153	1917	2699	2311	1930	1043	551	600	871
MEAN	30.0	45.6	43.3	37.2	68.5	87.1	77.0	62.3	34.8	17.8	19.4	29.0
MAX	41	58	52	53	100	125	103	79	51	26	25	37
MIN	20	39	36	32	36	63	50	32	23	13	13	18
AC-FT	1840	2710	2660	2290	3800	5350	4580	3830	2070	1090	1190	1730
CAL YR 1974	TOTAL	13824.6	MEAN	37.9	MAX	123	MIN	6.1	AC-FT	27420		
WTR YR 1975	TOTAL	16712.0	MEAN	45.8	MAX	125	MIN	13	AC-FT	33150		

10127110 Bear River basin outflow across State Highway 83 near Corinne, Utah

LOCATION.--Records of discharge are collected at 3 continuous recording gaging stations (see stations 10126000, 10126180, and 101271000) and 46 culvert or bridge openings which cross State Highway 83 from Brigham City on the east to the base of Little Mountain 7.2 mi (11.6 km) west of Corinne.

PERIOD OF RECORD.--October 1971 to current year.

EXTREMES.--Current year: Maximum daily discharge, 6,900 ft³/s (195 m³/s) May 23; minimum daily, 541 ft³/s (15.3 m³/s) Nov. 18.

Period of record: Maximum daily discharge, 6,900 ft³/s (195 m³/s) May 23, 1975; minimum daily, 336 ft³/s (9.52 m³/s) July 11, 1973.

REMARKS.--Records good. Three of the culvert crossings are distributaries of canals and weir gage readings are made almost daily during the irrigation season by the watermaster. Flow through the other openings generally is determined once a week by hydrographers of the Geological Survey, either by current meter measurements, discharge based on computerized ratings for flow through culverts, or field estimates. Records for station 10127100 Black Slough are collected at a bridge crossing on county road about 2 mi (3.2 km) downstream from State Highway 83 in order to include Box Elder Creek. Most of the flow that crosses Highway 83 is included in records for station 10126000 Bear River near Corinne.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1230	1760	2150	1740	1950	1890	2540	3460	4270	3130	1260	1110
2	766	1560	1560	1690	1850	1690	2540	3240	4260	2970	1360	1450
3	1030	1630	1810	1580	1850	1880	2050	2730	4260	2970	1490	1570
4	1160	1660	1810	1490	2250	2470	2550	2480	4170	2870	1280	817
5	1360	1620	2160	1330	2150	2060	2640	3210	4180	2630	2070	1390
6	1160	2130	1880	1840	2050	2530	2110	3400	4370	2310	1660	1810
7	1240	2390	2000	1640	2000	3400	2350	3610	4560	2230	804	1860
8	1420	1830	2010	2040	1950	3560	2140	3920	4600	1950	752	1890
9	1620	1010	1850	2340	1970	3360	2700	4060	4410	2050	941	1420
10	1820	1100	1890	1850	2210	3230	2420	3870	4240	1840	1440	1130
11	1680	812	2150	1690	1920	3080	2140	3760	4020	1640	1240	1540
12	1680	1540	1950	1900	2210	3020	2260	3650	3860	1550	1330	1840
13	1420	1460	1770	2040	2520	3080	1900	3740	3570	1650	732	1670
14	1640	1510	1920	1840	1850	3090	2130	3810	3400	1050	640	1220
15	1500	1640	2070	1890	2270	2400	2410	3860	3340	1640	926	1810
16	1400	1340	1870	1880	2380	2590	2270	4070	2930	1740	781	1490
17	1250	1280	1820	1890	2280	2590	2160	4260	2990	1830	808	1380
18	1330	541	2120	1940	1390	2530	2460	4370	3440	1540	549	1470
19	1350	1590	2010	2140	1680	2300	2680	4490	3520	1430	1230	1570
20	1710	1180	2070	2040	1590	2040	2770	5320	3540	948	1040	1620
21	1560	1090	2070	2040	1780	2270	2910	6430	3810	760	1300	1960
22	1710	1500	2170	2190	1580	2300	2780	6880	4240	1750	784	1630
23	2100	1660	2080	2290	1810	2430	2630	6900	4350	1230	1070	1880
24	1910	1690	1920	2040	1440	2340	2910	6390	4340	1440	943	2370
25	2560	1690	1760	2040	2120	2680	2980	5700	4090	1130	1070	2140
26	2220	1600	1650	2010	1320	3480	3180	5300	3770	1250	1900	2100
27	1750	1980	1550	2260	1400	3700	3360	5090	3590	1060	1600	2710
28	714	1760	1340	2460	1680	3730	3390	4890	3430	1050	879	2050
29	1290	1700	1640	2350	---	3720	3400	4580	3370	838	886	813
30	1110	1710	1840	2250	---	3640	3530	4330	3270	938	1120	1490
31	1820	---	1690	2150	---	3300	---	4300	---	859	1340	---
TOTAL	46510	45963	58580	60870	53450	86380	78290	136100	116190	52273	35225	49200
MEAN	1500	1532	1890	1964	1909	2786	2610	4390	3873	1686	1136	1640
MAX	2560	2390	2170	2460	2520	3730	3530	6900	4600	3130	2070	2710
MIN	714	541	1340	1330	1320	1690	1900	2480	2930	760	549	813
AC-FT	92250	91170	116200	120700	106000	171300	155300	270000	230500	103700	69870	97590
CAL YR 1974	TOTAL	813151	MEAN	2228	MAX	4710	MIN	438	AC-FT	1613000		
WTR YR 1975	TOTAL	819031	MEAN	2244	MAX	6900	MIN	541	AC-FT	1625000		

10128500 Weber River near Oakley, Utah

LOCATION.--Lat 40°44'14", long 111°14'50", in SE¼NE¼ sec.15, T.1 S., R.6 E., Summit County, on right bank 1.5 miles (2.4 km) downstream from South Fork, 2.2 miles (3.5 km) upstream from Weber-Provo diversion canal, and 3.2 miles (5.1 km) northeast of Oakley.

DRAINAGE AREA.--163 mi² (422 km²).

PERIOD OF RECORD.--October 1904 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 6,600 ft (2,012 m) from topographic map. Prior to Oct. 25, 1933, staff gage at site 0.2 mile (0.3 km) downstream at different datum. Oct. 25, 1933 to Aug. 29, 1955, water-stage recorder at present site at datum 0.5 ft (0.15 m) higher.

AVERAGE DISCHARGE.--71 years, 222 ft³/s (6.29 m³/s), 160,800 acre-ft/year (198 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,380 ft³/s (67.4 m³/s) June 16 (gage height, 4.26 ft or 1.298 m); minimum, 30 ft³/s (0.850 m³/s) Mar. 28.

Period of record: Maximum discharge observed, 4,170 ft³/s (118 m³/s) June 13, 1921 (gage height, 9.0 ft or 2.74 m, site and datum then in use), from rating curve extended above 2,000 ft³/s (56.6 m³/s); minimum recorded, 16 ft³/s (0.45 m³/s) Mar. 12, 1941.

REMARKS.--Records good except those for winter periods which are fair. Several small diversions for irrigation above station. Flow slightly regulated by several small lakes on headwaters and a small reservoir on Smith and Morehouse Creek. Total capacity of lakes and reservoir, 3,400 acre-ft (4.19 hm³).

REVISIONS(WATER YEARS).--WSP 790: 1934. WSP 1394: 1907-09, 1911-12, 1921-22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	70	55	48	51	54	53	75	883	1630	229	117
2	64	68	59	49	50	57	52	81	1140	1640	221	115
3	66	66	60	50	50	55	53	100	1240	1560	212	113
4	73	63	60	50	49	53	53	130	1100	1610	207	111
5	76	63	60	51	46	53	53	115	1140	1870	195	109
6	72	64	57	52	45	54	57	100	1400	1580	187	106
7	68	61	57	52	49	53	56	96	1630	1480	187	102
8	68	63	56	52	49	53	56	94	1830	1470	187	102
9	70	64	53	51	49	54	54	107	1630	1410	179	102
10	67	61	54	50	48	53	54	139	1200	1310	174	107
11	66	61	56	50	51	53	53	195	1030	1130	171	115
12	64	60	58	50	56	52	54	233	1140	1080	171	119
13	63	60	58	50	53	52	56	218	1380	936	169	119
14	63	61	58	50	51	53	57	307	1760	838	161	117
15	63	61	58	51	52	52	59	436	1910	758	159	113
16	61	59	58	52	52	53	66	534	2070	673	154	106
17	61	59	58	52	49	53	60	647	1720	651	149	102
18	61	61	58	50	48	53	59	741	1520	568	144	98
19	61	60	58	49	49	54	59	877	1170	505	139	96
20	61	60	58	48	49	57	61	1020	943	458	144	94
21	68	60	58	47	48	56	65	713	832	418	149	93
22	67	63	57	48	48	55	78	569	747	367	147	91
23	79	60	56	49	50	52	84	510	801	350	137	88
24	73	60	52	50	51	57	86	491	1000	334	142	86
25	67	61	52	52	52	56	100	544	1310	315	139	84
26	64	60	52	53	52	56	86	544	1000	300	137	82
27	64	60	52	54	53	52	79	589	1100	289	135	80
28	64	60	52	51	54	53	76	564	1350	279	135	80
29	66	57	52	47	---	54	75	589	1490	279	130	79
30	66	54	52	47	---	60	72	674	1580	275	126	81
31	68	---	50	49	---	54	---	771	---	252	122	---
TOTAL	2058	1840	1734	1554	1404	1676	1926	12803	39046	26615	5038	3007
MEAN	66.4	61.3	55.9	50.1	50.1	54.1	64.2	413	1302	859	163	100
MAX	79	70	60	54	56	60	100	1020	2070	1870	229	119
MIN	61	54	50	47	45	52	52	75	747	252	122	79
AC-FT	4080	3650	3440	3080	2780	3320	3820	25390	77450	52790	9990	5960

CAL YR 1974 TOTAL 87701 MEAN 240 MAX 1780 MIN 50 AC-FT 174000
WTR YR 1975 TOTAL 98701 MEAN 270 MAX 2070 MIN 45 AC-FT 195800

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
6-08	0530	3.84	1,970	7-5	0200	4.10	2,220
6-16	0300	4.26	2,380				

LOCATION.--Lat 40°45'04", long 111°22'11", in NW¼SE¼NW¼ sec. 10, T.1 S., R.5 E., Summit County, on left bank 60 ft (18 m) downstream from bridge on alternate U.S. Highway 189, 2.4 miles (3.9 km) north of Peoa, and 3.2 miles (5.1 km) upstream from Wanship Dam.

PERIOD OF RECORD.--May 1957 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 6,050 ft (1,844 m) from Bureau of Reclamation Rockport Reservoir
map.

EXTREMES.--Current year: Maximum discharge, 1,810 ft³/s (51.3 m³/s) June 8 (gage height, 4.65 ft or 1.417 m); minimum 53 ft³/s (1.50 m³/s) Jan. 8, Feb. 20.

Period of record: Maximum discharge, 2,160 ft³/s (61.2 m³/s) June 13, 1965 and June 18, 1971 (gage height, 4.80 ft or 1.463 m June 18, 1971); minimum recorded, 7.6 ft³/s (0.22 m³/s) Dec. 28, 1962.

REMARKS.--Records good. Many diversions for irrigation above station. No diversion between station and Rockport Reservoir. Records do not include 61,901 acre-ft (76.3 hm³) of water diverted from Weber River basin through Weber-Provo diversion canal. Flow slightly regulated by several small reservoirs above station.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	151	87	71	67	73	75	92	345	1260	176	123
2	84	126	87	72	67	79	75	96	563	1320	172	117
3	89	111	92	72	68	79	71	126	703	1290	169	117
4	99	102	105	72	66	77	75	184	793	1370	166	117
5	117	99	99	73	64	77	99	180	1130	1530	163	117
6	114	99	94	73	68	89	126	147	1370	1290	143	115
7	111	97	94	73	64	87	111	140	1580	1190	149	107
8	108	97	94	66	64	92	97	140	1730	1130	149	110
9	108	102	92	66	64	99	89	140	1590	1120	140	110
10	108	97	90	66	64	99	97	184	1190	1100	140	115
11	108	97	90	67	64	97	123	253	1030	969	143	123
12	102	94	92	67	64	94	159	330	1040	929	166	126
13	105	97	89	67	73	92	193	286	1220	785	153	140
14	102	94	84	67	68	92	207	336	1470	647	153	156
15	94	97	89	67	64	87	211	354	1620	584	149	153
16	97	94	94	68	64	87	302	345	1680	529	149	149
17	94	94	87	68	66	82	193	300	1500	529	146	149
18	92	105	87	68	65	87	151	391	1420	421	132	146
19	92	111	87	68	65	114	155	457	1220	345	129	146
20	92	99	84	68	66	147	171	703	1030	315	129	146
21	108	99	87	68	66	137	184	511	905	268	132	143
22	120	111	79	68	67	111	175	415	777	202	134	140
23	202	105	76	69	67	97	159	391	745	163	126	134
24	123	97	75	71	68	94	135	300	817	176	126	132
25	105	102	74	75	69	102	151	273	1060	172	123	132
26	99	102	74	75	69	102	120	255	873	172	120	132
27	97	89	73	73	70	94	111	287	873	169	117	132
28	99	92	72	71	71	94	105	287	1030	179	120	129
29	102	89	71	70	---	92	99	268	1160	172	123	126
30	105	84	71	68	---	82	97	282	1220	190	126	120
31	120	---	71	67	---	75	---	291	---	183	126	---
TOTAL	3280	3033	2640	2154	1862	2910	4116	8744	33684	20699	4389	3902
MEAN	106	101	85.2	69.5	66.5	93.9	137	282	1123	668	142	130
MAX	202	151	105	75	73	147	302	703	1730	1530	176	156
MIN	84	84	71	66	64	73	71	92	345	163	117	107
AC-FT	6510	6020	5240	4270	3690	5770	8160	17340	66810	41060	8710	7740
CAL YR 1974	TOTAL	84156	MEAN	231	MAX	1490	MIN	70	AC-FT	166900		
WTR YR 1975	TOTAL	91413	MEAN	250	MAX	1730	MIN	64	AC-FT	181300		

10129400 Rockport Reservoir near Wanship, Utah

LOCATION.--Lat 40°47'25", long 111°24'12", in NW¼NW¼SE¼ sec.29, T.1 N., R.5 E., Summit County, in powerhouse on downstream side of dam on Weber River, 1.2 miles (1.9 km) south of Wanship and 1.2 miles (1.9 km) upstream from Silver Creek.

DRAINAGE AREA.--320 mi² (830 km²), approximately.

PERIOD OF RECORD.--February 1957 to current year. Month-end contents only prior to October 1960, published in WSP 1734.

GAGE.--Mercury gage in powerhouse read once daily. Datum of gage is at mean sea level (levels by Bureau of Reclamation).

EXTREMES.--Current year: Maximum contents observed, 64,690 acre-ft (79.8 hm³) July 6, 7 (elevation, 6,040.5 ft or 1,841.14 m); minimum observed, 32,250 acre-ft (39.8 hm³) May 9, 10 (elevation, 6,005.6 ft or 1,830.51 m).

Period of record: Maximum contents observed, 65,030 acre-ft (80.2 hm³) June 24, 27, 28, 1967; minimum observed since storage began, 152 acre-ft (0.19 hm³) Sept. 10, 15, 1959 (elevation, 5,931.2 ft or 1,807.46 m).

REMARKS.--Reservoir is formed by earth-fill rock-faced dam; storage began in fall of 1956; dam completed March 1957. Usable capacity 60,860 acre-ft (75.1 hm³) between elevation 5,930 ft (1,807.5 m) (bottom of outlet tunnel) and 6,037 ft (1,840.1 m) (top of spillway) above mean sea level. Dead storage 1,260 acre-ft (1.55 hm³) below elevation 5,930 ft (1,807.5 m). Figures given herein represent usable contents. Water is used for irrigation, domestic, and industrial purposes.

COOPERATION.--Capacity table furnished by Bureau of Reclamation.

Capacity table (elevation, in feet,
and usable contents, in acre-feet)

6,005	31,800	6,030	53,600
6,010	35,660	6,035	58,730
6,015	39,760	6,040	64,140
6,020	44,110	6,041	65,250
6,025	48,720		

CONTENTS, IN ACRE-Feet, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48720	45100	41120	39080	35820	33170	32710	32710	41210	59580	61190	59580
2	48530	45100	40950	39170	35660	33090	32560	32480	41730	60110	61190	59580
3	48340	45010	40780	39250	35430	33010	32480	32330	42600	60540	61190	59370
4	48160	44830	40600	39250	35190	33010	32400	32400	43660	62160	61290	59370
5	48060	44740	40430	39250	35030	32940	32400	32400	44830	63920	61290	59150
6	47970	44650	40350	39250	34870	32860	32400	32480	46110	64690	61290	59150
7	47870	44470	40180	39420	34870	32860	32400	32400	47870	64690	61190	59150
8	47780	44290	40010	39420	34790	32780	32400	32330	50060	64580	61080	58940
9	47590	44200	39760	39420	34720	32780	32400	32250	52010	64470	60970	58840
10	47500	44110	39590	39500	34640	32780	32400	32250	52800	64360	60860	58730
11	47400	43930	39340	39590	34560	32780	32400	32330	52210	64250	60860	58620
12	47220	43750	39250	39590	34560	32710	32480	32560	51420	64140	60860	58520
13	47120	43660	39080	39590	34400	32710	32480	32940	50740	63920	60860	58410
14	47030	43480	38920	39500	34400	32630	32560	33240	50450	63700	60860	58410
15	46840	43310	38750	39340	34330	32630	32630	33630	50840	63480	60860	58310
16	46750	43220	38590	39170	34250	32630	32860	34170	51420	63260	60750	58310
17	46570	43040	38590	38920	34170	32560	33170	34560	52110	63150	60750	58310
18	46480	42950	38590	38750	34090	32560	33170	34640	53300	63040	60650	58310
19	46290	42860	38590	38590	34010	32560	33170	35660	54100	62820	60650	58200
20	46110	42690	38670	38340	33940	32560	33170	36540	54600	62710	60540	58200
21	45920	42600	38670	38090	33780	32710	33170	37600	54600	62600	60540	58200
22	45740	42510	38750	37930	33700	32780	33320	38250	54400	62380	60430	58100
23	45740	42340	38750	37680	33630	32860	33320	38920	53800	62160	60430	58100
24	45920	42250	38750	37430	33550	32860	33320	39340	53300	61940	60330	58100
25	45830	42070	38750	37270	33470	32860	33400	39590	53000	61830	60220	57990
26	45740	41900	38830	37110	33400	32860	33400	39840	54000	61730	60110	57890
27	45560	41730	38920	36950	33320	32860	33320	40090	54500	61730	60000	57780
28	45560	41640	38920	36790	33240	32780	33170	40430	55110	61620	60000	57780
29	45380	41460	39000	36620	---	32780	33010	40600	56540	61620	59900	57680
30	45190	41290	39080	36300	---	32780	32860	40780	58410	61510	59790	57580
31	45100	---	39080	36060	---	32710	---	41030	---	61400	59680	---
MAX	48720	45100	41120	39590	35820	33170	33400	41030	58410	64690	61290	59580
MIN	45100	41290	38590	36060	33240	32560	32400	32250	41210	59580	59680	57580
(†)	6,021.1	6,016.8	6,014.2	6,010.5	6,006.9	6,006.2	6,006.4	6,016.5	6,034.7	6,037.5	6,035.9	6,033.9
(‡)	-3,810	-3,810	-2,210	-3,020	-2,820	-530	+150	+8,170	+17,380	+2,990	-1,720	-2,100

CAL YR 1974. † -19,860

WTR YR 1975. ‡ +8,670

† Elevation, in feet, at end of month.

‡ Change in contents, in acre-feet.

WEBER RIVER BASIN

10130500 Weber River near Coalville, Utah

LOCATION.--Lat 40°53'43", long 111°24'04", in NE¼SW¼NE¼ sec.20, T.2 N., R.5 E., Summit County, on left bank 1.2 miles (1.9 km) upstream from high-water line of Echo Reservoir, 1.4 miles (2.3 km) south of Coalville, 1.7 miles (2.7 km) upstream from Chalk Creek, and 5.5 miles (8.8 km) downstream from Silver Creek.

DRAINAGE AREA.--438 mi² (1,134 km²).

PERIOD OF RECORD.--April 1927 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,600 ft (1,707 m) from topographic map. Prior to Mar. 22, 1931, nonrecording gage, Mar. 22, 1931 to July 18, 1967, water-stage recorder at same site at different datum.

AVERAGE DISCHARGE.--44 years, 200 ft³/s (5.66 m³/s), 144,900 acre-ft/yr (179 hm³/yr), since completion of Weber-Provo diversion canal.

EXTREMES.--Current year: Maximum discharge, 1,810 ft³/s (51.3 m³/s) June 17 (gage height, 4.62 ft or 1.408 m); minimum, 69 ft³/s (1.95 m³/s) Dec. 25.

Period of record: Maximum discharge, 2,190 ft³/s (62.0 m³/s) May 6, 1952; maximum gage height, 5.08 ft (1.55 m) (present datum) May 29, 1951; minimum discharge, 6 ft³/s (0.17 m³/s) Sept. 20, 1934.

REMARKS.--Records good. Many diversions for irrigation above station. No diversion between station and Echo Reservoir. Records do not include 61,901 acre-ft (76.3 hm³) of water diverted from Weber River basin through Weber-Provo diversion canal. Flow regulated by several small reservoirs above station, and since Apr. 1, 1957, by Rockport Reservoir (see station 10129400).

REVISIONS(WATER YEARS).--WSP 1314: 1943(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	146	188	178	83	185	131	135	227	310	964	168	139
2	151	185	178	83	185	139	133	249	304	1220	170	137
3	153	182	178	83	188	139	133	272	301	912	168	137
4	155	180	178	83	188	139	133	280	388	578	162	139
5	160	180	180	83	158	139	135	249	559	1050	153	139
6	160	180	180	83	129	148	137	235	648	1440	160	139
7	160	180	180	83	127	146	139	235	725	1410	144	142
8	158	180	178	83	127	146	139	241	977	1310	135	139
9	160	180	172	83	129	144	139	246	1380	1240	135	144
10	160	180	180	83	129	139	137	266	1650	1190	135	144
11	160	178	180	83	129	139	137	289	1740	1180	137	137
12	168	180	180	83	129	137	172	286	1770	1090	137	135
13	175	180	182	130	129	137	208	269	1770	991	137	139
14	175	180	182	178	131	137	216	295	1790	850	137	146
15	178	180	182	178	129	135	219	307	1780	714	133	144
16	178	180	133	178	129	135	235	295	1790	592	148	146
17	178	180	80	178	127	131	224	289	1510	573	142	153
18	175	185	80	180	127	135	216	289	1270	499	131	153
19	175	182	79	180	131	135	211	289	1290	433	131	153
20	172	180	79	180	129	139	216	310	1290	374	133	153
21	172	180	79	180	129	144	219	289	1290	331	133	148
22	175	182	79	180	127	146	252	289	1270	278	135	148
23	195	180	86	180	127	137	272	286	1280	235	133	148
24	185	180	79	182	129	137	272	275	1240	206	131	144
25	182	180	79	190	127	148	283	280	944	188	133	144
26	182	180	80	190	127	146	233	269	612	175	137	146
27	182	180	80	188	127	139	227	272	649	162	146	146
28	182	180	80	185	129	139	219	272	503	158	146	146
29	182	178	80	185	---	139	219	301	341	155	144	146
30	182	178	80	185	---	137	216	328	512	165	144	142
31	188	---	82	185	---	137	---	322	---	162	144	---
TOTAL	5304	5418	4023	4408	3857	4319	5826	8601	31883	20825	4422	4316
MEAN	171	181	130	142	138	139	194	277	1063	672	143	144
MAX	195	188	182	190	188	148	283	328	1790	1440	170	153
MIN	146	178	79	83	127	131	133	227	301	155	131	135
AC-FT	10520	10750	7980	8740	7650	8570	11560	17060	63240	41310	8770	8560
CAL YR 1974	TOTAL	102878	MEAN 282	MAX 1110	MIN 79	AC-FT 204100						
WTR YR 1975	TOTAL	103202	MEAN 283	MAX 1790	MIN 79	AC-FT 204700						

10131000 Chalk Creek at Coalville, Utah

LOCATION.--Lat 40°55'14", long 111°24'03", in NW¼NE¼SE¼ sec.8, T.2 N., R.5 E., Summit County, on left bank 100 ft (30 m) downstream from bridge on U.S. Highway 189 in Coalville and 0.3 mile (0.5 km) upstream from mouth.

DRAINAGE AREA.--253 mi² (655 km²).

PERIOD OF RECORD.--November 1904, March to November 1905, April 1927 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5,560.6 ft (1,694.87 m) above mean sea level. Prior to Feb. 13, 1931, nonrecording gage at site 100 ft (30 m) upstream at different datum. Feb. 13, 1931 to Oct. 15, 1941, water-stage recorder at site 300 ft (91 m) upstream at different datum.

AVERAGE DISCHARGE.--48 years, 64.2 ft³/s (1.818 m³/s), 46,510 acre-ft/yr (57.3 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 866 ft³/s (24.5 m³/s) June 8 (gage height, 2.98 ft or 0.908 m); minimum, 5.2 ft³/s (0.15 m³/s) Dec. 8 and Mar. 29.

Period of record: Maximum discharge, 1,540 ft³/s (43.6 m³/s) Apr. 28, 1952 (gage height, 4.67 ft or 1.423 m); minimum, less than 1 ft³/s (0.028 m³/s) for several days in 1934.

REMARKS.--Records good except those for period of no gage height record, which are fair. Several diversions for irrigation above station, none below. Flow slightly affected by Chalk Creek Reservoir capacity, 1,600 acre-ft (1.97 hm³).

REVISIONS (WATER YEARS).--WSP 1564: 1929.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	28	23	21	23	24	35	54	517	242	41	23
2	13	28	20	20	22	30	35	62	575	239	40	26
3	13	28	26	20	22	34	35	70	615	236	39	28
4	14	27	33	20	22	28	35	90	571	262	37	31
5	15	25	31	21	22	32	35	72	560	252	36	31
6	18	25	28	22	19	38	35	67	611	249	36	30
7	18	25	26	22	21	37	35	65	660	245	36	30
8	17	25	8.6	23	22	37	35	70	798	239	36	35
9	16	25	13	22	22	38	35	82	668	229	35	38
10	15	25	20	23	22	34	35	95	487	210	35	40
11	15	25	21	23	22	35	36	130	405	190	35	47
12	15	25	25	21	18	31	38	216	423	170	35	54
13	15	25	25	23	25	30	40	160	464	160	37	57
14	15	27	24	23	23	32	41	252	506	145	35	57
15	15	30	24	23	21	26	41	355	513	125	30	55
16	15	29	26	23	21	29	41	409	491	115	25	55
17	15	27	22	23	20	26	41	457	402	105	22	50
18	15	27	23	23	16	30	41	487	431	95	23	47
19	15	29	25	22	20	35	41	491	413	85	21	47
20	15	29	25	21	25	43	42	615	384	78	24	45
21	20	26	25	22	15	43	45	402	405	73	28	44
22	25	25	21	18	17	43	50	317	398	69	33	43
23	25	31	18	21	22	34	55	338	348	64	30	43
24	25	30	17	23	22	34	62	296	338	61	31	44
25	25	25	21	25	21	38	75	391	352	57	34	44
26	24	30	23	29	21	38	67	346	313	55	29	43
27	23	30	23	23	24	30	62	402	283	52	29	41
28	23	28	23	22	23	25	56	384	269	49	34	43
29	23	28	23	16	---	23	52	380	252	47	35	41
30	25	29	22	21	---	31	50	449	245	45	32	38
31	28	---	21	24	---	34	---	502	---	43	23	---
TOTAL	570	816	705.6	683	593	1022	1326	8508	13697	4286	996	1250
MEAN	18.4	27.2	22.8	22.0	21.2	33.0	44.2	274	457	138	32.1	41.7
MAX	28	31	33	29	25	43	75	615	798	262	41	57
MIN	13	25	8.6	16	15	23	35	54	245	43	21	23
AC-FT	1130	1620	1400	1350	1180	2030	2630	16880	27170	8500	1980	2480

CAL YR 1974 TOTAL 39982.6 MEAN 110 MAX 1080 MIN 8.6 AC-FT 79310
WTR YR 1975 TOTAL 34452.6 MEAN 94.4 MAX 798 MIN 8.6 AC-FT 68340

PEAK DISCHARGE (BASE, 400 CFS).

DATE	TIME	G.H.	DISCHARGE
5-20	0800	2.55	677
6-8	1200	2.98	866
6-15	0600	2.27	567

NOTE.--No gage-height record Oct. 4 to Nov. 18, Apr. 1 to May 11, July 10 to Aug. 11.

WEBER RIVER BASIN

10131500 Echo Reservoir at Echo, Utah

LOCATION.--Lat 40°57'50", long 111°25'55", in NE¼NW¼SW¼ sec.30, T.3 N., R.5 E., Summit County, near outlet works at left end of Echo Dam on Weber River, 1.1 mile (1.8 km) southeast of Echo.

DRAINAGE AREA.--732 mi² (1,896 km²).

PERIOD OF RECORD.--October 1930 to current year.

GAGE.--Staff gage on left side of dam read once daily. Datum of gage is at mean sea level (levels by Bureau of Reclamation). Prior to 1932, elevations obtained from mercury gage in valve house and staff gage.

EXTREMES.--Current year: Maximum contents, 74,240 acre-ft (91.5 hm³) July 17, 18 (elevation, 5,560.2 ft or 1,694.75 m); minimum, 23,210 acre-ft (28.6 hm³) Oct. 4 (elevation, 5,516.0 ft or 1,681.28 m).

Period of record: Maximum contents, 75,280 acre-ft (92.9 hm³) June 8, 1964; no contents Sept. 12 to Dec. 3, 1931, Sept. 24 to Nov. 2, 1934, Oct. 12 to Nov. 21, 1944, Oct. 1 to Nov. 15, 1954, Sept. 11-20, 1961.

REMARKS.--Reservoir is formed by earthfill, rock-faced dam; storage began in October 1930; dam completed in 1931. Capacity, 73,940 acre-ft (91.2 hm³) between elevation 5,450 ft (1,661.2 m) (bottom of outlet tunnel) and 5,560 ft (1,694.7 m) (top of radial gages in spillway) above mean sea level. Dead storage negligible. Figures given herein represent total contents. Water is used for irrigation on the Echo project.

COOPERATION.--Capacity table furnished by Bureau of Reclamation.

Capacity table (elevation, in feet,
and usable contents, in acre-feet)

5,516	23,210	5,545	53,360
5,520	26,620	5,550	59,880
5,525	31,180	5,555	66,740
5,530	36,100	5,560	73,940
5,535	41,440	5,561	75,420
5,540	47,200		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23630	33690	45430	53490	62580	64780	65200	39680	43920	73060	68580	53360
2	23460	34180	45780	53620	62990	64780	64920	39470	45310	72470	68150	52860
3	23380	34580	46130	53870	63400	64780	64650	39250	46720	72470	67870	52480
4	23210	35080	46490	54000	63820	64780	64230	39250	48280	73650	67590	52100
5	23290	35490	46840	54120	64230	64780	63680	39250	49740	73650	67160	51850
6	23460	35800	47200	54250	64230	64780	63130	39250	51100	73360	66740	51480
7	23790	36200	47560	54380	64370	64920	62720	39140	52480	73650	66180	51100
8	24040	36620	47920	54640	64510	65060	62310	38720	54250	73800	65620	50610
9	24380	37030	48280	54890	64510	65200	61760	38080	56580	73940	65060	50110
10	24800	37450	48650	55020	64510	65340	61220	37240	59080	73940	64370	49740
11	25150	37870	49010	55150	64510	65480	60420	36620	60550	74090	63680	49380
12	25490	38180	49500	55280	64510	65620	59740	36620	62040	73940	62860	49130
13	25920	38610	49870	55410	64510	65620	59210	36410	63270	73940	62310	49010
14	26270	39040	50240	55670	64650	65760	58680	36100	64510	73940	61760	48650
15	26710	39360	50610	56060	64650	65900	57760	36200	65900	73940	61220	48400
16	27060	39680	50980	56450	64650	66040	56450	37030	67160	73940	60680	48040
17	27500	40010	51230	56970	64650	66180	55410	37970	68290	74240	60150	47680
18	27860	40440	51350	57230	64650	66180	54120	38930	69150	74240	59610	47440
19	28220	40880	51600	57760	64650	66180	52860	40010	69720	74090	59080	46960
20	28580	41220	51720	58020	64650	66460	51600	41220	70300	73940	58550	46610
21	29040	41550	51850	58410	64780	66460	50360	42670	70880	73800	58020	46010
22	29400	42000	52100	58810	64780	66460	49250	42780	71460	73500	57490	45660
23	29960	42330	52220	59080	64780	66600	48160	42780	71890	73060	57100	45310
24	30420	42670	52350	59480	64780	66460	47080	42550	72330	72620	56710	44960
25	30900	43240	52480	59880	64780	66460	46250	42000	72040	72180	56320	44500
26	31270	43580	52600	60280	64780	66600	45190	42000	72180	71600	55920	44150
27	31750	44040	52730	60680	64780	66460	44040	41770	72180	71020	55540	43810
28	32130	44380	52860	61090	64780	66180	42900	41660	72180	70440	55150	43460
29	32520	44730	52980	61490	---	65900	41660	41550	72920	69870	54640	43120
30	32910	45080	53110	61760	---	65620	40440	41550	73210	69440	54120	42780
31	33300	---	53360	62170	---	65340	---	42440	---	69010	53620	---
MAX	33300	45080	53360	62170	64780	66600	65200	42780	73210	74240	68580	53360
MIN	23210	33690	45430	53490	62580	64780	40440	36100	43920	69010	53620	42780
(†)	5,527.2	5,538.2	5,545.0	5,551.7	5,553.6	5,554.0	5,534.1	5,535.9	5,559.5	5,556.6	5,545.2	5,536.2
(‡)	+9,420	+11,780	+8,280	+8,810	+2,610	+560	-24,900	+2,000	+30,770	-4,200	-15,390	-10,840

CAL YR 1974. † +5,080
WTR YR 1975. ‡ +18,900

† Elevation, in feet, at end of month

‡ Change in contents, in acre-feet.

10132490 Lost Creek Reservoir near Croydon, Utah

LOCATION.--Lat 41°11'05", long 111°23'59", in NW¼SE¼NE¼ sec.8, T.5 N., R.5 E., Morgan County, 1.9 miles (3.1 km) upstream from Hell Canyon and 8.1 miles (13.0 km) northeast of Croydon.

DRAINAGE AREA.--123 mi² (319 km²).

PERIOD OF RECORD.--April 1967 to current year.

GAGE.--Indicating float tape gage in gage house on top of dam. Datum of gage is at mean sea level (levels by Bureau of Reclamation).

EXTREMES.--Current year: Maximum contents observed, 18,920 acre-ft (23.3 hm³) July 13 (elevation, 6,002.0 ft or 1,829.41 m); minimum contents observed, 10,120 acre-ft (12.5 hm³) May 12.

Period of record: Maximum contents, 20,820 acre-ft (25.7 hm³), May 12, 13, 18, 1969, June 7, 1972, May 19, 20, 1974 (elevation, 6,007.2 ft or 1,830.99 m). Minimum since original filling of reservoir, 8,670 acre-ft (10.7 hm³), Apr. 3, 1969.

REMARKS.--Reservoir is formed by earth-fill rock-faced dam; active storage began Apr. 22, 1967. Active capacity, 20,010 acre-ft (24.7 hm³) at elevation 6,005.0 ft (1,830.32 m) above mean sea level. Dead storage, 2,500 acre-ft (3.08 hm³) between elevation 5,835.0 (1,778.51 m) (streambed at dam axis) and 5,912.3 ft (1,802.07 m) (top of dead storage). Figures given herein represent active contents. Water is used for irrigation, fish and wildlife propagation along Lost Creek, and irrigation, municipal and industrial use below confluence of Lost Creek and Weber River.

COOPERATION.--Gage-height record and capacity table furnished by Bureau of Reclamation.

Capacity table (elevation, in feet,
and usable contents, in acre-feet)

5,973	10,020	5,990	14,890
5,975	10,540	5,995	16,510
5,980	11,910	6,000	18,220
5,985	13,350	6,002	18,920

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11740	11800	12050	---	---	---	---	11080	---	---	---	---
2	11740	11830	12050	---	---	---	---	---	12680	---	---	14610
3	11710	11830	12080	---	12650	12880	---	---	---	---	---	---
4	11710	11830	12080	---	---	---	---	---	13350	---	---	---
5	11690	11850	12080	---	---	---	---	10620	---	---	17450	---
6	11690	11850	12080	12310	---	---	---	---	14050	---	---	---
7	11660	11850	12080	---	---	---	13530	---	---	18640	17150	---
8	11660	11880	12110	---	---	---	---	10310	---	---	---	14020
9	11660	11880	12110	---	---	---	---	---	15150	---	---	---
10	11630	11910	12110	---	12650	---	---	---	---	18780	---	---
11	11630	11910	12110	---	---	---	---	---	---	---	16770	---
12	11630	11910	12110	---	---	---	---	10120	15820	---	---	---
13	11600	11910	12130	---	---	---	---	---	---	18920	---	---
14	11570	11940	12130	12420	---	---	12680	---	---	---	---	---
15	11570	11940	12130	---	---	---	---	10380	---	---	---	13410
16	11570	11970	12130	---	12700	---	---	10760	16510	---	---	---
17	11600	11970	---	---	---	13120	---	---	---	18850	---	---
18	11600	11970	---	---	---	---	---	---	---	---	16080	---
19	11600	11990	---	---	---	---	---	11880	16940	---	---	---
20	11600	---	---	12480	---	---	---	---	---	---	---	---
21	11630	---	---	---	---	---	12250	12590	---	18640	15790	---
22	11630	---	---	---	---	---	---	---	---	---	---	12970
23	11630	---	12190	---	---	---	---	12480	17520	---	---	---
24	11660	---	---	---	12820	---	---	---	---	---	---	---
25	11710	---	---	---	---	---	11940	---	17730	18500	15370	---
26	11710	---	---	---	---	---	---	12050	---	---	---	---
27	11710	---	---	12560	---	13350	---	---	17940	---	---	---
28	11740	---	---	---	12820	---	11630	---	---	18120	15110	---
29	11740	12050	---	---	---	---	---	11800	---	---	---	12560
30	11740	12050	---	---	---	---	11220	12160	18180	---	---	12510
31	11740	---	12250	12620	---	13410	---	12130	---	17840	14830	---
(†)	5,979.4	5,980.5	5,981.2	5,982.5	5,983.2	5,985.2	5,977.5	5,980.8	5,999.9	5,998.9	5,989.8	5,982.1
(‡)	-30	+310	+200	+370	+200	+590	-2,190	+910	+6,050	-340	-3,010	-2,320

CAL YR 1974. ‡ -1,100
WTR YR 1975. ‡ +740

† Elevation in feet, at end of month.
‡ Change in contents, in acre-feet.

10134000 East Canyon Reservoir near Morgan, Utah

LOCATION.--Lat 40 55'14", long 111 35'59", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.2 N., R.3 E., Morgan County, on upstream face of concrete dam on East Canyon Creek, 9.0 miles (14.5 km) southeast of Morgan.

DRAINAGE AREA.--155 mi² (401 km²), approximately.

PERIOD OF RECORD.--October 1931 to current year. October 1931 to September 1937, month-end contents only published in WSP 1314.

GAGE.--Elevations determined from direct readings on upstream face of dam on days shown. Datum of gage is at mean sea level, datum of 1929 (levels by Bureau of Reclamation). Prior to Oct. 1, 1953, staff gage at site 500 ft (150 m) east of dam and Oct. 1, 1953 to Sept. 30, 1964, tape gage on upstream face of dam then in use at different datum. Oct. 1, 1964 to Sept. 30, 1965, temporary reference marks at present datum set by Bureau of Reclamation.

EXTREMES.--Current year: Maximum contents observed, 49,010 acre-ft (60.4 hm³) June 21 (elevation, 5,706.3 ft or 1,739.28 m); minimum observed, 30,030 acre-ft (37.0 hm³) Oct. 5 (elevation, 5,674.9 ft or 1,729.71 m).

Period of record: Maximum contents observed, 49,010 acre-ft (60.4 hm³) June 21, 1975; no contents at times in 1931, 1934, 1937, 1946, 1954, 1961, 1965, 1966.

REMARKS.--Reservoir was formed in 1896 by a 58-ft (18 m) rockfill dam (capacity, 3,850 acre-ft or 4.75 hm³), which was raised 25 ft (7.6 m) in 1900 (capacity, 9,000 acre-ft or 11.1 hm³), raised 12 ft (3.7 m) more in 1902 (capacity, 14,000 acre-ft or 17.3 hm³), was replaced in 1917 by concrete dam which formed a reservoir having a capacity of 25,790 acre-ft (31.8 hm³) (revised), and was replaced in 1966 by present concrete thin-arch dam which forms a reservoir having an active capacity of 48,110 acre-ft (59.3 hm³) between elevation 5,577.0 (1,699.87 m) and 5,705.0 ft (1,738.88 m). Dead storage, 3,090 acre-ft (3.81 hm³). Figures given herein represent active contents. Water is used for irrigation in Morgan, Davis, and Weber Counties.

COOPERATION.--Capacity table furnished by Bureau of Reclamation.

REVISIONS.--WSP 1634: Drainage area.

Capacity table (elevation, in feet,
and usable contents, in acre-feet)

5,674	29,560	5,695	41,550
5,675	30,080	5,700	44,760
5,680	32,730	5,705	48,110
5,685	35,530	5,706	48,800
5,690	38,470	5,707	49,490

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	35820	37270	---	---	---	---	---	---
2	---	31500	---	---	---	---	---	---	---	---	47090	---
3	---	---	---	---	---	---	---	37820	---	---	---	---
4	---	---	---	34450	---	---	---	---	---	---	---	---
5	30030	---	---	---	---	---	39620	---	---	48660	---	---
6	---	---	---	---	---	---	---	---	48800	---	---	34330
7	---	---	33220	---	---	---	---	---	---	---	---	---
8	---	---	---	---	36170	37880	---	---	---	---	---	---
9	---	31820	---	---	---	---	---	---	---	---	45160	---
10	---	---	---	---	---	---	---	38230	---	---	---	---
11	---	---	---	34900	---	---	---	---	---	---	---	---
12	30440	---	---	---	---	---	38590	---	---	48520	---	---
13	---	---	---	---	---	---	---	---	---	---	---	32570
14	---	---	33610	---	---	---	---	---	48940	---	---	---
15	---	---	---	---	36690	38410	---	---	---	---	---	---
16	---	32190	---	---	---	---	---	---	---	---	42440	---
17	---	---	---	---	---	---	---	41860	---	---	---	---
18	30650	---	---	35190	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	37390	---	---	48460	---	---
20	---	---	---	---	---	---	---	---	---	---	---	31550
21	---	---	34050	---	---	---	---	---	49010	---	---	---
22	---	---	---	---	36980	38950	---	---	---	---	---	---
23	---	32570	---	---	---	---	---	---	---	---	39990	---
24	---	---	---	---	---	---	---	45620	---	---	---	---
25	31070	---	---	35530	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	38590	---	---	48110	---	---
27	---	---	---	---	---	---	---	---	---	---	---	31070
28	---	---	34220	---	37230	---	---	---	48730	---	---	---
29	---	---	---	---	---	39740	---	---	---	---	---	---
30	---	32780	---	---	---	---	38150	45620	48710	---	37040	31110
31	31390	---	34320	35780	---	39710	---	46070	---	47380	36650	---
(†)	---	5,680.1	---	---	---	---	---	---	---	---	---	---
(‡)	+1,660	+1,390	+1,540	+1,460	+1,450	+2,480	-1,560	+7,920	+2,640	-1,330	-10,730	-5,540

CAL YR 1974. ‡ -2,720

WTR YR 1975. ‡ +1,380

† Elevation, in feet, at end of month.

‡ Change in contents, in acre-feet.

a No gage-height reading; contents interpolated.

WEBER RIVER BASIN

213

10134500 East Canyon Creek near Morgan, Utah

LOCATION.--Lat 40°55'21", long 111°36'23", in SW¼NW¼ sec.10, T.2 N., R.3 E., Morgan County, on right bank 2,500 ft (762 m) downstream from East Canyon Dam, 2.4 miles (3.9 km) upstream from Sheep Canyon, and 8.7 miles (14.0 km) southeast of Morgan.

DRAINAGE AREA.--155 mi² (400 km²), approximately.

PERIOD OF RECORD.--October 1931 to current year. Monthly discharge only prior to October 1937, published in WSP 1314.

GAGE.--Water-stage recorder and Lyman rectangular weir. Altitude of gage is 5,460 ft (1,664 m) from river-profile map.

AVERAGE DISCHARGE.--44 years, 52.8 ft³/s (1.495 m³/s), 38,250 acre-ft/yr (47.2 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 380 ft³/s (10.8 m³/s) May 27 (gage height, 2.04 ft or 0.622 m); minimum daily, 5.9 ft³/s (0.17 m³/s) many days in Nov. and Dec.

Period of record: Maximum discharge, 872 ft³/s (24.7 m³/s) May 4, 1952 (gage height, 3.49 ft or 1.064 m); minimum daily, 0.2 ft³/s (0.057 m³/s) Dec. 19, 20, 1964.

REMARKS.--Records good except for period of no gage-height record, which are fair. No diversions between station and East Canyon Reservoir (see preceding page), which completely regulates flow.

REVISIONS.--WSP 1634: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	5.9	5.9	8.5	9.0	9.5	58	221	181	128	114	209
2	6.5	5.9	6.4	8.5	9.0	9.5	58	221	181	124	156	207
3	5.9	5.9	7.0	8.5	9.0	9.5	60	221	183	122	178	212
4	5.9	5.9	7.5	8.5	9.0	9.5	60	224	195	122	178	209
5	6.5	5.9	8.3	8.5	9.0	9.5	80	221	250	120	178	209
6	6.5	5.9	7.8	8.5	9.0	9.5	94	221	267	116	178	172
7	6.5	5.9	8.3	8.5	9.0	9.5	94	221	295	112	176	158
8	6.5	5.9	8.5	8.5	9.0	9.5	94	221	325	106	178	156
9	6.5	5.6	8.5	8.5	9.0	9.5	94	221	344	100	212	156
10	6.5	5.9	8.5	8.5	9.0	9.5	118	221	335	98	226	156
11	6.5	5.9	8.5	8.5	9.0	9.5	181	221	310	98	226	154
12	6.5	5.9	8.5	8.5	9.0	9.5	183	224	282	94	224	154
13	6.5	6.4	8.5	8.5	9.0	9.5	183	224	257	91	224	118
14	6.5	5.9	8.5	8.5	9.0	9.5	183	181	233	87	224	100
15	6.5	5.9	8.5	8.5	9.0	9.5	183	54	231	85	224	100
16	6.5	5.9	8.5	8.5	9.0	9.5	185	106	233	82	224	98
17	6.5	5.9	8.5	8.5	9.0	9.5	185	106	233	76	221	98
18	6.5	6.2	8.5	8.5	9.0	9.5	185	122	243	73	221	98
19	5.9	6.5	8.5	9.0	9.0	9.5	183	167	255	94	221	98
20	5.9	5.9	8.5	9.0	9.0	9.5	183	172	267	91	221	62
21	5.9	5.9	8.5	9.0	9.0	9.5	185	209	252	80	221	49
22	5.9	6.3	8.5	9.0	9.0	9.5	185	295	226	73	219	49
23	5.9	6.2	8.5	9.0	9.0	9.5	185	371	202	68	219	48
24	5.9	6.5	8.5	9.0	9.0	9.5	188	365	178	65	216	48
25	5.9	5.9	8.5	9.0	9.0	9.5	188	362	167	64	214	48
26	5.9	5.9	8.5	9.0	9.0	9.5	207	371	165	100	214	48
27	5.9	5.9	8.5	9.0	9.0	9.5	219	374	163	114	214	38
28	5.9	5.9	8.5	9.0	9.5	9.5	219	371	147	114	214	33
29	5.9	5.9	8.5	9.0	---	30	219	368	139	114	212	33
30	5.9	6.3	8.5	9.0	---	60	221	226	132	114	212	33
31	5.9	---	8.5	9.0	---	60	---	178	---	114	212	---
TOTAL	192.5	179.8	255.2	270.0	252.5	416.0	4660	7280	6871	3039	6371	3351
MEAN	6.21	5.99	8.23	8.71	9.02	13.4	155	235	229	98.0	206	112
MAX	6.5	6.5	8.5	9.0	9.5	60	221	374	344	128	226	212
MIN	5.9	5.6	5.9	8.5	9.0	9.5	58	54	132	64	114	33
AC-FT	382	357	506	536	501	825	9240	14440	13630	6030	12640	6650

CAL YR 1974 TOTAL 29170.7 MEAN 79.9 MAX 297 MIN 5.6 AC-FT 57860
WTR YR 1975 TOTAL 33138.0 MEAN 90.8 MAX 374 MIN 5.6 AC-FT 65730

NOTE.--No gage-height record Feb. 4 to Mar. 31.

WEBER RIVER BASIN

10136500 Weber River at Gateway, Utah

LOCATION.--Lat 41°08'13", long 111°49'54", in NE¼SW¼SW¼ sec.27, T.5 N., R.1 E., Morgan County, on left bank 400 ft (122 m) downstream from tailrace of Gateway power plant, 500 ft (152 m) upstream from Union Pacific Railroad bridge, 1,200 ft (366 m) downstream from Strawberry Creek, and 3,200 ft (975 m) east of section house at Gateway.

DRAINAGE AREA.--1,610 mi² (4,170 km²), approximately.

PERIOD OF RECORD.--November 1889 to June 1893, July to December 1893 (gage heights only), August 1894 to September 1899, August to November 1900, January to October 1901, April to June 1903 (gage heights and discharge measurements only), July to August 1919, August 1920 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Uinta" 1889-1903.

GAGE.--Water-stage recorder. Altitude of gage is 4,800 ft (1,463 m) by barometer. Oct. 13, 1889 to July 11, 1903, nonrecording gage at site 1.2 miles (1.9 km) downstream at different datum. June 22, 1919 to Oct. 22, 1929, water-stage recorder at site 900 ft (274 m) upstream at different datum. Oct. 22, 1929 to Nov. 27, 1964, at sites 1,300 ft (396 m) downstream at different datums.

EXTREMES.--Current year: Maximum discharge, 3,420 ft³/s (96.9 m³/s) May 20 (gage height, 6.46 ft or 1.969 m); minimum 45 ft³/s (1.27 m³/s) Oct. 14.
Period of record: Maximum discharge observed, 7,980 ft³/s (226 m³/s) May 31, 1896; minimum observed, 33 ft³/s (0.93 m³/s) Feb. 3, 1962.

REMARKS.--Records good. Many diversions for irrigation above and below station. Water diverted above station by Gateway Canal since July 1957, part of which returns to river above station through tailrace of Gateway hydroelectric power plant. Flow regulated by Rockport, Echo, Lost Creek, and East Canyon Reservoirs (see station 10129400, 10131500, 10132490, and 10134000). Records of chemical analysis for the water year 1975 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	263	155	100	84	110	267	646	1240	2560	1880	561	460
2	263	140	101	85	111	348	630	1240	2540	2100	545	476
3	264	130	106	85	111	431	636	1370	2490	1680	552	444
4	312	160	114	85	103	440	729	1650	2380	1120	529	425
5	274	172	122	83	112	432	834	1520	2440	1670	503	422
6	212	158	113	87	136	588	914	1480	2650	2040	494	424
7	140	151	112	85	168	658	877	1840	2680	1960	502	453
8	117	148	105	86	212	581	858	2180	2810	1910	486	472
9	135	152	95	82	237	589	837	2280	2640	1760	512	461
10	133	151	86	81	257	512	943	2490	2600	1700	522	468
11	116	151	85	81	247	454	1060	2610	2630	1710	597	489
12	108	150	94	81	242	423	1130	2530	2630	1690	592	472
13	106	148	94	81	247	397	1210	2390	2640	1570	556	470
14	69	145	93	81	268	396	1210	2630	2680	1490	532	471
15	74	148	93	80	281	368	1540	2740	2710	1200	514	462
16	103	147	92	79	276	375	1750	2900	2690	961	503	469
17	114	147	93	83	267	361	1660	2990	2590	888	505	468
18	110	156	96	87	254	355	1600	3120	2440	910	496	462
19	101	129	98	87	252	463	1580	3180	2540	875	491	466
20	99	141	103	84	268	689	1620	3270	2500	764	530	474
21	99	150	112	84	248	675	1660	2800	2690	674	559	462
22	91	156	111	68	234	660	1780	2700	2600	645	545	475
23	101	156	90	69	243	581	1830	2580	2490	586	504	471
24	108	155	81	81	249	536	1840	2630	2480	552	487	447
25	100	128	72	193	250	920	1910	2890	2610	522	497	433
26	102	122	71	209	252	926	1810	2780	2110	519	502	423
27	101	121	78	174	255	709	1760	2820	1940	503	471	407
28	102	107	86	138	261	660	1690	2730	1680	507	444	388
29	102	98	87	108	---	635	1660	2710	1280	494	475	399
30	114	97	83	108	---	678	1630	2900	1410	553	478	380
31	139	---	83	109	---	673	---	2660	---	568	465	---
TOTAL	4272	4269	2949	3008	6151	16780	39834	75850	73130	36001	15949	13493
MEAN	138	142	95.1	97.0	220	541	1328	2447	2438	1161	514	450
MAX	312	172	122	209	281	926	1910	3270	2810	2100	597	489
MIN	69	97	71	68	103	267	630	1240	1280	494	444	380
AC-FT	8470	8470	5850	5970	12200	33280	79010	150400	145100	71410	31630	26760
CAL YR 1974 TOTAL	261027			MEAN 715	MAX 2970	MIN 69	AC-FT 517700					
WTR YR 1975 TOTAL	291686			MEAN 799	MAX 3270	MIN 68	AC-FT 578600					

LOCATION.--Lat 41°16'07", long 111°40'24", in SE¼NW¼ sec.12, T.6 N., R.2 E., Weber County, on right bank 0.5 mile (0.8 km) downstream from Maggie Creek, 0.5 mile (0.8 km) upstream from Huntsville Mountain Canal, 5.0 miles (8.0 km) downstream from Causey Dam, and 5.0 miles (8.0 km) east of Huntsville.

PERIOD OF RECORD.--March 1921 to current year.

AVERAGE DISCHARGE.--54 years, 112 ft³/s (3.17 m³/s), 81,140 acre-ft/yr (100.0 hm³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 1,200 ft³/s (33.9 m³/s) May 24 (gage height, 4.76 ft or 1.451 m); minimum daily, 30 ft³/s (0.850 m³/s) Dec. 10.
Period of record: Maximum discharge, 1,890 ft³/s (53.5 m³/s) May 3, 1952 (gage height, 5.98 ft or 1.823 m); minimum, 13 ft³/s (0.37 m³/s) Dec. 16, 1965.

REMARKS.--Records good. One small diversion above station. Flow regulated by Causey Reservoir since Jan. 4, 1966.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	51	47	46	41	51	66	189	895	209	120	105
2	50	50	47	47	40	54	65	209	910	200	120	105
3	50	49	47	47	40	57	68	273	905	197	120	105
4	51	48	48	47	40	64	70	363	881	197	120	105
5	51	47	49	48	38	64	78	308	848	193	120	105
6	51	47	48	50	42	75	91	257	702	181	115	105
7	51	47	50	50	39	77	91	250	180	165	115	105
8	51	47	49	51	39	75	91	257	176	157	115	105
9	51	48	42	49	39	79	88	296	159	153	115	105
10	51	48	32	49	39	78	89	378	301	152	115	105
11	51	47	33	48	39	75	95	493	466	144	117	100
12	52	47	34	48	38	72	106	611	486	145	117	100
13	52	47	35	48	40	70	129	646	466	140	116	100
14	52	47	35	47	41	70	159	778	459	140	116	100
15	51	47	36	47	41	67	159	920	459	140	115	100
16	51	47	36	46	41	67	184	1010	426	140	115	95
17	51	47	38	46	41	64	191	1000	385	135	114	95
18	51	50	37	45	40	64	197	1010	375	135	117	95
19	51	49	38	45	42	73	195	980	330	135	120	95
20	49	48	40	44	44	96	200	848	305	135	118	95
21	47	48	40	44	43	94	213	723	369	135	113	90
22	46	51	40	43	45	93	257	791	357	135	110	90
23	48	50	41	43	48	85	289	935	342	135	109	90
24	48	48	41	44	47	79	313	1060	325	135	110	90
25	47	48	42	49	47	89	354	1010	313	135	110	90
26	47	48	42	49	46	86	313	895	292	130	110	88
27	47	47	43	45	46	78	283	761	269	125	110	87
28	47	47	43	44	48	73	230	580	252	125	110	87
29	47	47	44	44	---	70	197	592	234	125	110	87
30	51	47	45	43	---	70	189	690	220	125	110	87
31	52	---	45	42	---	68	---	822	---	125	110	---
TOTAL	1545	1439	1287	1438	1174	2277	5050	19935	13087	4623	3552	2911
MEAN	49.8	48.0	41.5	46.4	41.9	73.5	168	643	436	149	115	97.0
MAX	52	51	50	51	48	96	354	1060	910	209	120	105
MIN	46	47	32	42	38	51	65	189	159	125	109	87
AC-FT	3060	2850	2550	2850	2330	4520	10020	39540	25960	9170	7050	5770
CAL YR 1974	TOTAL	55004	MEAN 151	MAX 1000	MIN 32	AC-FT 109100						
WTR YR 1975	TOTAL	58318	MEAN 160	MAX 1060	MIN 32	AC-FT 115700						

WEBER RIVER BASIN

10139300 Wheeler Creek near Huntsville, Utah

LOCATION.--Lat 41°15'14", long 111°50'32", in SW¼NW¼SE¼ sec.16, T.6 N., R.1 E., Weber County, on right bank 150 ft (46 m) upstream from mouth, 150 ft (46 m) downstream from culvert under State Highway 39, 250 ft (76 m) downstream from Pine View Dam on Ogden River, 3.8 miles (6.1 km) west of Huntsville, and 7.2 miles (11.6 km) east of Ogden.

DRAINAGE AREA.--11.1 mi² (28.7 km²).

PERIOD OF RECORD.--October 1958 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 4,800 ft (1,463 m) from topographic map.

AVERAGE DISCHARGE.--17 years, 9.66 ft³/s (0.274 m³/s), 7,000 acre-ft/yr (8.63 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 226 ft³/s (6.40 m³/s) May 17 (gage height, 2.71 ft or 0.826 m); minimum, 0.61 ft³/s (0.017 m³/s) Dec. 9.

Period of record: Maximum discharge, about 400 ft³/s (11.3 m³/s) Dec. 24, 1964 (gage height, 3.58 ft or 1.091 m); no flow Dec. 5, 1962.

REMARKS.--Records good. Diverted flow around station, by City of Ogden pipeline, included in table below.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.0	1.2	1.3	.96	1.0	3.4	9.8	117	48	12	4.1
2	1.7	1.7	1.4	1.3	.90	1.5	3.1	16	103	45	11	4.1
3	1.8	1.7	1.7	1.3	.83	2.4	3.3	36	104	45	11	4.3
4	1.8	1.6	1.4	1.3	.84	2.7	3.5	46	101	45	10	4.2
5	1.7	1.6	1.5	1.4	.83	2.7	5.7	23	97	43	10	4.1
6	1.7	1.6	1.2	1.4	.85	8.6	7.0	16	112	43	9.4	4.0
7	1.7	1.6	1.2	1.3	.82	8.6	5.5	20	130	39	8.9	3.9
8	1.6	1.6	.96	1.4	.82	8.0	4.6	38	138	35	8.5	3.7
9	1.9	1.6	.78	1.3	.92	7.5	3.8	52	136	32	8.5	3.7
10	1.4	1.6	1.0	1.3	.98	5.3	3.5	70	124	31	8.3	3.8
11	1.0	1.5	1.1	1.2	.85	4.1	4.6	80	102	29	8.2	3.7
12	1.3	1.6	1.2	1.2	.82	3.5	7.3	57	95	26	8.2	3.5
13	1.7	1.5	1.2	1.2	.89	3.1	13	55	91	23	7.8	3.5
14	1.7	1.5	1.2	1.2	.91	3.1	12	73	102	22	7.5	3.5
15	1.3	1.5	1.2	1.2	.99	2.7	15	84	114	19	7.1	3.3
16	1.4	1.5	1.2	1.1	.98	2.7	21	87	106	18	6.8	3.3
17	1.7	1.5	1.2	1.1	.95	2.4	11	121	95	16	6.6	3.5
18	1.5	2.3	1.2	1.1	.93	3.0	8.4	104	84	14	6.4	3.3
19	1.1	1.8	1.2	1.0	.97	14	9.3	113	74	13	6.5	3.3
20	1.1	1.5	1.4	.99	1.1	25	11	97	60	12	6.3	3.3
21	2.3	1.5	1.7	.99	.98	14	20	82	84	11	6.2	3.2
22	2.0	1.9	1.4	1.3	.95	9.1	40	68	82	8.7	5.8	3.1
23	2.2	1.6	1.3	.99	.90	6.5	36	67	84	8.7	5.5	3.1
24	1.8	1.5	1.3	1.2	.90	5.1	39	86	74	7.7	5.3	3.0
25	1.7	1.5	1.3	3.0	.90	15	30	91	86	7.2	5.3	3.0
26	2.0	2.4	1.3	2.3	.90	11	17	90	64	6.1	5.1	3.0
27	2.0	1.3	1.2	1.8	.93	6.2	13	89	53	5.4	4.8	2.9
28	2.0	1.3	1.2	1.2	.95	4.8	9.1	93	52	9.5	4.6	2.9
29	2.0	1.0	1.2	6.8	---	4.3	7.5	104	52	13	4.5	2.7
30	1.9	1.1	1.2	1.1	---	4.2	7.3	113	52	13	4.4	2.6
31	2.1	---	1.3	.99	---	3.9	---	121	---	13	4.2	---
TOTAL	52.8	47.9	38.84	46.26	25.55	196.0	374.9	2201.8	2768	701.3	224.7	103.6
MEAN	1.70	1.60	1.25	1.49	.91	6.32	12.5	71.0	92.3	22.6	7.25	3.45
MAX	2.3	2.4	1.7	6.8	1.1	25	40	121	138	48	12	4.3
MIN	1.0	1.0	.78	.99	.82	1.0	3.1	9.8	52	5.4	4.2	2.6
AC-FT	105	95	77	92	51	389	744	4370	5490	1390	446	205
CAL YR 1974	TOTAL	4267.64	MEAN 11.7	MAX 55	MIN .78	AC-FT 8460						
WTR YR 1975	TOTAL	6781.65	MEAN 18.6	MAX 138	MIN .78	AC-FT 13450						

PEAK DISCHARGE (BASE, 40 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-3	2100	2.33	78	4-22	1800	2.29	84
5-10	1800	2.59	144	6-7	0300	2.19	159
5-17	1900	2.73	226	6-17	2300	2.18	127
5-31	1000	2.16	130	6-23	1500	2.45	190

10140800 Willard Bay Reservoir near Plain City, Utah

LOCATION.--Lat 41°21'17", long 112°04'24", in SE 1/4, SW 1/4, sec. 9, T. 7 N., R. 2 W., Box Elder County, on left bank of inlet channel 900 ft (274 m) downstream from pumping plant, 1.5 miles (2.4 km) west of the interchange on U.S. Highway 89 at Utah Hot Springs, and 3.4 miles (5.5 km) north of Plain City.

PERIOD OF RECORD.--December 1964 to current year.

GAGE.--Inclined staff gage in concrete on northeast edge of boat ramp, readings were made on days shown. Datum of gage is at mean sea level (levels by Bureau of Reclamation).

EXTREMES.--Current year: Maximum contents observed, 184,000 acre-ft (227 hm³) June 6 (elevation, 4,224.56 ft or 1,287.646 m); minimum contents observed, (153,400 acre-ft (189 hm³) Dec. 12 (elevation, 4,221.48 ft or 1,286.707 m).

Period of record: Maximum contents, 193,300 acre-ft (238 hm³) May 23-31, June 3-10, 12, 14, 15, 17, 1967, May 25, 1968; minimum observed contents since first year of storage, 70,600 acre-ft (87.1 hm³) Dec. 5, 1969 (elevation 4,213.01 ft or 1,284.125 m).

REMARKS.--Reservoir is formed by earth-fill dike between elevation 4,199.0 ft (1,279.855 m) (streambed at dam axis) and 4,235.0 ft (1,290.828 m) (crest of dam). Storage began Nov. 3, 1964 when reservoir was completed. Capacity, 193,300 acre-ft (238 hm³) between elevations 4,205.00 ft (1,281.684 m) (top of inactive storage) and 4,225.50 ft (1,287.932 m) (top of active storage) above mean sea level. Dead storage, 16,850 acre-ft (20.8 hm³). Figures given herein represent usable contents. Water is used for irrigation, recreation, and fish and wildlife propagation on the Weber Basin Project. This reservoir provides off-channel storage of water diverted from the Weber River 0.1 mile (0.2 km) downstream from the mouth of Ogden River, also water for irrigation will be pumped back to point of distribution through this same channel. Figures given represent usable storage.

COOPERATION.--Gage-height record and capacity table furnished by Bureau of Reclamation.

Capacity table (elevation, in feet,
and usable contents, in acre-feet)

4,221	148,700	4,224	178,400
4,223	168,500	4,225	188,300

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	178000	166800	---
2	---	---	153600	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	166700	---
5	---	---	---	---	---	---	---	160900	---	---	---	---
6	---	---	---	153800	---	---	---	170400	184000	---	---	---
7	---	---	---	---	---	---	158300	---	---	172300	---	---
8	---	---	---	---	---	---	---	---	---	---	---	159400
9	---	---	---	---	---	---	---	---	182600	---	---	---
10	---	---	---	---	154700	160600	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	157100	---	153400	---	---	---	---	---	182500	---	166000	---
13	---	---	---	154900	---	---	158200	---	---	---	---	---
14	---	154300	---	---	---	---	---	175700	---	170800	---	---
15	---	---	---	---	---	---	---	---	---	---	---	159200
16	---	---	---	---	---	---	---	---	181600	---	---	---
17	155600	---	---	---	---	156200	---	---	---	---	---	---
18	---	---	---	---	154700	---	---	---	---	---	164000	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	155000	---	---	---	182200	---	---	---	---
21	---	---	---	---	---	---	---	---	---	169600	---	---
22	154400	---	---	---	---	---	---	181400	---	---	---	158200
23	---	---	153600	---	---	---	---	181400	179900	---	---	---
24	---	---	---	---	155200	156400	---	---	---	---	---	---
25	---	154200	---	---	---	---	---	---	---	---	162300	---
26	---	---	---	---	---	---	---	---	---	168400	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	155100	155200	---	164100	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	156700
30	---	154200	---	---	---	---	164900	---	178000	---	---	156500
31	156200	---	153700	155100	---	157000	---	182600	---	167000	160700	---
(†)	4,221.76	4,221.56	4,221.51	4,221.65	4,221.66	4,221.84	4,222.64	4,224.42	4,223.96	4,222.85	4,222.22	4,221.79
(‡)	-3.7	-2.0	-0.5	+1.4	+0.1	+1.8	+7.9	+17.7	-4.6	-11.0	-6.3	-4.2

CAL YR 1974. ‡ -4,500

WTR YR 1975. ‡ -3,400

† Elevation, in feet, at end of month.

‡ Change in contents, in acre-feet.

WEBER RIVER BASIN

10141000 Weber River near Plain City, Utah

LOCATION.--Lat°41 16'42", long 112°05'28", in NW¼NW¼NE¼ sec.8, T.6 N., R.2 W., Weber County, on upstream end of right highway bridge pier, on State Highway 40, 0.9 mile (1.4 km) downstream from Fourmile Creek, 1.6 miles (2.6 km) south of Plain City, and 9.1 miles (14.6 km) upstream from mouth.

DRAINAGE AREA.--2,060 mi² (5,340 km²), approximately.

PERIOD OF RECORD.--January 1904 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 4,207.10 ft (1,282.324 m) above mean sea level. Prior to Aug. 29, 1949, nonrecording gage, at same site and datum, and Aug. 30, 1949 to June 22, 1966, water-stage recorder on right bank 50 ft (15 m) upstream at same datum.

AVERAGE DISCHARGE.--10 years (1966-75), 523 ft³/s (14.81 m³/s), 378,900 acre-ft/yr (467 hm³/yr) since completion of storage reservoirs listed in Remarks paragraph.

EXTREMES.--Current year: Maximum discharge, 3,600 ft³/s (102.0 m³/s) May 20 (gage height, 16.26 ft or 4.956 m); minimum, 82 ft³/s (2.322 m³/s) Aug. 14.

Period of record: Maximum discharge, 10,100 ft³/s (286 m³/s) May 6, 1952 (gage height, 19.01 ft or 5.794 m); practically no flow during latter part of several summers since 1915.

REMARKS.--Records good. Practically entire flow is generally diverted during summer months for irrigation above station. Flow regulated by Rockport, Echo, Lost Creek, East Canyon, and Pine View Reservoirs; also diversion above station to Willard Bay Reservoir (see stations 10129400, 10131500, 10132490, 10134000, and 10140800).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	324	156	240	384	415	749	1270	2510	914	118	104
2	103	240	160	251	377	434	719	1060	2380	1240	118	110
3	121	206	150	250	377	504	708	1110	2340	1170	118	132
4	252	185	149	251	370	542	749	1390	2270	789	118	150
5	277	217	244	268	370	533	807	1500	2290	952	115	107
6	240	210	199	300	382	635	956	1400	1990	1410	110	104
7	179	206	199	326	402	811	945	1750	2150	1420	121	132
8	125	205	193	338	442	702	901	2250	2110	1360	118	152
9	171	212	182	308	540	696	882	2580	1990	1240	126	149
10	185	199	226	286	626	734	966	3000	1780	1150	162	164
11	176	209	237	283	523	651	1280	2690	1760	1200	173	220
12	166	230	237	242	494	579	1530	2720	1730	1190	146	205
13	174	239	257	240	504	537	1840	2860	1680	1070	111	196
14	168	220	255	250	613	540	1920	2790	1710	1010	92	190
15	138	210	246	250	615	511	2030	3020	1750	797	96	167
16	183	242	253	272	566	498	2260	3140	1760	559	109	164
17	248	242	282	377	520	508	2150	3250	1780	429	101	151
18	420	291	273	402	448	486	2030	3350	1800	344	116	138
19	336	297	272	392	423	496	1940	3490	2010	376	152	140
20	323	217	293	377	440	683	1900	3560	2060	303	167	140
21	289	262	353	373	415	706	1910	3400	2340	230	170	154
22	157	291	337	349	388	700	2020	3180	2580	190	142	151
23	186	310	301	338	383	631	2160	3110	2360	170	122	165
24	260	280	244	364	389	568	2210	3090	2220	140	103	155
25	242	239	229	436	396	799	2350	3220	2070	120	114	149
26	227	211	231	542	392	1400	2400	3310	1870	118	132	148
27	222	199	231	486	407	950	2310	3280	1830	118	119	157
28	227	174	253	440	404	799	2190	3280	1110	118	109	140
29	235	176	283	394	---	704	1950	3110	723	118	119	140
30	213	159	261	368	---	708	1800	3150	606	118	131	157
31	383	---	253	384	---	715	---	2790	---	118	115	---
TOTAL	6748	6902	7439	10377	12590	20175	48562	83100	57559	20481	3863	4531
MEAN	218	230	240	335	450	651	1619	2681	1919	661	125	151
MAX	420	324	353	542	626	1400	2400	3560	2580	1420	173	220
MIN	103	159	149	240	370	415	708	1060	606	118	92	104
AC-FT	13380	13690	14760	20580	24970	40020	96320	164800	114200	40620	7660	8990

CAL YR 1974 TOTAL 245079 MEAN 671 MAX 3340 MIN 41 AC-FT 486100
WTR YR 1975 TOTAL 282327 MEAN 773 MAX 3560 MIN 92 AC-FT 560000

WEBER RIVER BASIN

219

10141050 South Fork Weber Canal near Hooper, Utah

LOCATION.--Lat 41°11'09", long 112°09'37", in SE¼NE¼ sec.10, T.5 N., R.3 W., Weber County, on right bank at diversion headgate, upstream from bridge and 2.4 miles (3.9 km) northwest of Hooper, Utah.

PERIOD OF RECORD.--October 1971 to current year. Partial records during irrigation season for period June 1960 to September 1971 are available in the Weber River Water Commissioner's Annual Report.

GAGE.--Water-stage recorder and submerged orifice control. Altitude of gage is 4,210 ft (1,283 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 65 ft³/s (1.84 m³/s) March 26 (gage height, 2.25 ft or 0.686 m); no flow for many days during January and February.

Period of record: Maximum discharge, 68 ft³/s (1.93 m³/s) Dec. 25, 1971 (gage height, 2.35 ft or 0.716 m); no flow for many days during winter.

REMARKS.--Records good. Many diversions above station. Flow regulated by Rockport, Echo, East Canyon, Pine View, and Willard Bay Reservoirs (see stations 10129400, 10131500, 10134000, 10139000, and 10140800).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	48	20	32		0	45	26	11	30	33	39
2	39	43	20	32		0	32	14	18	32	33	40
3	39	35	19	32		19	32	17	26	30	33	39
4	44	28	19	33		36	31	36	26	30	33	40
5	48	28	29	33		32	32	36	26	30	33	42
6	47	28	32	21		32	32	32	22	33	33	43
7	43	27	33	0		32	31	32	26	36	33	44
8	35	27	35	0		32	32	32	26	35	32	45
9	30	26	33	0		32	31	35	25	30	33	44
10	39	26	35	0		32	32	38	28	34	33	43
11	43	37	38	0		31	32	29	30	32	33	43
12	44	42	40	0		30	33	28	30	32	33	43
13	45	46	42	0		30	41	28	31	31	32	43
14	46	49	43	0		30	48	27	31	31	33	45
15	42	50	43	0		31	50	28	32	30	33	43
16	41	45	44	0		29	31	28	31	30	33	43
17	42	42	46	0		29	31	27	30	30	32	42
18	52	43	46	0		29	30	27	31	27	34	42
19	55	46	42	0		29	30	29	31	30	34	42
20	53	43	40	0		30	31	32	31	30	33	42
21	44	40	43	0		29	31	32	30	30	34	43
22	35	41	44	0		29	31	25	36	32	35	45
23	31	44	42	0		29	31	19	34	34	35	45
24	36	45	37	0		30	31	18	30	34	34	45
25	38	42	33	0		36	31	19	30	34	38	44
26	38	40	30	0		63	31	21	31	34	41	43
27	36	35	29	0		59	31	19	30	34	42	43
28	35	29	29	0		6.9	31	21	28	34	39	43
29	36	25	32	0	---	3.9	30	17	31	34	39	42
30	36	22	32	0	---	.20	30	15	31	34	39	44
31	45	---	33	0	---	13	---	15	---	33	40	---
TOTAL	1276	1122	1083	183	0	844.00	995	802	853	990	1075	1284
MEAN	41.2	37.4	34.9	5.90	0	27.2	33.2	25.9	28.4	31.9	34.7	42.8
MAX	55	50	46	33	0	63	50	38	36	36	42	45
MIN	30	22	19	0	0	0	30	14	11	27	32	39
AC-FT	2530	2230	2150	363	0	1670	1970	1590	1690	1960	2130	2550

CAL YR 1974 TOTAL 10155.62 MEAN 27.8 MAX 55 MIN 0 AC-FT 20140
WTR YR 1975 TOTAL 10507.00 MEAN 28.8 MAX 63 MIN 0 AC-FT 20840

WEBER RIVER BASIN

10141100 South Fork Weber River near Hooper, Utah

LOCATION.--Lat 41°10'56", long 112°10'10", in NW¼ sec.10, T.5 N., R.3 W., Weber County, on left bank 0.5 mile (0.8 km) below diversion headgates, 2.5 miles (4.0 km) upstream from mouth, and 2.6 miles (4.2 km) northwest of Hooper, Utah.

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,208 ft (1,283 m) from topographic map.

EXTREMES.--Current year: Maximum daily discharge, 2,620 ft³/s (74.2 m³/s) May 20; no flow for many days during the year.

Period of record: Maximum discharge, 2,640 ft³/s (74.8 m³/s) May 11, 1973 (gage height, 7.52 ft or 2.292 m); no flow many days each year.

REMARKS.--Records fair. Many diversions above station. Flow regulated by Rockport, Echo, East Canyon, Pine View, and Willard Bay Reservoirs (see stations 10129400, 10131500, 10134000, 10139000, and 10140800).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	11	0	0	343	420	481	1000	1670	600	24	0
2	0	1.2	0	0	337	425	432	788	1560	800	43	0
3	1.2	0	0	4.8	336	243	377	700	1520	780	0	10
4	30	0	17	8.4	335	235	388	718	1460	700	27	20
5	17	0	8.4	11	331	241	447	917	1480	640	0	40
6	2.4	3.6	2.4	179	318	303	549	880	1120	850	0	0
7	0	3.6	4.8	363	342	425	528	1150	1290	950	0	0
8	0	3.6	0	288	361	340	540	1480	1300	850	0	20
9	7.2	1.2	0	283	425	345	530	1750	1260	800	0	30
10	1.2	3.6	0	376	527	375	620	2130	1140	800	0	30
11	0	2.4	0	337	507	310	880	1820	1190	750	40	40
12	0	0	0	270	488	260	1090	1870	1130	800	54	90
13	0	0	38	328	485	230	1320	1990	1090	750	0	60
14	0	0	12	270	560	235	1300	1930	1090	600	0	30
15	0	0	11	261	547	225	1350	2150	1090	450	0	0
16	0	0	1.2	328	520	240	1360	2250	1080	300	0	0
17	0	0	23	357	504	255	1480	2350	1110	200	0	0
18	0	12	6.0	322	467	250	1510	2450	1130	100	0	0
19	0	11	14	321	424	260	1420	2600	1250	250	10	0
20	0	3.6	15	307	408	300	1420	2620	1310	250	50	0
21	26	1.2	28	306	396	328	1330	2460	1410	150	100	0
22	2.4	6.0	35	253	363	403	1400	2270	1580	95	100	0
23	0	3.6	2.4	296	358	375	1410	2210	1580	45	50	0
24	0	3.6	0	309	369	308	1480	2200	1530	35	25	0
25	0	7.2	6.0	338	371	274	1490	2330	1360	25	0	0
26	0	7.2	4.8	410	378	174	1580	2400	1240	20	28	0
27	0	0	4.8	397	396	619	1570	2370	1290	20	29	0
28	0	0	4.8	353	413	858	1570	2380	818	20	0	0
29	12	0	0	274	---	594	1450	2220	666	20	0	0
30	27	0	0	349	---	573	1280	2260	480	20	0	0
31	27	---	0	332	---	432	---	1920	---	30	20	---
TOTAL	155.8	85.6	238.6	8231.2	11609	10855	32582	58563	37224	12700	600	370
MEAN	5.03	2.85	7.70	266	415	350	1086	1889	1241	410	19.4	12.3
MAX	30	12	38	410	560	858	1580	2620	1670	950	100	90
MIN	0	0	0	0	318	174	377	700	480	20	0	0
AC-FT	309	170	473	16330	23030	21530	64630	116200	73830	25190	1190	734
CAL YR 1974 TOTAL	149206.20			MEAN 409	MAX 2040	MIN 0	AC-FT 296000					
WTR YR 1975 TOTAL	173214.20			MEAN 475	MAX 2620	MIN 0	AC-FT 343600					

WEBER RIVER BASIN

221

10141150 Middle Fork Weber River near Hooper, Utah

LOCATION.--Lat 41°12'48", long 112°09'36", in SW¼NW¼, sec.35, T.6 N., R.3 W., Weber County, on right bank upstream from bridge, 1.6 miles (2.6 km) upstream from mouth and 4.0 miles (6.4 km) northwest of Hooper, Utah.

PERIOD OF RECORD.--October 1971 to current year. Figures of daily discharge during the irrigation season were collected and published by the Weber River Water Commissioner from August 1960 to September 1971.

GAGE.--Digital water-stage recorder and submerged orifice control. Altitude of gage is 4,210 ft (1,283 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 190 ft³/s (5.38 m³/s) Mar. 26 (gage height, 2.34 ft or 0.713 m); no flow many days in January, February, and March.

Period of record: Maximum discharge, 190 ft³/s (5.38 m³/s) Mar. 26, 1975 (gage height, 2.34 ft or 0.713 m); no flow many days in January, February, and March.

REMARKS.--Records good. Many diversions above station. Flow regulated by Rockport, Echo, East Canyon, Pine View, and Willard Bay Reservoirs (see stations 10129400, 10131500, 10134000, 10139000, and 10140800).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	119	70	81		0	57	75	93	59	105	111
2	88	108	63	79		0	47	60	92	67	105	112
3	88	91	62	79		53	47	61	94	66	104	112
4	104	78	59	78		103	48	78	94	58	105	113
5	112	80	76	80		93	49	82	94	61	105	115
6	109	81	83	61		97	53	79	87	72	105	117
7	103	81	86	0		107	54	84	90	76	106	119
8	93	82	92	0		103	52	93	90	74	105	119
9	83	83	89	0		101	51	94	88	70	106	118
10	103	84	93	0		103	53	94	84	68	107	113
11	111	80	101	0		101	61	94	83	66	107	107
12	114	71	107	0		95	67	94	83	66	108	106
13	116	83	111	0		93	76	94	81	64	106	104
14	116	91	116	0		92	80	94	82	92	106	108
15	110	94	117	0		93	82	94	83	117	106	102
16	108	80	118	0		90	89	94	83	107	107	102
17	110	73	123	0		91	93	94	83	104	107	100
18	129	74	124	0		90	91	94	83	100	110	99
19	132	85	114	0		91	90	94	86	109	109	99
20	128	78	109	0		99	90	94	87	106	107	100
21	112	70	113	0		97	90	94	91	105	109	102
22	90	72	110	0		91	90	94	94	105	105	105
23	80	81	108	0		91	93	94	94	105	106	105
24	94	84	99	0		89	94	94	91	105	105	105
25	99	76	89	0		105	94	94	87	105	108	103
26	99	85	79	0		183	94	94	85	105	111	101
27	95	90	76	0		184	94	94	83	106	114	101
28	93	80	77	0		81	94	94	66	106	111	101
29	95	74	84	0	---	65	90	94	57	107	111	100
30	93	72	83	0	---	57	89	94	53	106	111	103
31	112	---	83	0	---	45	---	94	---	107	112	---
TOTAL	3208	2480	2914	458	0	2783	2252	2774	2541	2764	3329	3202
MEAN	103	82.7	94.0	14.8	0	89.8	75.1	89.5	84.7	89.2	107	107
MAX	132	119	124	81	0	184	94	94	94	117	114	119
MIN	80	70	59	0	0	0	47	60	53	58	104	99
AC-FT	6360	4920	5760	908	0	5520	4470	5500	5040	5480	6600	6350

CAL YR 1974 TOTAL 24564.20 MEAN 67.3 MAX 132 MIN 0 AC-FT 48720
WTR YR 1975 TOTAL 28705.00 MEAN 78.6 MAX 184 MIN 0 AC-FT 56940

WEBER RIVER BASIN

10141200 North Fork Weber River near Hooper, Utah

LOCATION.--Lat 41°13'18", long 112°10'48", in SE¼SE¼ sec.28, T.6 N., R.3 W., Weber County, on right bank 20 ft (6 m) upstream from concrete bridge, 3.5 miles (5.6 km) upstream from mouth, and 5.0 miles (8.0 km) northwest of Hooper, Utah.

PERIOD OF RECORD.--September 17, 1971 to current year.

GAGE.--Water-stage recorder with natural channel control. Altitude of gage is 4,202.91 ft (1,281.047 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 913 ft³/s (25.9 m³/s) May 21 (gage height, 6.01 ft or 1.832 m); minimum, 1.5 ft³/s (0.042 m³/s) Oct. 1.

Period of record: Maximum discharge, 1,030 ft³/s (29.2 m³/s) May 10, 1974 (maximum gage height, 6.01 ft or 1.832 m, May 21, 1975); no flow in July 1972.

REMARKS.--Records good. Many diversions above station. Flow regulated by Rockport, Echo, East Canyon, Pine View, and Willard Bay Reservoirs (see stations 10129400, 10131500, 10134000, 10139000, and 10140800). Records of chemical analysis will be published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	314	138	168	69	75	353	525	806	306	19	8.2
2	5.3	305	136	174	63	78	297	370	778	408	19	7.9
3	7.9	255	135	172	61	153	291	361	774	416	20	7.6
4	25	213	134	156	60	274	289	463	763	346	19	8.0
5	140	205	147	23	60	256	311	546	759	331	20	8.4
6	163	207	149	20	61	274	344	508	693	472	21	8.3
7	160	202	123	16	66	315	349	581	719	517	21	8.0
8	150	195	125	15	73	301	339	749	723	506	21	7.6
9	106	193	124	22	91	293	330	799	707	467	22	7.2
10	40	175	123	20	118	301	333	840	633	435	22	7.2
11	39	88	125	18	101	288	411	851	611	443	22	7.1
12	38	90	128	20	92	266	489	827	595	447	23	10
13	39	92	132	32	96	255	607	848	585	417	21	43
14	50	94	134	30	120	251	688	842	582	398	21	66
15	60	136	134	39	125	252	749	848	602	335	21	68
16	58	181	134	52	119	243	782	857	608	265	22	80
17	58	175	137	53	107	245	788	865	615	233	22	72
18	60	175	166	48	93	241	773	867	632	201	17	55
19	60	180	199	49	83	241	746	861	708	26	16	56
20	206	178	194	53	84	271	722	900	758	17	14	56
21	275	173	198	54	79	292	719	903	800	17	14	55
22	223	173	202	54	77	280	740	885	880	16	12	66
23	183	177	198	54	64	275	768	873	874	16	12	81
24	194	179	192	54	65	256	791	869	847	17	11	79
25	199	170	186	71	66	293	800	866	781	17	10	77
26	199	160	175	98	66	607	821	873	729	17	9.5	78
27	196	164	172	94	70	616	812	873	738	18	8.8	62
28	193	154	168	83	72	408	805	864	446	18	8.5	44
29	195	147	171	79	---	271	754	861	317	18	8.4	35
30	195	143	173	69	---	247	709	856	251	18	8.3	28
31	233	---	181	73	---	247	---	846	---	19	8.2	---
TOTAL	3752.7	5293	4833	1963	2301	8665	17710	23877	20314	7177	513.7	1196.5
MEAN	121	176	156	63.3	82.2	280	590	770	677	232	16.6	39.9
MAX	275	314	202	174	125	616	821	903	880	517	23	81
MIN	2.5	88	123	15	60	75	289	361	251	16	8.2	7.1
AC-FT	7440	10500	9590	3890	4560	17190	35130	47360	40290	14240	1020	2370
CAL YR 1974	TOTAL	84726.67	MEAN	232	MAX	1030	MIN	.87	AC-FT	168100		
WTR YR 1975	TOTAL	97595.90	MEAN	267	MAX	903	MIN	2.5	AC-FT	193600		

WEBER RIVER BASIN

223

10141400 Howard Slough at Hooper, Utah

LOCATION.--Lat 41°08'25", long 112°07'17", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.5 N., R.2 W., Davis County, on upstream end of left wingwall of bridge on State Highway 37, 1.5 miles (2.4 km) south of Hooper and 2.7 miles (4.3 km) upstream from mouth.

DRAINAGE AREA.--20.6 mi² (53.4 km²).

PERIOD OF RECORD.--October 1971 to current year. Records collected at this site by U.S. Bureau of Reclamation June 25, 1952 to September 30, 1955.

GAGE.--Water-stage recorder. Altitude of gage is 4,215 ft (1,285 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 241 ft³/s (6.83 m³/s) March 25 (gage height, 3.66 ft or 1.116 m); minimum, 5.4 ft³/s (0.15 m³/s) Oct. 14, 15.

Period of record: Maximum discharge, 241 ft³/s (6.83 m³/s) March 25, 1975 (gage height, 3.66 ft or 1.116 m); minimum, 4.8 ft³/s (0.14 m³/s) July 31, 1974.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	83	27	31	30	41	46	44	17	19	39	35
2	9.4	50	27	30	29	40	43	41	20	23	44	36
3	13	34	26	29	33	36	41	38	22	25	42	40
4	20	32	27	29	34	38	40	39	28	28	41	36
5	17	32	50	30	35	35	39	43	15	19	30	34
6	14	31	32	29	33	46	38	58	26	17	29	37
7	12	32	34	31	33	46	40	112	20	18	27	39
8	8.2	32	32	33	48	37	37	79	35	20	31	51
9	13	32	30	29	83	41	37	39	37	19	31	51
10	14	31	28	22	112	73	37	28	38	20	37	63
11	18	33	26	21	78	53	36	23	42	29	37	57
12	11	35	26	21	67	43	35	20	50	43	37	49
13	11	37	27	21	65	40	34	18	40	37	32	41
14	6.2	34	26	23	88	46	33	16	38	32	30	42
15	11	30	26	24	58	43	35	14	29	29	29	41
16	15	25	29	26	47	41	58	13	41	29	29	44
17	9.3	25	33	28	42	46	76	11	38	34	23	41
18	6.9	33	31	32	42	42	71	16	73	36	36	35
19	9.7	31	30	33	40	38	49	17	83	37	35	39
20	11	26	31	33	43	37	45	22	72	29	34	33
21	12	26	39	28	39	37	43	20	113	23	45	32
22	15	34	42	26	36	48	40	20	95	26	41	39
23	16	31	37	30	35	55	41	16	72	27	42	41
24	22	25	32	27	36	53	38	38	63	25	39	45
25	22	27	30	45	36	127	45	39	67	31	46	41
26	20	27	30	70	36	205	65	36	48	35	49	39
27	20	27	32	46	38	108	78	33	35	27	32	44
28	20	29	31	34	42	58	70	32	35	30	33	37
29	23	27	30	30	---	53	59	29	26	27	30	33
30	37	26	28	29	---	51	49	21	28	26	39	33
31	94	---	29	31	---	49	---	18	---	40	36	---
TOTAL	539.5	977	958	951	1338	1706	1398	993	1346	860	1105	1228
MEAN	17.4	32.6	30.9	30.7	47.8	55.0	46.6	32.0	44.9	27.7	35.6	40.9
MAX	94	83	50	70	112	205	78	112	113	43	49	63
MIN	6.2	25	26	21	29	35	33	11	15	17	23	32
AC-FT	1070	1940	1900	1890	2650	3380	2770	1970	2670	1710	2190	2440

CAL YR 1974 TOTAL 10518.9 MEAN 28.8 MAX 173 MIN 6.2 AC-FT 20860
WTR YR 1975 TOTAL 13399.5 MEAN 36.7 MAX 205 MIN 6.2 AC-FT 26580

PEAK DISCHARGE (BASE, 120 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
2-9	2400	2.65	144	5-7	0600	2.52	133
3-25	2100	3.66	241	6-21	1600	2.65	144

10143500 Centerville Creek above diversions, near Centerville, Utah

LOCATION.--Lat 40°54'59", long 111°51'44", in SW¼SW¼SE¼ sec.8, T.2 N., R.1 E., Davis County, on right bank 1.2 miles (1.9 km) east of Centerville.

DRAINAGE AREA.--3.15 mi² (8.16 km²).

PERIOD OF RECORD.--October 1949 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. V-notch sharp-crested weir since November 1960. Altitude of gage is 4,680 ft (1,426 m) from topographic map. Prior to Nov. 21, 1960, at site 250 ft (76 m) downstream at different datum.

AVERAGE DISCHARGE.--26 years, 3.01 ft³/s (0.085 m³/s), 2,180 acre-ft/yr (2.69 hm³/yr).

EXTREMES.--Current year: Maximum daily discharge, 35 ft³/s (0.99 m³/s) about May 20; minimum recorded, 1.4 ft³/s (0.040 m³/s) Jan. 8. Period of record: Maximum daily discharge, 35 ft³/s (0.99 m³/s) about May 20, 1975; minimum daily recorded, 0.5 ft³/s (0.014 m³/s) Mar. 16, 1955, and several days in 1961.

REMARKS.--Records good October through March 15, July 23 through September, and poor the remainder of the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	2.3	1.7	1.6	1.7	1.8	1.7	2.2	25	9.4	4.1	2.2
2	1.6	2.0	1.7	1.6	1.7	2.0	1.7	2.5	25	9.0	4.0	2.3
3	1.9	1.9	1.7	1.6	1.7	2.1	1.7	3.0	25	8.7	3.8	2.3
4	1.9	1.9	1.7	1.6	1.7	2.1	1.7	3.5	24	8.4	3.7	2.3
5	1.8	1.8	1.9	1.6	1.7	1.9	1.7	3.3	24	8.1	3.6	2.2
6	1.7	1.8	1.6	1.6	1.7	2.0	1.7	2.8	23	7.9	3.5	2.2
7	1.7	1.8	1.7	1.6	1.7	2.0	1.7	2.7	23	7.7	3.4	2.2
8	1.7	1.8	1.7	1.7	1.7	2.0	1.7	3.2	22	7.5	3.3	2.2
9	1.9	1.8	1.7	1.7	1.8	2.1	1.7	3.8	21	7.2	3.3	2.2
10	1.8	1.8	1.7	1.7	1.9	2.0	1.7	4.5	21	7.0	3.2	2.3
11	1.8	1.8	1.7	1.7	1.8	1.9	2.0	6.0	20	6.8	3.2	2.2
12	1.8	1.8	1.7	1.7	1.7	1.8	2.0	9.0	19	6.6	3.2	2.2
13	1.8	1.8	1.7	1.7	1.8	1.8	2.0	8.0	19	6.4	3.1	2.2
14	1.8	1.8	1.7	1.7	1.9	1.7	2.0	11	18	6.2	3.1	2.2
15	1.7	1.8	1.7	1.7	1.8	1.7	2.0	14	18	6.1	3.0	2.1
16	1.7	1.8	1.7	1.7	1.8	1.6	2.0	19	17	6.0	2.9	2.1
17	1.7	1.7	1.7	1.7	1.7	1.6	2.0	25	16	5.8	2.8	2.0
18	1.7	1.8	1.7	1.7	1.6	1.6	2.0	31	16	5.7	2.7	2.0
19	1.7	1.7	1.7	1.7	1.6	1.7	2.0	33	15	5.6	2.7	2.1
20	1.7	1.7	1.7	1.7	1.6	2.1	2.0	35	14	5.5	2.8	2.1
21	2.0	1.7	1.7	1.6	1.6	2.1	2.1	33	14	5.4	2.8	2.0
22	1.8	2.1	1.7	1.6	1.6	2.1	2.3	27	13	5.3	2.8	2.0
23	2.0	1.8	1.7	1.6	1.6	2.1	2.6	26	13	5.2	2.6	2.0
24	2.2	1.8	1.8	1.7	1.7	2.1	2.9	25	12	5.1	2.5	2.0
25	1.9	1.8	1.8	2.0	1.7	2.1	3.0	24	12	4.9	2.5	1.9
26	1.8	1.7	1.8	1.8	1.7	2.0	2.9	24	11	5.3	2.5	1.9
27	1.8	1.7	1.8	1.7	1.7	1.9	2.7	24	11	5.1	2.4	1.9
28	1.8	1.7	1.7	1.7	1.6	1.7	2.4	25	10	4.5	2.4	1.9
29	1.9	1.6	1.6	1.7	---	1.6	2.1	25	10	4.3	2.4	1.9
30	2.0	1.7	1.6	1.7	---	1.5	2.0	25	9.7	4.4	2.3	1.9
31	2.3	---	1.6	1.7	---	1.6	---	25	---	4.4	2.3	---
TOTAL	56.5	54.2	52.9	52.1	47.8	58.3	62.0	505.5	520.7	195.5	92.9	63.0
MEAN	1.82	1.81	1.71	1.68	1.71	1.88	2.07	16.3	17.4	6.31	3.00	2.10
MAX	2.3	2.3	1.9	2.0	1.9	2.1	3.0	35	25	9.4	4.1	2.3
MIN	1.6	1.6	1.6	1.6	1.6	1.5	1.7	2.2	9.7	4.3	2.3	1.9
AC-FT	112	108	105	103	95	116	123	1000	1030	388	184	125

CAL YR 1974 TOTAL 1819.7 MEAN 4.99 MAX 28 MIN 1.6 AC-FT 3610
WTR YR 1975 TOTAL 1761.4 MEAN 4.83 MAX 35 MIN 1.5 AC-FT 3490

NOTE.--No gage-height record Mar. 15 to June 11.

JORDAN RIVER BASIN

225

10146000 Salt Creek at Nephi, Utah

LOCATION.--Lat 39°42'47", long 111°48'13", in SE¼SW¼NE¼ sec.3, T.13 S., R.1 E., Juab County, on right bank 1.7 miles (2.7 km) east of Nephi.

DRAINAGE AREA.--95.5 mi² (247.3 km²).

PERIOD OF RECORD.--December 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,280.00 ft (1,609.344 m) above mean sea level. Dec. 2, 1950 to Nov. 7, 1952, at a site 0.5 mile (0.8 km) downstream at datum 31.96 ft (9.741 m) lower. Nov. 7, 1952 to Nov. 10, 1971, at a site 0.5 mile (0.8 km) downstream at datum 30.53 ft (9.306 m) lower.

AVERAGE DISCHARGE.--23 years, 26.6 ft³/s (0.753 m³/s), 19,270 acre-ft/yr (23.8 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 358 ft³/s (10.1 m³/s) May 20 (gage height, 3.44 ft or 1.05 m); maximum gage height, 3.75 ft or 1.14 m, from tree on control May 15; minimum, 4.0 ft³/s (0.11 m³/s) Jan. 12.
Period of record: Maximum discharge, 832 ft³/s (23.6 m³/s) Aug. 1, 1968 (gage height, 6.43 ft or 1.960 m, from floodmarks); minimum, 1.1 ft³/s (0.031 m³/s) Dec. 13, 1951, Dec. 11, 1961.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	8.9	7.9	8.8	8.0	9.4	11	24	146	91	29	13
2	7.8	8.5	7.9	7.6	8.0	9.4	11	25	154	93	26	13
3	8.6	8.4	7.8	7.2	8.0	9.4	11	30	162	93	26	14
4	8.7	8.2	8.0	8.0	8.0	9.4	11	36	150	87	25	14
5	8.7	8.2	8.4	8.0	8.0	8.9	11	41	146	93	25	13
6	8.5	8.1	8.0	8.5	8.0	11	12	37	152	91	25	13
7	8.3	8.0	8.1	8.5	8.0	10	12	33	158	93	23	13
8	8.3	8.2	7.8	8.5	8.0	10	12	31	142	93	24	14
9	9.5	8.0	7.7	8.0	8.9	10	12	37	127	89	22	15
10	8.6	8.0	7.7	8.0	9.4	11	12	40	114	96	22	15
11	8.5	8.0	7.6	7.6	8.5	11	12	62	103	80	22	14
12	8.6	8.0	7.6	8.1	8.5	10	13	68	105	72	22	13
13	8.4	8.0	8.0	7.6	8.5	10	13	70	114	58	22	16
14	8.4	8.0	8.0	8.0	8.9	10	14	135	135	56	21	15
15	8.4	8.0	8.5	8.0	8.5	9.4	14	148	140	62	21	14
16	8.4	8.0	8.0	8.0	8.5	10	15	153	133	59	20	14
17	8.1	8.0	8.0	8.0	8.0	10	15	171	122	52	20	14
18	8.1	8.0	8.0	8.0	8.0	10	16	184	107	47	20	14
19	8.0	8.0	8.0	8.0	8.0	10	15	194	100	44	19	14
20	8.1	8.0	8.0	8.0	8.5	11	15	264	91	42	20	14
21	8.2	8.0	8.0	8.0	8.0	11	18	177	77	41	20	14
22	8.4	8.6	8.0	8.0	7.6	12	21	137	70	40	20	13
23	8.4	8.1	8.8	8.0	8.0	11	21	127	72	38	19	13
24	8.2	8.0	8.1	8.0	8.0	11	22	123	84	36	17	13
25	8.0	8.0	8.1	8.5	8.5	13	29	129	93	33	17	13
26	8.0	8.1	8.4	8.5	8.5	13	29	125	80	32	16	12
27	8.0	8.1	8.1	8.5	8.5	11	29	148	77	32	15	12
28	8.1	8.0	7.6	8.5	9.4	11	26	125	87	32	15	12
29	8.1	7.9	8.0	8.0	---	11	25	118	91	35	14	13
30	8.3	7.9	8.0	8.0	---	11	24	122	91	33	14	13
31	9.3	---	7.6	8.0	---	11	---	137	---	32	14	---
TOTAL	259.3	243.2	235.7	246.4	232.7	325.4	501	3281	3423	1875	635	407
MEAN	8.35	8.11	7.60	7.95	8.31	10.5	16.7	106	114	60.5	20.5	13.6
MAX	9.5	8.9	8.5	8.5	9.4	13	29	264	162	96	29	16
MIN	7.8	7.9	5.1	6.1	7.6	8.9	11	24	70	32	14	12
AC-FT	514	482	468	459	462	646	994	6510	6790	3720	1260	807

CAL YR 1974 TOTAL 7413.5 MEAN 20.3 MAX 107 MIN 5.1 AC-FT 14700
WTR YR 1975 TOTAL 11665.2 MEAN 32.0 MAX 204 MIN 5.1 AC-FT 23140

PEAK DISCHARGE (BASE, 100 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-20	0500	3.44	358	6-15	0100	2.40	156
6-3	0100	2.53	181				

10148200 Tie Fork near Soldier Summit, Utah

LOCATION.--Lat 39°57'00", long 111°12'58", in NE¼SW¼ sec.14, T.10 S., R.6 E., Utah County, on right bank 230 ft (70 m) upstream from mouth and U.S. Highway 6-50, 250 ft (76 m) downstream from Denver & Rio Grande Western Railroad, 7.4 miles (11.9 km) west of Soldier Summit, and 15.2 miles (24.5 km) east of Thistle.

DRAINAGE AREA.--22.7 mi² (58.8 km²).

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder and artificial control. Altitude of gage is 6,120 ft (1,865 m) from topographic map.

AVERAGE DISCHARGE.--12 years, 5.23 ft³/s (0.148 m³/s), 3,780 acre-ft/yr (4.66 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 422 ft³/s (12.0 m³/s) July 16 (gage height, 4.92 ft or 1.500 m from high-water mark); minimum discharge recorded, 0.52 ft³/s (0.015 m³/s) Feb. 22.
Period of record: Maximum discharge, 422 ft³/s (12.0 m³/s) July 16, 1975 (gage height, 4.92 ft or 1.500 m from high-water mark) from rating curve extended above 26 ft³/s (0.736 m³/s) on basis of slope-area measurement; minimum discharge recorded, 0.2 ft³/s (0.006 m³/s) Nov. 17, Dec. 7, 1964.

REMARKS.--Records fair except those for winter period and period subsequent to May 6, which are poor. No diversion.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	3.7	3.2	2.5	2.5	2.6	3.3	4.6	32	12	9.0	7.0
2	3.3	3.5	3.4	2.5	2.5	2.5	3.3	4.6	31	12	9.0	7.0
3	3.3	3.5	3.4	2.5	2.5	2.4	3.3	4.8	29	12	9.0	7.0
4	3.4	3.6	3.4	2.5	2.5	2.4	3.3	5.3	27	12	9.0	7.0
5	3.5	3.5	3.3	2.5	2.5	2.4	3.1	5.5	25	12	9.0	7.0
6	3.4	3.5	3.2	2.5	2.5	2.6	3.1	5.6	24	12	8.0	6.0
7	3.3	3.4	3.2	2.5	2.5	2.5	3.1	5.5	23	12	8.0	6.0
8	3.1	3.3	2.7	2.5	2.5	2.6	3.1	5.5	22	11	8.0	6.0
9	3.3	3.3	2.5	2.5	2.5	2.7	3.3	5.5	21	11	8.0	6.0
10	3.4	3.3	3.1	2.5	2.5	2.6	3.3	6.0	20	11	8.0	6.0
11	3.4	3.3	2.5	2.5	2.5	2.6	3.3	6.0	19	11	8.0	7.0
12	3.4	3.3	2.5	2.5	2.4	2.6	3.2	6.5	18	11	8.0	6.5
13	3.3	3.3	2.5	2.5	2.5	2.8	3.3	7.5	18	11	8.0	6.0
14	3.3	3.3	2.5	2.5	2.5	2.7	3.4	9.0	17	11	8.0	7.0
15	3.3	3.3	2.5	2.5	2.4	2.8	3.6	10	17	11	8.0	6.0
16	3.3	3.4	2.5	2.5	2.5	2.8	3.7	11	16	30	8.0	5.5
17	3.3	3.4	2.5	2.5	2.4	2.9	3.8	13	16	15	8.0	5.5
18	3.3	3.5	2.5	2.5	2.6	2.8	3.7	15	15	12	8.0	5.5
19	3.3	3.6	2.5	2.5	2.9	2.9	3.7	20	15	11	8.0	5.5
20	3.3	3.5	2.5	2.5	2.6	2.8	3.8	25	15	11	8.0	5.5
21	3.4	3.6	2.5	2.5	2.2	2.9	4.0	26	15	10	9.0	5.5
22	3.4	3.6	2.5	2.5	2.5	3.1	4.4	25	14	10	10	5.0
23	3.9	3.6	2.5	2.5	3.0	3.3	4.6	22	14	10	9.0	5.0
24	3.5	3.6	2.5	2.5	4.3	4.7	4.9	21	14	10	8.0	5.0
25	3.4	3.4	2.5	2.5	2.6	3.2	5.1	21	13	10	7.0	5.0
26	3.5	3.4	2.5	2.5	2.6	3.2	5.0	21	13	9.0	7.0	5.0
27	3.5	3.5	2.5	2.5	2.4	3.0	4.9	22	13	9.0	7.0	5.0
28	3.5	3.5	2.5	2.5	2.4	3.3	4.9	24	13	9.0	7.0	5.0
29	3.7	3.0	2.5	2.5	---	3.3	4.7	28	13	9.0	7.0	5.0
30	3.6	3.1	2.5	2.5	---	3.3	4.6	31	12	9.0	7.0	5.0
31	3.8	---	2.5	2.5	---	3.3	---	32	---	9.0	7.0	---
TOTAL	105.7	102.8	83.9	77.5	72.3	89.6	114.8	448.9	554	355.0	250.0	175.5
MEAN	3.41	3.43	2.71	2.50	2.58	2.89	3.83	14.5	18.5	11.5	8.06	5.85
MAX	3.9	3.7	3.4	2.5	4.3	4.7	5.1	32	32	30	10	7.0
MIN	3.1	3.0	2.5	2.5	2.2	2.4	3.1	4.6	12	9.0	7.0	5.0
AC-FT	210	204	166	154	143	178	228	890	1100	704	496	348
CAL YR 1974	TOTAL	1960.0	MEAN 5.37	MAX 24	MIN 2.2	AC-FT 3890						
WTR YR 1975	TOTAL	2430.0	MEAN 6.66	MAX 32	MIN 2.2	AC-FT 4820						

PEAK DISCHARGE (BASE, 15 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
Unknown	--	2.15	34	7-16	--	4.92	422
"	--	2.49	40				

NOTE.--No gage-height record May 7-May 28; June 30-Sept. 30.

JORDAN RIVER BASIN

227

10150500 Spanish Fork at Castilla, Utah

LOCATION.--Lat 40°02'59", long 111°32'50", in SE¼NE¼NW¼ sec.12, T.9 S., R.3 E., Utah County, on right bank 600 ft (183 m) upstream from outlet of Cold Springs, 0.9 mile (1.4 km) upstream from diversion dam of Bureau of Reclamation, 1.5 miles (2.4 km) northwest of Castilla, and 2.8 miles (4.5 km) downstream from Diamond Fork.

DRAINAGE AREA.--670 mi² (1,735 km²), approximately.

PERIOD OF RECORD.--September 1889 to December 1890, April 1903 to November 1917, May 1919 to September 1925, January 1933 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Spanish Fork" 1889-90, 1903-08.

GAGE.--Water-stage recorder. Altitude of gage is 4,870 ft (1,484 m) from topographic map. Prior to May 3, 1919, nonrecording gages at various sites 1.5 miles (2.4 km) to 2.5 miles (4.0 km) downstream from present site at different datums below power canal, which began diverting late in 1908. May 3, 1919, to Apr. 14, 1920, nonrecording gage, Apr. 15, 1920, to Sept. 30, 1925, and Jan. 1, 1933, to Apr. 16, 1940, water-stage recorder, at present site upstream from power canal at datum 2.00 ft (0.610 m) lower.

AVERAGE DISCHARGE.--13 years (1890, 1903-14), 172 ft³/s (4.871 m³/s); 51 years (1914-17, 1919-25, 1933-75), 216 ft³/s (6.117 m³/s), 156,500 acre-ft/yr (193 hm³/yr); includes transmountain diversion.

EXTREMES.--Current year: Maximum discharge, 2,500 ft³/s (70.8 m³/s) May 20 (gage height, 9.70 ft or 2.957 m); minimum, 44 ft³/s (1.25 m³/s) Feb. 22.

Period of record: Maximum discharge, 3,610 ft³/s (102 m³/s) May 3, 1952 (gage height, 9.83 ft or 2.996 m); minimum, 5.8 ft³/s (0.16 m³/s) Dec. 18, 1964.

REMARKS.--Records good, except those for period of no gage-height record, which are fair. Several small diversions for irrigation above station. Flow since June 1915 includes water diverted from Strawberry Reservoir, capacity 270,000 acre-ft (333 hm³), in Colorado River basin via Strawberry tunnel for irrigation in vicinity of Spanish Fork.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	202	109	78	72	82	85	101	131	1600	501	295	308
2	230	104	80	76	79	92	96	134	1690	551	261	316
3	232	99	81	72	84	95	99	161	1760	606	254	352
4	233	100	91	74	83	93	104	233	1660	620	277	356
5	223	97	91	78	82	92	113	194	1510	577	334	336
6	136	97	86	81	70	104	117	167	1480	559	389	320
7	100	95	85	83	83	109	112	164	1510	549	407	280
8	97	96	76	86	81	109	107	173	1490	572	403	264
9	96	98	65	83	81	118	105	191	1250	685	428	264
10	93	95	65	82	88	115	104	224	931	648	462	260
11	93	94	70	83	82	113	107	312	716	648	497	264
12	95	94	80	72	79	107	109	395	590	578	528	264
13	97	94	82	73	82	100	112	352	567	554	522	254
14	97	92	79	78	84	100	116	494	525	553	524	236
15	95	90	83	80	82	98	120	674	458	500	508	212
16	95	88	88	81	82	103	132	775	429	459	506	212
17	94	88	86	81	79	100	128	830	386	398	497	206
18	92	90	80	81	75	96	128	880	361	345	507	200
19	92	91	85	80	73	101	122	1120	354	354	512	200
20	90	86	88	79	86	122	125	1970	328	362	470	188
21	90	89	88	82	73	121	143	1150	310	422	470	182
22	92	94	86	72	61	117	167	870	285	447	475	192
23	101	90	64	77	78	103	188	746	255	441	368	200
24	97	84	58	83	75	101	191	674	238	441	344	218
25	95	89	57	89	83	115	215	940	222	435	328	236
26	94	87	65	89	83	135	173	960	217	430	336	254
27	94	84	69	86	84	104	158	1210	207	422	348	268
28	98	90	78	84	82	97	149	1210	195	385	360	272
29	99	80	81	67	---	95	140	1250	251	354	356	247
30	97	74	78	74	---	100	131	1260	361	357	328	227
31	111	---	78	85	---	108	---	1430	---	325	320	---
TOTAL	3650	2758	2421	2463	2236	3248	3912	21274	22136	15078	12614	7588
MEAN	118	91.9	78.1	79.5	79.9	105	130	686	738	486	407	253
MAX	233	109	91	89	88	135	215	1970	1760	685	528	356
MIN	90	74	57	67	61	85	96	131	195	325	254	182
AC-FT	7240	5470	4800	4890	4440	6440	7760	42200	43910	29910	25020	15050
CAL YR 1974	TOTAL	90694	MEAN 248	MAX 852	MIN 51	AC-FT 179900						
WTR YR 1975	TOTAL	99378	MEAN 272	MAX 1970	MIN 57	AC-FT 197100						

JORDAN RIVER BASIN

10152000 Spanish Fork near Lake Shore, Utah

LOCATION.--Lat 40°09'30", long 111°43'50", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.7 S., R.2 E., Utah County, on left bank 1.1 mile (1.8 km) upstream from mouth and 2.5 miles (4.0 km) north of Lake Shore.

DRAINAGE AREA.--700 mi² (1,810 km²), approximately.

PERIOD OF RECORD.--December 1903 to September 1907, March 1909 to December 1919, May 1920 to September 1925, January 1938 to current year. Published as "at Lake Shore" 1909, 1913-25.

GAGE.--Water-stage recorder. Altitude of gage is 4,500 ft (1,372 m) from topographic map. Prior to Jan. 23, 1938, nonrecording gages at several sites about 3 miles (5 km) upstream at various datums. Jan. 23, 1938 to Mar. 23, 1953, water-stage recorder at present site at different datums. Mar. 24, 1953 to Sept. 15, 1957, water-stage recorder at present site at datum 4.0 ft (1.22 m) higher.

AVERAGE DISCHARGE.--55 years (1904-07, 1909-19, 1920-25, 1938-75) 85.4 ft³/s (2.42 m³/s), 61,870 acre-ft/yr (76.3 hm³/yr).

EXTREMES.--Current year: Maximum daily discharge, 1,350 ft³/s (38.2 m³/s) June 3; minimum, 1.4 ft³/s (0.040 m³/s) many days. Period of record: Maximum discharge observed, 3,020 ft³/s (85.5 m³/s) Apr. 28, 1952; no flow at times.

REMARKS.--Records fair. Flow regulated by many diversions for irrigation and hydro-electric powerplant. During latter part of irrigation season, only wasted and return waters pass gage. Station is below all diversions. Discharge includes that of overflow canal constructed in winter of 1947-48, which diverts part of high flow from river about 1 mile (2 km) above gage (no flow in canal this year).

REVISIONS(WATER YEARS).--WSP 1314: 1904.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	86	86	96	105	108	124	156	1050	52	14	1.6
2	3.1	86	83	90	102	114	115	160	1200	45	11	1.6
3	10	91	87	90	107	117	119	184	1350	41	11	1.4
4	50	99	93	93	109	118	119	263	1300	44	9.5	1.4
5	40	98	98	95	104	115	128	245	1150	39	9.0	1.4
6	58	97	95	98	95	123	143	213	1150	36	8.1	1.4
7	65	97	91	100	104	136	131	178	1150	37	10	1.4
8	66	97	89	101	106	134	127	176	1150	36	9.0	1.4
9	64	97	78	103	104	143	124	208	800	33	6.2	2.4
10	64	97	74	103	112	143	122	238	570	43	6.6	1.8
11	61	97	78	103	113	138	126	320	444	37	6.1	40
12	64	96	86	90	106	129	128	440	351	32	6.4	33
13	63	97	89	88	110	122	129	359	296	31	7.9	33
14	63	97	89	90	113	118	138	446	268	33	4.5	26
15	67	96	90	95	117	119	141	541	243	33	4.5	27
16	72	95	92	100	115	122	156	536	188	27	4.1	31
17	61	92	97	103	111	124	161	445	138	37	3.7	48
18	65	93	93	105	107	118	149	428	110	35	3.8	39
19	67	95	93	104	100	121	143	528	171	27	3.7	51
20	72	93	95	104	117	141	142	1080	275	27	2.4	46
21	73	95	98	101	101	146	152	1020	309	23	2.5	48
22	75	99	96	96	89	142	183	852	313	23	6.5	43
23	80	101	80	97	99	130	202	705	292	22	6.3	44
24	85	93	70	101	104	125	213	611	268	22	3.1	46
25	81	94	70	107	107	132	236	704	238	20	2.0	49
26	80	97	75	111	107	163	205	688	198	20	2.0	35
27	83	91	82	108	110	129	180	755	159	18	1.8	31
28	87	98	88	104	107	118	176	900	109	17	1.7	29
29	86	92	94	98	---	115	168	900	49	15	1.7	34
30	86	83	92	102	---	121	153	900	45	18	1.4	36
31	86	---	92	105	---	131	---	900	---	16	1.4	---
TOTAL	1940.2	2839	2713	3081	2981	3955	4533	16079	15334	939	172.4	784.8
MEAN	63.9	94.6	87.5	99.4	106	128	151	519	511	30.3	5.56	26.2
MAX	87	101	98	111	117	163	236	1080	1350	52	14	51
MIN	3.1	83	70	88	89	108	115	156	45	15	1.4	1.4
AC-FT	3930	5630	5380	6110	5910	7840	8990	31890	30410	1860	342	1560
CAL YR 1974	TOTAL	34824.65	MEAN	95.4	MAX	462	MIN	.95	AC-FT	69070		
WTR YR 1975	TOTAL	55391.40	MEAN	152	MAX	1350	MIN	1.4	AC-FT	109900		

JORDAN RIVER BASIN

229

10153800 North Fork Provo River near Kamas, Utah

LOCATION.--Lat 40°35'48", long 111°05'48", in SE¼ sec.36, T.2 S., R.7 E., Summit County, on right bank 500 ft (152 m) upstream from bridge on State Highway 150, 1,500 ft (457 m) upstream from mouth, and 9.5 miles (15.3 km) southeast of Kamas.

DRAINAGE AREA.--25 mi² (65 km²), approximately.

PERIOD OF RECORD.--August 1963 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,480 ft (2,280 m) from topographic map.

AVERAGE DISCHARGE.--12 years, 42.5 ft³/s (1.204 m³/s), 30,790 acre-ft/yr (38.0 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 705 ft³/s (20.0 m³/s) July 4 (gage height, 3.00 ft or 0.914 m); minimum, 3.1 ft³/s (0.088 m³/s) Nov. 27.

Period of record: Maximum discharge, 705 ft³/s (20.0 m³/s) July 4, 1975 (gage height, 3.00 ft or 0.914 m); minimum recorded, 1.9 ft³/s (0.054 m³/s) several days during winter of 1964-65.

REMARKS.--Records good. Slight regulation from several small reservoirs at headwaters used for storing water for release during the summer and fall. No diversions above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	5.8	4.5	4.4	4.4	5.1	4.8	8.9	231	299	56	19
2	3.7	5.6	4.8	4.3	4.2	5.8	4.7	10	273	277	54	18
3	4.2	5.4	5.1	4.3	4.2	5.1	4.7	16	277	247	51	17
4	5.4	5.4	5.1	4.3	4.2	4.8	4.8	21	244	286	49	16
5	5.6	6.2	4.7	4.3	4.5	4.9	4.9	17	293	366	47	15
6	5.2	5.6	4.6	4.4	4.4	4.8	5.1	14	385	330	46	14
7	4.8	5.9	4.5	4.6	4.5	5.2	4.9	13	422	300	45	14
8	4.2	5.6	4.5	4.2	4.5	5.1	5.0	13	515	270	45	14
9	4.7	4.9	4.5	4.6	4.5	5.1	5.2	16	331	250	43	14
10	4.6	4.9	4.5	5.1	4.4	5.0	5.0	26	207	230	42	14
11	4.4	5.0	4.6	4.8	4.7	4.7	4.9	42	201	210	41	14
12	4.2	5.0	4.7	4.7	4.9	4.7	5.2	45	259	190	40	14
13	4.2	4.9	4.7	4.6	4.8	4.7	5.5	43	357	180	39	14
14	3.9	5.0	4.7	4.4	4.7	4.6	5.6	69	487	160	39	17
15	3.9	4.5	4.7	4.3	4.5	4.6	5.4	99	496	150	37	14
16	3.9	5.2	4.7	4.3	4.5	4.7	5.5	114	435	140	35	13
17	3.8	6.0	4.7	4.3	4.5	4.6	5.5	135	328	130	34	12
18	3.8	4.8	4.7	4.3	4.3	4.6	5.4	166	260	125	34	11
19	3.8	4.9	4.7	4.2	4.7	4.9	5.9	182	176	120	33	11
20	3.8	5.0	4.8	4.2	4.7	5.0	6.4	173	148	110	33	10
21	4.3	5.6	4.8	4.3	4.7	4.8	7.9	125	136	107	33	10
22	4.3	5.2	5.0	4.2	4.6	4.9	9.8	100	129	99	33	10
23	6.0	5.2	4.9	4.2	4.6	5.2	9.8	85	149	90	30	9.6
24	5.6	5.5	4.8	4.3	4.5	5.0	11	85	207	84	29	9.3
25	5.0	5.6	4.7	4.3	4.6	5.0	14	95	242	80	28	9.0
26	4.7	5.4	4.6	4.2	4.6	4.9	11	97	177	75	27	9.0
27	4.6	4.8	4.5	4.5	4.5	4.9	10	102	229	72	26	8.7
28	4.6	4.8	4.5	4.9	4.5	4.8	9.1	100	276	68	25	8.7
29	5.0	4.2	4.6	4.6	---	5.4	8.8	112	294	65	24	8.4
30	5.0	4.2	4.5	4.4	---	5.3	9.6	140	303	62	22	8.1
31	5.4	---	4.5	4.3	---	4.9	---	180	---	58	20	---
TOTAL	140.3	156.1	145.2	136.8	126.7	153.1	205.4	2443.9	8467	5230	1140	375.8
MEAN	4.53	5.20	4.68	4.41	4.53	4.94	6.85	78.8	282	169	36.8	12.5
MAX	6.0	6.2	5.1	5.1	4.9	5.8	14	182	515	366	56	19
MIN	3.7	4.2	4.5	4.2	4.2	4.6	4.7	8.9	129	58	20	8.1
AC-FT	278	310	288	271	251	304	407	4850	16790	10370	2260	745

CAL YR 1974 TOTAL 15484.0 MEAN 42.4 MAX 391 MIN 3.7 AC-FT 30710
WTR YR 1975 TOTAL 18720.3 MEAN 51.3 MAX 515 MIN 3.7 AC-FT 37130

PEAK DISCHARGE (BASE, 200 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-19	2200	1.97	236	6-14	2200	3.02	700
6-8	0100	2.98	675	7-4	2200	3.00	705

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LOCATION.--Lat 40°36'03", long 111°21'35", in SW¼NE¼SE¼ sec.34, T.2 S., R.5 E., Wasatch County, on right bank 3 miles (5 km) upstream from Ross Creek and Hailstone.

PERIOD OF RECORD.--October 1949 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,100 ft (1,859 m) from river-profile map. Prior to Nov. 20, 1964 at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--22 years (1954-74) 296 ft³/s (8.383 m³/s), 214,500 acre-ft/yr (264 hm³/yr), since completion of Duchesne Tunnel.

EXTREMES.--Current year: Maximum discharge, 2,720 ft³/s (77.0 m³/s) June 8 (gage height, 7.92 ft or 2.414 m); minimum, 56 ft³/s (1.586 m³/s) Oct. 1-2.

Period of record: Maximum discharge, 3,880 ft³/s (109.9 m³/s) June 4, 1957 (gage height, 7.28 ft or 2.219 m, datum then in use); minimum, 11 ft³/s (0.312 m³/s) Aug. 20, 1960.

REMARKS.--Records good except those for winter periods, which are fair. Records include flow of Weber-Provo diversion canal and Duchesne Tunnel, a transmountain diversion. Flow also affected by irrigation diversions above station and by storage in several small reservoirs at headwaters. Information on flow of Weber-Provo Diversion Canal, Duchesne Tunnel, and capacities of small reservoirs--total capacity, 10,080 acre-ft (12.4 km^3)--is available from Provo River Water Commissioners Report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	112	103	102	110	107	127	179	1950	1290	361	93
2	57	108	106	100	112	115	126	193	2290	1300	328	96
3	59	101	111	99	112	119	132	234	2300	1220	306	95
4	69	94	108	100	111	114	138	316	2100	1220	285	93
5	83	87	107	103	110	114	137	281	1720	1500	257	91
6	81	96	103	105	95	125	137	238	2220	1260	238	89
7	74	92	102	110	110	122	135	220	2220	1130	215	87
8	72	96	95	104	110	124	134	209	2370	1040	208	87
9	75	99	97	96	110	128	132	241	2210	976	205	96
10	72	94	97	102	110	125	130	313	1600	984	195	104
11	70	89	100	102	110	128	133	421	1420	936	188	106
12	69	96	105	96	110	123	137	509	1580	824	188	114
13	72	103	109	103	105	121	140	407	1820	758	198	123
14	71	97	111	110	105	128	147	623	2120	723	185	140
15	72	99	112	110	105	122	155	984	2200	688	175	157
16	71	92	113	110	104	125	155	1160	2160	628	169	142
17	76	90	113	110	103	123	153	1440	1860	674	160	132
18	82	106	113	106	101	129	150	1630	1620	577	157	123
19	82	105	113	103	99	138	152	1860	1340	529	157	112
20	84	87	111	100	101	157	165	2010	1180	436	163	102
21	90	99	109	90	102	156	180	1560	1090	395	166	100
22	92	110	104	100	100	145	190	1400	984	452	172	98
23	122	101	88	104	103	131	200	1280	960	628	145	95
24	124	96	89	105	111	143	220	1180	1110	535	135	91
25	112	103	95	105	117	153	268	1370	1370	484	132	89
26	106	102	99	105	114	148	232	1250	1090	441	120	87
27	103	96	102	105	106	128	208	1390	1120	430	116	86
28	97	105	105	104	104	118	198	1240	1250	410	116	87
29	99	91	108	92	---	118	182	1260	1270	410	110	86
30	103	96	107	102	---	133	169	1420	1300	420	102	84
31	106	---	104	110	---	144	---	1760	---	385	95	---
TOTAL	2602	2942	3239	3193	2990	4004	4862	28578	49824	23683	5747	3085
MEAN	83.9	98.1	104	103	107	129	162	922	1661	764	185	103
MAX	124	112	113	110	117	157	268	2010	2370	1500	361	157
MIN	57	87	88	90	95	107	126	179	960	385	95	84
AC-FT	5160	5840	6420	6330	5930	7940	9640	56680	98830	46980	11400	6120
CAL YR 1974	TOTAL	113952	MEAN 312	MAX 2370	MIN 55	AC-FT 226000						
WTR YR 1975	TOTAL	134749	MEAN 369	MAX 2370	MIN 57	AC-FT 267300						

10163000 Provo River at Provo, Utah

LOCATION.--Lat 40°14'16", long 111°41'55", in NE¼NW¼SE¼ sec.3, T.7 S., R.2 E., Utah County, on left bank 1,300 ft (396 m) downstream from bridge on State Highway 114, 2.1 miles (3.4 km) west of Provo and 2.1 miles (3.4 km) upstream from mouth.

DRAINAGE AREA.--680 mi² (1,760 km²), approximately.

PERIOD OF RECORD.--May 1903 to June 1905, May 1933 to September 1934, January 1937 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "at San Pedro, Los Angeles and Salt Lake Railroad bridge, near Provo" 1903-04, and as "at Rio Grande Western Railroad bridge, near Provo" 1905.

GAGE.--Water-stage recorder. Altitude of gage is 4,510 ft (1,375 m) from topographic map. May 1903 to June 1905, nonrecording gages at site 0.8 mile (1.3 km) upstream at different datums. May 1933 to September 1934, nonrecording gage at present site at different datum. January 1937 to November 1938, water-stage recorder at site 1,000 ft (305 m) upstream at different datum. November 1938 to Aug. 23, 1957, water-stage recorder at present site at datum 2.00 ft (0.610 m) higher.

EXTREMES.--Current year: Maximum discharge, 1,940 ft³/s (54.9 m³/s) June 10 (gage height, 6.60 ft or 2.012 m); minimum, 7.7 ft³/s (0.22 m³/s) Oct. 2.

Period of record: Maximum discharge, 2,520 ft³/s (71.4 m³/s) May 6, 1952 (gage height, 6.37 ft or 1.94 m); no flow for several periods.

REMARKS.--Records good. Station is below all diversions. At times entire flow is diverted above station for irrigation. Flow regulated by Deer Creek Reservoir and small lakes at headwaters that serve as reservoirs. Small transmountain diversions from Strawberry River drain into Daniels Creek. Flow affected by Weber-Provo diversion canal and Duchesne tunnel, a transmountain diversion. Certain diversions for industrial use which reach Provo Bay, an arm of Utah Lake, are made above station; however, part of this flow is used for irrigation.

REVISIONS(WATER YEARS).--WSP 1564: 1904, 1934.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	152	314	323	320	132	400	357	263	678	24	14
2	13	144	314	324	319	135	397	344	262	664	22	20
3	19	140	310	320	321	139	399	350	251	518	22	26
4	37	136	341	320	322	137	401	362	610	142	20	30
5	56	135	394	320	321	137	396	365	1240	170	21	36
6	52	132	406	326	316	152	396	354	1250	394	20	34
7	55	132	413	333	318	154	397	370	1270	430	13	26
8	51	134	415	340	320	134	397	370	1410	454	15	24
9	58	128	413	333	328	133	397	364	1600	450	13	19
10	65	130	410	332	291	134	400	353	1720	458	14	23
11	47	152	415	332	236	132	399	363	1260	482	18	36
12	54	188	419	316	233	125	399	395	1000	454	19	41
13	54	198	424	314	234	123	398	378	1010	426	16	47
14	52	198	419	318	245	125	401	325	1230	319	16	48
15	62	203	420	320	240	120	399	289	1490	187	13	45
16	70	202	389	320	236	121	419	275	1520	165	13	37
17	74	200	342	319	233	121	411	265	1510	144	23	33
18	92	199	338	320	229	118	403	305	1590	125	29	29
19	99	201	336	319	228	120	399	335	1600	114	35	34
20	98	204	335	320	229	121	398	440	1340	104	33	37
21	117	208	328	320	227	122	398	444	1290	90	30	41
22	116	220	327	319	222	124	400	387	1280	72	26	57
23	120	223	322	319	224	123	408	355	975	54	23	52
24	122	222	312	320	179	123	392	342	264	20	24	45
25	124	222	312	334	132	131	379	337	374	17	22	43
26	127	219	316	332	130	137	380	318	845	13	30	38
27	126	242	323	329	132	225	378	314	780	14	24	41
28	126	308	321	329	133	355	373	287	750	16	27	54
29	123	311	323	322	---	394	372	288	750	13	23	56
30	136	315	323	323	---	397	369	286	745	22	16	56
31	159	---	323	322	---	400	---	260	---	22	16	---
TOTAL	2521	5798	11097	10038	6898	5144	11855	10577	31479	7231	660	1122
MEAN	81.3	193	358	324	246	166	395	341	1049	233	21.3	37.4
MAX	159	315	424	340	328	400	419	444	1720	678	35	57
MIN	13	128	310	314	130	118	369	260	251	13	13	14
AC-FT	5000	11500	22010	19910	13680	10200	23510	20980	62440	14340	1310	2230
CAL YR 1974	TOTAL	79330.2	MEAN	217	MAX	639	MIN	1.7	AC-FT	157400		
WTR YR 1975	TOTAL	104420.0	MEAN	286	MAX	1720	MIN	13	AC-FT	207100		

10164500 American Fork above upper powerplant, near American Fork, Utah

LOCATION.--Lat 40°26'52", long 111°40'53", in SE¼NW¼NE¼ sec.26, T.4 S., R.2 E., Utah County, on left bank 600 ft (183 m) downstream from Rock Creek, 1,000 ft (305 m) upstream from intake for upper powerplant of Utah Power & Light Co., 4.0 miles (6.4 km) upstream from mouth of canyon, and 6.7 miles (10.8 km) northeast of American Fork.

DRAINAGE AREA.--51.1 mi² (132 km²).

PERIOD OF RECORD.--January 1927 to current year. Monthly discharge only January 1927 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 5,950 ft (1,814 m) from topographic map. Prior to Sept. 8, 1965, at same site at different datum. Sept. 8, 1965 to Nov. 20, 1967, at site 300 ft (91 m) upstream.

AVERAGE DISCHARGE.--48 years, 54.2 ft³/s (1.535 m³/s), 39,270 acre-ft/yr (48.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 585 ft³/s (16.6 m³/s) June 15 (gage height, 7.21 ft or 2.198 m); minimum, 12 ft³/s (0.34 m³/s) Feb. 18.

Period of record: Maximum discharge not determined, occurred July 30, 1953 (gage height, 9.2 ft or 2.80 m, from floodmark); minimum, 1.5 ft³/s (0.04 m³/s) July 16, 1970 (result of regulation).

REMARKS.--Records good. Flow regulated by Silver Lake Flat Reservoir (constructed 1971) and Tibble Reservoir; total capacity, 1,260 acre-ft (1.55 hm³).

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project.

REVISIONS.--WSP 1634: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	20	14	14	14	14	14	20	378	345	111	64
2	20	19	15	14	13	14	14	22	415	344	105	64
3	21	19	15	14	14	15	14	28	425	343	111	62
4	20	18	15	14	14	15	14	34	388	335	97	61
5	21	18	15	14	14	15	14	30	348	364	90	59
6	19	18	15	15	13	17	14	27	347	355	88	58
7	18	18	15	14	13	16	14	28	367	350	87	56
8	18	18	13	13	13	15	14	25	522	349	85	55
9	19	17	13	14	14	15	14	27	370	337	83	53
10	18	17	14	15	14	15	14	39	350	339	78	52
11	18	17	15	15	13	15	14	58	317	312	74	51
12	18	17	15	14	13	15	14	66	343	276	72	49
13	18	17	16	14	14	15	15	69	374	264	70	48
14	17	17	16	14	14	15	16	82	441	259	69	46
15	17	17	16	14	13	15	15	144	544	242	67	46
16	17	16	15	14	13	15	18	172	537	230	66	53
17	17	16	15	14	13	15	17	187	478	202	64	52
18	17	17	14	14	12	14	15	186	411	188	62	41
19	17	17	14	14	13	14	15	201	347	178	59	38
20	18	16	15	14	14	15	15	184	294	168	57	36
21	20	17	15	14	13	15	16	165	266	159	56	30
22	18	17	15	13	13	15	19	162	215	154	55	27
23	20	16	14	14	14	15	21	165	243	144	59	27
24	20	16	14	15	13	15	21	161	277	137	75	27
25	19	16	14	16	13	17	26	168	300	143	79	27
26	18	16	14	14	13	16	24	189	282	143	76	28
27	18	15	14	14	14	14	23	202	273	135	74	28
28	18	16	14	14	14	14	22	243	306	133	72	28
29	19	14	14	13	---	14	21	270	320	133	70	28
30	19	14	14	13	---	14	20	322	342	132	67	28
31	20	---	14	14	---	15	---	372	---	122	65	---
TOTAL	577	506	451	436	375	463	507	4048	10820	7315	2343	1322
MEAN	18.6	16.9	14.5	14.1	13.4	14.9	16.9	131	361	236	75.6	44.1
MAX	21	20	16	16	14	17	26	372	544	364	111	64
MIN	17	14	13	13	12	14	14	20	215	122	55	27
AC-FT	1140	1000	895	865	744	918	1010	8030	21460	14510	4650	2620
CAL YR 1974	TOTAL	17740	MEAN	48.6	MAX	285	MIN	13	AC-FT	35190		
WTR YR 1975	TOTAL	29163	MEAN	79.9	MAX	544	MIN	12	AC-FT	57840		

JORDAN RIVER BASIN

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10166430 West Canyon near Cedar Fort, Utah

LOCATION.--Lat 40°24'24", long 112°06'03", in SW¼SE¼SE¼ sec.6, T.5 S., R.2 W., Utah County, on left bank 70 ft (21 m) upstream from road bridge, 160 ft (49 m) downstream from Left Fork, 750 ft (229 m) upstream from a right bank diversion, and 5.3 miles (8.5 km) north of Cedar Fort.

DRAINAGE AREA.--26.8 mi² (69.4 km²).

PERIOD OF RECORD.--July 1965 to October 1975 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 5,650 ft (1,722 m) from topographic map.

AVERAGE DISCHARGE.--10 years, 4.53 ft³/s (0.128 m³/s), 3,280 acre-ft/yr (4.04 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 121 ft³/s (3.43 m³/s) Sept. 12 (gage height, 2.17 ft or 0.661 m); minimum, 0.31 ft³/s (0.009 m³/s) March 11-13.

Period of record: Maximum discharge, 1,660 ft³/s (47.0 m³/s) Aug. 28, 1971 (gage height, 7.50 ft or 2.286 m), from slope-area measurement; minimum, 0.02 ft³/s (0.001 m³/s) Jan. 17, 22, 1967.

REMARKS.--Records fair except for winter period and missing record period, which are poor. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.0	.70	.65	.55	.83	1.5	.90	36	23	14	4.6
2	1.2	1.0	.68	.65	.55	.77	1.3	1.0	41	25	14	3.8
3	1.2	1.0	.70	.65	.55	.71	1.0	1.0	37	25	13	3.8
4	1.2	1.0	.80	.71	.55	.71	.93	1.5	36	26	12	3.8
5	1.2	1.0	.78	.60	.55	.71	.93	1.5	38	29	12	3.8
6	1.2	1.0	.76	.60	.55	.83	.66	2.0	40	27	11	3.4
7	1.2	1.0	.78	.60	.55	.71	.66	2.5	35	27	11	3.4
8	1.2	.99	.73	.60	.55	.50	.70	3.0	28	26	11	3.4
9	1.2	.96	.68	.60	.60	.42	.70	4.0	28	26	10	3.8
10	1.2	.95	.68	.60	.55	.43	.70	7.0	21	25	10	4.2
11	1.1	.93	.70	.60	.60	.31	.80	13	18	23	9.4	3.4
12	1.1	.94	.71	.65	.55	.31	.80	16	19	22	10	6.7
13	1.1	.95	.71	.65	.55	.37	.80	18	23	22	10	9.9
14	1.1	.95	.71	.65	.55	.50	.80	23	29	21	10	7.7
15	1.1	.95	.71	.65	.55	.43	.80	25	37	21	9.4	6.7
16	1.0	.94	.71	.65	.50	.83	.80	24	33	21	9.4	5.6
17	1.0	.93	.71	.65	.50	1.5	.80	26	34	21	8.8	5.1
18	1.0	.95	.71	.60	.70	1.5	.80	26	32	20	8.3	4.9
19	1.0	.85	.71	.65	.90	1.5	.80	26	27	19	7.7	4.7
20	1.0	.82	.71	.60	.77	1.7	.80	21	20	19	8.3	4.6
21	1.0	.82	.71	.60	.77	1.7	.90	20	18	20	7.7	4.0
22	1.0	.82	.71	.60	.71	2.6	.90	18	17	19	7.7	4.0
23	1.0	.76	.71	.60	.71	2.6	.90	16	19	18	6.7	3.8
24	1.0	.77	.71	.60	.71	2.4	.90	14	23	18	6.1	3.7
25	1.0	.77	.71	.60	.77	3.4	.90	14	25	17	6.7	3.8
26	1.0	.76	.71	.55	.77	2.9	.90	14	22	17	5.6	3.5
27	1.0	.74	.60	.55	.77	2.9	.90	16	20	16	5.6	3.5
28	1.0	.77	.60	.55	.71	2.6	.90	17	23	16	5.6	3.5
29	1.0	.74	.60	.55	---	2.4	.90	18	24	17	5.1	3.4
30	1.0	.71	.60	.55	---	2.1	.90	23	24	15	5.1	3.5
31	1.0	---	.60	.55	---	1.7	---	28	---	15	4.6	---
TOTAL	33.5	26.77	21.64	18.91	17.64	42.87	26.08	440.40	827	656	275.8	134.0
MEAN	1.08	.89	.70	.61	.63	1.38	.87	14.2	27.6	21.2	8.90	4.47
MAX	1.2	1.0	.80	.71	.90	3.4	1.5	28	41	29	14	9.9
MIN	1.0	.71	.60	.55	.50	.31	.66	.90	17	15	4.6	3.4
AC-FT	66	53	43	38	35	85	52	874	1640	1300	547	266

CAL YR 1974 TOTAL 1526.97 MEAN 4.18 MAX 23 MIN .60 AC-FT 3030
WTR YR 1975 TOTAL 2520.61 MEAN 6.91 MAX 41 MIN .31 AC-FT 5000

PEAK DISCHARGE (BASE, 20 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-19	1900	2.27	32	6-15	0600	2.13	69
6-2	0300	2.37	51	9-12	2100	2.17	121

No record Oct. 1 to Nov. 4.

JORDAN RIVER BASIN

10167000 Jordan River at narrows, near Lehi, Utah

LOCATION.--Lat 40°26'38", long 111°55'17", in NW 1/4 sec. 26, T.4 S., R.1 W., Salt Lake County, at narrows 5.5 miles (8.8 km) northwest of Lehi and 7.5 miles (12.1 km) downstream from Utah Lake.

DRAINAGE AREA.--3,000 mi² (7,770 km²), approximately, including 255 mi² (660 km²) in closed basin in Cedar Valley.

PERIOD OF RECORD.--May to December 1904, July 1913 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,470 ft (1,362 m) by barometer. Prior to May 16, 1920, nonrecording gage and May 16, 1920 to Sept. 30, 1934, water-stage recorder, at outlet of Utah Lake 7.5 miles (12.1 km) upstream at different datum.

AVERAGE DISCHARGE.--62 years (1913-75), 364 ft³/s (10.3 m³/s), 263,700 acre-ft/yr (325 hm³/yr).

EXTREMES.--Period of record: Maximum daily discharge, 1,410 ft³/s (39.9 m³/s) June 10, 1952; no flow at times when gates were closed.

REMARKS.--Records good. Figures given herein represent combined flow of Jordan River, Utah and Salt Lake Canal, and East Jordan Canal. In addition to the combined flow indicated below, 16,810 acre-ft (20.7 hm³) of Utah Lake water bypassed the Jordan River narrows in the Utah Lake Distributing Company Canal. Flow may be regulated by gages and pumps at outlet of Utah Lake, pumps at Pelican Point, and diversion dam at narrows.

COOPERATION.--Records collected by the Jordan River Distribution System, under general supervision of the Geological Survey.

REVISIONS.--WSP 1714: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	484	129	59	19	21	460	436	503	650	724	705	697
2	491	74	50	19	21	456	533	503	661	717	654	690
3	492	24	30	19	23	460	606	534	675	717	654	694
4	491	36	23	19	25	467	578	515	653	712	660	699
5	473	50	22	19	26	467	578	440	682	706	677	711
6	477	47	21	19	27	467	569	515	685	711	700	709
7	468	50	19	19	28	471	512	525	686	705	727	702
8	451	51	23	19	28	460	542	514	631	701	753	707
9	457	52	21	21	29	456	542	490	614	709	741	705
10	426	51	19	20	40	460	520	500	610	701	737	685
11	417	51	19	20	320	414	516	451	626	691	741	659
12	406	50	19	20	378	440	471	453	644	688	725	657
13	388	51	18	20	396	479	529	492	660	686	709	628
14	396	50	19	20	410	467	564	504	656	675	699	591
15	197	50	19	20	396	475	569	465	662	686	708	589
16	114	51	19	20	414	491	564	496	654	690	715	592
17	90	51	19	20	368	448	602	444	655	669	712	590
18	90	65	21	20	430	504	460	447	651	660	706	598
19	91	57	20	20	440	508	491	440	736	651	719	556
20	90	28	20	20	433	479	487	321	767	648	725	524
21	90	23	19	20	422	463	495	379	775	652	716	537
22	90	20	17	20	429	516	454	389	777	639	717	535
23	90	50	21	20	444	475	484	310	792	611	711	536
24	88	57	21	20	448	504	491	330	809	616	700	530
25	103	57	21	20	460	524	435	334	717	609	712	508
26	143	59	21	20	463	182	500	403	745	621	708	507
27	137	54	21	20	460	292	462	478	712	657	712	504
28	143	52	21	20	460	467	462	570	701	663	694	503
29	139	59	21	20	---	475	503	575	715	659	701	501
30	136	59	21	20	---	524	507	584	729	658	702	438
31	144	---	21	20	---	491	---	607	---	695	697	---
TOTAL	6292	1558	705	613	7839	14242	15462	14511	20730	20927	21937	18082
MEAN	267	51.9	22.7	19.8	280	459	515	468	691	675	708	603
MAX	492	129	59	21	463	524	606	607	809	724	753	711
MIN	88	20	17	19	21	182	435	310	610	609	654	438
AC-FT	16450	3090	1400	1220	15550	28250	30670	28780	41120	41510	43510	35870
CAL YR 1974	TOTAL	191567	MEAN 525	MAX 801	MIN 17	AC-FT 380000						
WTR YR 1975	TOTAL	144898	MEAN 397	MAX 809	MIN 17	AC-FT 287400						

10170500 Surplus Canal at Salt Lake City, Utah

LOCATION.--Lat 40°43'37", long 111°55'33", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.1 S., R.1 W., Salt Lake County, near right bank on upstream side of diversion dam at head of canal, and 250 ft (76 m) downstream from highway bridge over Jordan River on 21st South Street.

PERIOD OF RECORD.--December 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,223.93 ft (1,287.454 m) above mean sea level, datum of 1929. Prior to Oct. 22, 1952, at site 350 ft (107 m) downstream, and Oct. 22, 1952 to Sept. 30, 1966, at site 400 ft (122 m) downstream at different datum.

AVERAGE DISCHARGE.--32 years, 226 ft³/s (6.40 m³/s), 163,700 acre-ft/yr (202 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,490 ft³/s (42.2 m³/s) June 9 (gage height, 3.37 ft or 1.027 m); maximum gage height, 4.67 ft or 1.423 m June 8, backwater from debris; minimum, 93 ft³/s (2.63 m³/s) Nov. 16.

Period of record: Maximum discharge, 1,700 ft³/s (48.1 m³/s) June 7, 1952; maximum gage height, 8.84 ft (2.694 m) May 7, 1952 (site and datum then in use); no flow Jan. 21 to Feb. 28, 1963.

REMARKS.--Records good. Flow regulated by diversion structure at station. Canal was built to bypass floodwater of Jordan River around Salt Lake City residential and industrial area (see station 10170490 for records of combined flow of Jordan River and Surplus Canal). Several diversions for irrigation and waterfowl ponds below station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	247	205	118	119	149	493	555	616	572	880	318	262
2	205	170	121	118	149	498	548	611	690	835	300	248
3	231	141	141	116	147	486	588	615	860	855	280	261
4	271	138	141	124	148	478	593	687	920	855	275	249
5	271	129	183	132	155	466	587	665	955	1090	247	256
6	271	123	158	132	149	478	586	640	975	1200	236	289
7	293	121	175	134	147	487	585	680	1040	1180	252	277
8	271	118	159	142	154	503	573	650	1410	990	273	298
9	284	116	148	137	154	478	604	635	1410	910	246	297
10	271	113	135	129	194	500	594	626	1130	905	247	303
11	259	113	123	128	280	499	581	665	900	872	266	313
12	251	110	129	126	390	476	599	725	825	780	281	312
13	263	110	136	126	420	506	608	685	855	816	308	332
14	259	116	133	127	425	517	644	700	945	773	317	317
15	263	116	132	129	430	490	626	840	1140	699	311	286
16	156	110	136	129	444	532	685	840	1210	692	285	282
17	121	110	138	131	459	533	645	710	1170	625	294	284
18	116	116	136	138	459	538	599	685	1230	558	305	290
19	121	176	133	141	441	522	602	679	1270	471	243	286
20	123	138	141	139	469	523	611	805	1300	474	252	268
21	169	121	142	135	474	518	604	701	1240	444	287	263
22	155	197	140	130	444	615	577	616	1260	402	322	320
23	159	153	132	134	474	614	553	567	1180	366	298	345
24	241	138	126	137	479	562	570	498	1160	317	287	317
25	172	135	119	191	451	607	656	474	1180	330	310	243
26	155	135	120	190	434	599	641	444	1070	275	261	236
27	153	129	120	163	454	439	651	454	925	261	233	221
28	194	123	125	157	469	546	660	454	865	256	227	222
29	190	116	126	143	---	563	640	434	900	268	231	237
30	190	118	123	143	---	587	621	444	905	300	227	247
31	255	---	125	142	---	602	---	464	---	328	230	---
TOTAL	6580	3954	4214	4262	9442	16255	18186	19309	31492	20007	8449	8361
MEAN	212	132	136	137	337	524	606	623	1050	645	272	279
MAX	293	205	183	191	479	615	685	840	1410	1200	323	345
MIN	116	110	118	116	147	439	548	434	572	256	227	221
AC-FT	13050	7840	8360	8450	18730	32240	36070	38300	62460	39680	16760	16580
CAL YR 1974	TOTAL	149548	MEAN 410	MAX	950	MIN 110	AC-FT	296600				
WTR YR 1975	TOTAL	150511	MEAN 412	MAX	1410	MIN 110	AC-FT	298500				

LOCATION.--Lat 40°43'39", long 111°55'26", in SW¹/₄SE¹/₄SW¹/₄ sec.14, T.1 S., R.1 W., Salt Lake County, on left bank 800 ft (244 m) downstream from diversion structure at head of Surplus Canal, 0.2 mile (0.3 km) downstream from highway bridge on 21st South Street, Salt Lake City, and 1.3 miles (2.1 km) downstream from Mill Creek.

PERIOD OF RECORD.--December 1942 to current year.

AVERAGE DISCHARGE.--32 years (1943-75), 141 ft³/s (3.99 m³/s), 102,200 acre-ft/yr (126 hm³/yr).

Period of record: Maximum discharge, 384 ft³/s (10.9 m³/s) June 3, 1944; maximum gage height, 5.75 ft (1.753 m) June 26, 1952; flow May 10, 24, 1952. May 21, 22, 1962, Sept. 21, 1963, May 14 to June 1, 1964 and Sept. 6, 7, 1965 entire flow diverted to Rplsls Canal. Maximum combined discharge (Jordan River and Surplus Canal), 1,820 ft³/s (51.5 m³/s) June 7, 1952; minimum daily, ft³/s (2.52 m³/s) June 23, 1961.

REMARKS.--Records good. Flow completely regulated since reconstruction in May 1952 of Surplus Canal diversion dam 800 ft (244 m) upstream. Flow affected by regulation at Utah Lake, Deer Creek Reservoir, other storage and regulation, and importation of water from other basins. Many diversions above station for irrigation, industrial, and municipal water supplies. For records of Surplus Canal see station 10170500. For records of combined flow see following page.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	155	123	114	100	134	129	34	25	199	168	150
2	172	149	123	114	98	132	131	34	25	195	158	153
3	175	142	124	114	97	134	140	34	25	197	157	163
4	183	142	123	107	96	134	141	34	25	194	157	177
5	182	141	129	100	95	129	139	34	25	209	165	176
6	182	140	125	105	98	125	137	34	25	214	162	180
7	185	139	129	109	99	140	135	34	25	210	150	177
8	183	138	125	109	100	155	129	34	25	197	156	181
9	184	138	124	107	99	142	127	34	25	196	152	181
10	184	137	121	106	102	148	129	30	25	183	149	180
11	182	137	120	105	109	133	134	30	25	169	151	182
12	180	137	121	105	118	124	133	30	25	166	157	184
13	181	136	121	105	118	131	129	25	25	167	160	185
14	181	137	121	105	125	141	127	25	31	161	158	184
15	182	136	119	105	132	141	136	25	102	154	155	180
16	167	134	120	104	130	141	135	25	133	154	150	179
17	156	133	121	104	125	133	109	25	120	151	150	179
18	157	135	121	105	125	137	107	25	124	144	145	178
19	157	144	121	105	129	142	105	25	151	137	150	177
20	158	140	121	105	138	144	102	25	107	136	151	175
21	154	137	121	104	139	149	100	25	103	133	156	174
22	146	145	112	102	136	135	102	25	100	132	159	133
23	148	129	115	102	139	109	105	25	94	150	156	99
24	159	124	118	102	136	120	102	25	92	164	152	126
25	148	126	116	109	131	141	108	25	92	166	155	178
26	148	127	117	107	130	135	102	25	88	160	151	175
27	145	126	116	104	131	113	91	25	92	158	148	174
28	151	125	114	103	134	121	71	25	98	159	147	176
29	152	123	113	101	---	121	34	25	96	161	148	179
30	152	123	113	101	---	122	34	25	149	166	148	181
31	162	---	114	100	---	127	---	25	---	169	148	---
TOTAL	5157	4075	3721	3268	3309	4133	3403	871	2097	5251	4769	5116
MEAN	166	136	120	105	118	133	113	28.1	69.4	169	154	171
MAX	185	155	129	114	139	155	141	34	151	214	168	185
MIN	145	123	112	100	95	109	34	25	25	132	145	99
AC-FT	10230	8080	7380	6480	6560	8200	6750	1730	4160	10420	9460	10150
CAL YR 1974	TOTAL	51905	MEAN 142	MAX 196	MIN 31	AC-FT	103000					
WTR YR 1975	TOTAL	45170	MEAN 124	MAX 214	MIN 25	AC-FT	85590					

JORDAN RIVER BASIN

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10170490 Jordan River at Salt Lake City, Utah--continued

Combined discharge, in cubic feet per second, of Jordan River and Surplus Canal
at Salt Lake City, Utah water year October 1974 to September 1975

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	406	360	241	233	249	627	684	650	597	1080	486	412
2	377	319	244	232	247	630	679	645	715	1030	458	401
3	406	283	265	230	244	620	728	649	885	1050	437	424
4	454	280	264	231	244	612	734	721	945	1050	432	426
5	453	270	312	232	250	595	726	699	980	1300	412	432
6	453	263	283	237	247	603	723	674	1000	1410	398	469
7	478	260	304	243	246	627	720	714	1070	1390	402	454
8	454	256	284	251	254	658	702	684	1440	1190	429	479
9	468	254	272	244	253	620	731	669	1440	1110	398	478
10	455	250	256	235	296	648	723	656	1160	1090	396	483
11	441	250	243	233	389	632	715	695	925	1040	417	495
12	431	247	250	231	508	600	732	755	850	946	438	496
13	444	246	257	231	538	637	737	710	880	983	468	517
14	440	253	254	232	550	658	771	725	976	934	475	501
15	445	252	251	234	562	631	762	865	1240	853	466	466
16	323	244	256	233	574	673	820	865	1340	846	435	461
17	279	243	259	235	584	666	754	735	1290	776	444	463
18	273	251	257	243	584	675	706	710	1350	702	450	468
19	278	320	254	246	570	664	707	704	1420	608	393	463
20	281	278	262	244	607	667	713	830	1410	610	403	443
21	323	258	263	239	613	667	704	726	1340	577	443	437
22	301	342	252	232	580	750	679	641	1360	534	481	453
23	307	282	247	236	613	723	658	592	1270	516	454	444
24	400	262	244	239	615	682	672	523	1250	481	439	443
25	320	261	235	300	582	748	764	499	1270	496	465	421
26	303	262	237	297	564	734	743	469	1160	435	412	411
27	298	255	236	267	585	552	742	479	1020	419	381	395
28	345	248	239	260	603	667	731	479	963	415	374	398
29	342	239	239	244	---	684	674	459	996	429	379	416
30	342	241	236	244	---	709	655	469	1050	466	375	428
31	417	---	239	242	---	729	---	489	---	497	378	---
TOTAL	11737	8029	7935	7530	12751	20388	21589	20180	33592	25263	13218	13477
MEAN	379	268	256	243	455	658	720	651	1120	815	426	449
MAX	478	360	312	300	615	750	820	865	1440	1410	486	517
MIN	273	239	235	230	244	552	655	459	597	415	374	395
AC-FT	23280	15930	15740	14940	25290	40440	42820	40030	66630	50110	26220	26730
CAL YR 1974	TOTAL	201461	MEAN 552	MAX 1060	MIN 235	AC-FT 399600						
WTR YR 1975	TOTAL	195689	MEAN 536	MAX 1440	MIN 230	AC-FT 388100						

10172200 Red Butte Creek at Fort Douglas, near Salt Lake City, Utah
(Hydrologic bench-mark station)

LOCATION.--Lat 40°46'48", long 111°48'19", in NW¼SW¼NE¼ sec.35, T.1 N., R.1 E., Salt Lake County, on right bank 0.4 mile (0.6 km) upstream from dam forming Red Butte Reservoir, 1.7 miles (2.7 km) northeast of Fort Douglas, and 4.7 miles (7.6 km) east of Salt Lake City post office.

DRAINAGE AREA.--7.25 mi² (18.8 km²).

PERIOD OF RECORD.--October 1963 to current year. Figures of monthly discharge for January 1942 to September 1963, collected by Corps of Engineers, U.S. Army, available in files of Salt Lake City District office, Geological Survey.

GAGE.--Water-stage recorder and concrete Parshall flume. Altitude of gage is 5,400 ft (1,646 m) from topographic map.

AVERAGE DISCHARGE.--12 years, 4.45 ft³/s (0.126 m³/s), 3,220 acre-ft/yr (3.97 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 60 ft³/s (1.70 m³/s) May 18 (gage height, 3.50 ft or 1.067 m); minimum, 1.9 ft³/s (0.054 m³/s) Jan. 14.

Period of record: Maximum discharge, 60 ft³/s (1.70 m³/s) May 18, 1975 (gage height, 3.50 ft or 1.067 m); minimum 0.5 ft³/s (0.014 m³/s) Oct. 7, 12, 1963.

REMARKS.--Records good. No regulation or diversion above station. Discharge measurements generally made once a month. Most of flow is collected in reservoir below station and used for water supply of Fort Douglas. Records of chemical analysis, suspended-sediment loads, and water temperatures for the water year 1975 will be published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	3.4	2.4	2.2	2.4	2.6	3.7	9.1	32	10	5.0	3.1
2	2.2	3.2	2.4	2.2	2.4	3.2	3.6	9.7	31	10	4.9	3.1
3	2.3	2.9	2.3	2.2	2.3	3.5	3.6	11	30	9.8	4.8	3.1
4	2.5	2.8	2.3	2.3	2.3	3.5	3.7	15	28	9.5	4.6	3.1
5	2.5	2.7	2.7	2.3	2.3	3.4	4.0	14	26	9.1	4.6	3.1
6	2.4	2.7	2.5	2.3	2.3	4.0	4.6	13	25	9.0	4.4	3.0
7	2.4	2.7	2.6	2.7	2.3	3.8	4.5	12	24	8.8	4.2	3.0
8	2.5	2.7	2.5	3.4	2.3	4.1	4.3	15	23	8.5	4.2	2.9
9	2.6	2.6	2.4	2.9	2.3	4.3	4.1	20	22	8.2	4.2	2.9
10	2.6	2.5	2.3	2.6	2.4	4.2	4.1	38	20	8.1	4.1	3.1
11	2.6	2.5	2.2	2.4	2.2	3.9	4.2	38	19	8.0	4.0	3.0
12	2.6	2.5	2.2	2.3	2.2	3.6	4.6	41	18	7.8	4.0	3.0
13	2.6	2.5	2.2	2.0	2.3	3.5	5.2	38	17	7.6	4.0	3.1
14	2.7	2.5	2.2	1.9	2.4	3.5	5.8	43	17	7.4	3.9	3.0
15	2.7	2.4	2.3	2.0	2.3	3.4	5.9	49	16	7.2	3.8	2.9
16	2.7	2.4	2.3	2.1	2.3	3.4	7.0	52	15	7.0	3.7	2.9
17	2.7	2.4	2.3	2.2	2.3	3.4	6.9	50	15	6.9	3.7	2.8
18	2.7	2.6	2.3	2.3	2.4	3.4	6.6	55	15	6.7	3.6	2.7
19	2.7	2.6	2.3	2.3	2.6	4.1	6.3	57	14	6.4	3.6	2.8
20	2.7	2.6	2.3	2.3	2.3	5.1	6.3	56	14	6.2	3.6	2.7
21	3.0	2.5	2.3	2.2	2.3	5.3	6.8	39	14	6.1	3.6	2.7
22	2.8	2.5	2.2	2.5	2.3	5.1	8.3	30	14	6.0	3.8	2.7
23	2.9	2.6	2.2	2.2	2.3	4.7	9.7	29	13	5.9	3.5	2.7
24	3.2	2.5	2.3	2.3	2.3	4.5	11	30	13	5.8	3.4	2.7
25	2.8	2.5	2.3	3.4	2.2	4.7	13	31	13	5.6	3.4	2.6
26	2.8	2.5	2.3	2.9	2.3	4.9	11	30	13	5.4	3.4	2.6
27	2.8	2.5	2.3	2.6	2.3	4.5	10	31	12	5.3	3.4	2.6
28	2.7	2.4	2.3	2.6	2.3	4.1	9.2	31	12	5.2	3.4	2.6
29	2.8	2.4	2.2	2.5	---	4.1	8.8	32	11	5.2	3.4	2.6
30	2.9	2.4	2.2	2.5	---	4.0	8.6	32	11	5.1	3.3	2.6
31	3.6	---	2.2	2.5	---	3.9	---	33	---	5.1	3.2	---
TOTAL	83.2	78.0	71.8	75.1	64.9	123.7	145.4	983.8	547	222.9	120.7	85.7
MEAN	2.68	2.60	2.32	2.42	2.32	3.99	6.51	31.7	18.2	7.19	3.89	2.86
MAX	3.6	3.4	2.7	3.4	2.6	5.3	13	57	32	10	5.0	3.1
MIN	2.2	2.4	2.2	1.9	2.2	2.6	3.6	9.1	11	5.1	3.2	2.6
AC-FT	165	155	142	149	129	245	388	1950	1080	442	239	170

CAL YR 1974 TOTAL 2426.7 MEAN 6.65 MAX 36 MIN 1.8 AC-FT 4810
WTR YR 1975 TOTAL 2652.2 MEAN 7.27 MAX 57 MIN 1.9 AC-FT 5260

PEAK DISCHARGE (BASE, 10 CFS).

DATE	TIME	G.H.	DISCHARGE
4-25	0100	1.36	13
5-18	2200	3.50	60

JORDAN RIVER BASIN

241

10172630 Goggin Drain near Magna, Utah

LOCATION.--Lat 40°49'00", long 112°06'00", in SW¼NW¼SW¼ sec.17, T.1 N., R.2 W., Salt Lake County, about 7 miles (11 km) downstream from Surplus Canal wasteway, 3.3 miles (5.3 km) north of Saltair, and 7.2 miles (11.6 km) north of Magna.

PERIOD OF RECORD.--October 1963 to September 1968, October 1971 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,204 ft (1,281 m) from topographic map.

AVERAGE DISCHARGE.--9 years, 111 ft³/s (3.144 m³/s), 80,420 acre-ft/yr (99.2 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 865 ft³/s (24.5 m³/s) June 20 (gage height, 5.86 ft or 1.786 m); minimum, 2.4 ft³/s (0.068 m³/s) January 23 (result of discharge measurement).

Period of record: Maximum discharge, 865 ft³/s (24.5 m³/s) June 20, 1975 (gage height, 5.86 ft or 1.786 m); no flow several days many years.

REMARKS.--Records good. The drain carries natural drainage and surplus water spilled from canals from the area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	13	15	15	19	246	392	419	283	499	74	33
2	15	13	15	15	16	254	363	417	376	497	96	30
3	15	13	15	15	16	256	388	419	469	526	102	23
4	23	13	15	17	16	249	403	439	568	526	100	25
5	28	13	16	18	16	240	399	474	585	546	83	18
6	24	13	16	19	15	260	394	455	607	522	51	17
7	24	13	16	18	15	257	397	544	665	539	73	16
8	26	13	16	15	15	254	367	583	746	588	50	13
9	29	13	16	14	15	251	375	524	801	601	52	12
10	32	13	18	14	15	243	363	495	739	599	49	14
11	31	13	18	14	15	251	342	509	637	614	94	15
12	31	14	18	14	15	243	343	546	563	550	123	11
13	31	15	18	15	34	246	343	533	614	557	119	11
14	26	15	17	16	113	260	360	495	658	541	157	10
15	21	15	17	17	145	257	376	552	706	453	157	10
16	21	15	17	18	137	264	415	610	748	411	148	9.5
17	21	15	18	19	137	270	457	585	755	407	140	9.5
18	21	15	18	19	164	276	417	511	775	351	157	9.5
19	19	15	18	16	212	281	401	511	789	288	139	10
20	19	15	18	17	228	265	403	520	858	245	125	8.8
21	15	15	19	110	239	278	401	548	833	160	104	12
22	13	15	19	59	252	329	395	429	767	103	141	17
23	13	15	20	18	252	378	365	305	755	94	152	20
24	13	15	34	19	242	380	363	333	746	78	161	26
25	13	15	29	19	230	395	409	297	743	73	181	22
26	12	14	17	18	236	439	419	285	674	75	179	19
27	12	15	17	18	237	329	419	268	599	71	139	18
28	12	15	16	18	240	340	429	281	522	62	48	19
29	13	15	16	19	---	384	437	281	503	52	39	23
30	13	15	27	19	---	399	439	256	522	74	37	19
31	13	---	19	19	---	417	---	262	---	67	28	---
TOTAL	514	426	568	661	3286	9191	11774	13686	19606	10773	3298	500.3
MEAN	19.8	14.2	18.3	21.3	117	296	392	441	654	348	106	16.7
MAX	32	15	34	110	252	439	457	610	858	614	181	33
MIN	12	13	15	14	15	240	342	256	283	52	28	8.8
AC-FT	1220	845	1130	1310	6520	18230	23350	27150	38890	21370	6540	992
CAL YR 1974	TOTAL	70424.0	MEAN 193	MAX 623	MIN	12	AC-FT	139700				
WTR YR 1975	TOTAL	74383.3	MEAN 204	MAX 658	MIN	8.8	AC-FT	147500				

LOCATION.--Lat°40 46'50", long 112°08'19", in SW¼NW¼NW¼ sec.36, T.1 N., R.3 W., Salt Lake County, on right bank on upstream side of wooden bridge, and 5.1 miles (8.2 km) northwest of Magna.

GAGE.--Water-stage recorder. Altitude of gage is 4,205 ft (1,282 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 35 ft³/s (0.991 m³/s) June 18 (gage height, 2.76 ft or 0.841 m); minimum, 0.72 ft³/s (0.020 m³/s) July 10, 11, 28.
Period of record: Maximum discharge, 94 ft³/s (2.66 m³/s) Apr. 10, 1974 (gage height, 3.21 ft or 0.978 m); minimum, 0.050 ft³/s (0.014 m³/s) June 17, 1972.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	7.0	1.5	1.3	5.2	5.5	4.4	1.5	4.4	3.0	4.0	3.2
2	5.5	4.0	1.5	1.3	3.0	1.7	3.0	1.5	4.7	3.0	3.2	2.5
3	5.5	2.7	1.5	1.3	2.5	1.7	2.4	1.5	5.3	2.2	1.1	4.2
4	15	2.2	1.5	1.5	2.2	1.5	2.4	3.0	4.4	1.5	1.3	0.2
5	9.5	2.0	5.0	1.3	2.2	1.7	2.7	12	3.4	2.7	1.5	4.7
6	5.0	2.0	3.5	1.5	1.7	3.2	2.0	11	2.2	1.5	2.5	2.4
7	4.2	3.0	5.3	1.7	1.7	2.0	2.2	11	2.2	1.5	4.0	3.2
8	4.0	2.7	2.7	3.0	1.7	1.7	2.0	15	2.0	3.2	1.5	2.7
9	10	2.0	2.0	3.7	2.2	3.7	1.5	5.6	2.0	1.3	1.5	3.5
10	5.2	1.5	1.7	2.2	5.7	2.5	1.3	2.7	1.7	1.1	1.1	3.0
11	7.5	2.0	1.7	3.7	2.7	2.2	1.3	2.4	1.5	4.6	3.5	4.2
12	6.7	1.5	2.0	1.3	2.0	1.7	1.3	3.2	1.5	1.3	3.7	3.5
13	5.3	1.5	9.2	1.3	1.7	1.5	1.1	2.7	1.5	1.3	4.0	7.6
14	4.7	1.5	3.4	1.5	4.2	2.2	4.6	2.4	1.5	5.4	0.2	0.9
15	3.2	1.7	2.4	1.3	3.0	1.5	4.3	2.4	1.1	2.7	8.9	3.0
16	3.7	1.3	1.3	1.5	1.7	2.0	5.0	2.4	3.0	2.4	3.7	2.0
17	10	1.3	4.2	2.4	2.0	2.2	5.4	2.4	7.6	2.0	3.2	1.7
18	4.5	2.2	2.2	3.0	1.7	2.2	1.7	2.2	20	2.4	4.5	2.2
19	2.0	2.5	2.2	2.7	3.7	1.7	1.5	3.7	14	4.4	0.2	2.0
20	2.0	2.2	1.7	2.4	5.4	1.7	1.3	7.3	8.0	4.7	0.7	2.2
21	5.0	2.7	2.2	7.6	9.5	5.3	1.1	11	4.7	4.0	11	2.0
22	2.2	13	4.0	12	0.2	18	1.3	3.2	5.3	3.7	11	7.6
23	4.7	5.3	1.5	13	0.7	10	4.6	2.4	5.0	3.2	7.0	5.6
24	10	2.5	1.5	14	2.7	4.7	4.3	2.4	5.3	2.0	4.2	3.0
25	5.4	4.5	1.5	15	2.2	15	12	2.2	9.2	1.3	3.0	2.5
26	4.0	2.5	1.5	13	2.2	22	12	2.4	4.0	1.1	2.5	2.2
27	3.2	2.0	1.5	14	1.7	17	0.2	2.2	3.7	4.6	2.5	2.7
28	3.0	1.7	1.5	17	2.5	20	2.7	2.7	4.0	1.1	2.7	1.7
29	3.0	2.0	1.5	0.5	---	13	3.2	2.2	3.4	4.6	2.7	1.7
30	5.6	1.5	1.3	5.9	---	7.3	2.0	2.2	3.2	4.0	2.5	1.7
31	17	---	1.3	8.2	---	5.9	---	2.7	---	7.3	2.7	---
TOTAL	172.1	84.5	70.4	109.1	94.9	131.4	77.0	131.5	140.6	78.6	126.1	105.7
MEAN	5.23	2.42	2.40	3.45	3.23	4.17	2.49	4.24	4.57	2.54	4.07	3.52
MAX	15	13	9.2	17	9.5	22	12	15	20	7.3	11	8.9
MIN	2.0	1.3	1.3	1.3	1.7	1.5	0.2	1.5	1.1	0.6	1.1	1.7
AC-FI	381	105	152	335	185	380	173	261	279	156	250	210
CAL YR 1974	TOTAL	2102.60	MEAN	5.76	MAX	09	MIN	1.2	AC-FI	4170		
14 YR 1974	TOTAL	1478.05	MEAN	4.05	MAX	22	MIN	0.3	AC-FI	2430		

LOCATION.--Lat 40°45'28", long 112°10'14", in SW 1/4 SW 1/4 sec.3, T.1 S., R.3 W., Salt Lake County, on left bank about 300 ft (91 m) downstream from culvert on U.S. Highway 40, and 4.5 miles (7.2 km) northwest of Magna.

GAGE.--Water-stage recorder. Altitude of gage is 4,210 ft (1,283 m) from topographic map.

EXTREMES.—Current year: Maximum daily discharge, 175 ft³/s (4.96 m³/s) Oct. 9 (gage height, 4.55 ft or 1.387 m); maximum gage height, 5.16 ft or 1.573 m, result of backwater from lake due to wind; minimum recorded discharge, 29 ft³/s (0.821 m³/s) June 24.

Period of record: Maximum discharge, 389 ft³/s (11.0 m³/s) Mar. 18, 1964 (gage height, 5.50 ft or 1.676 m) result of break in dike of Kennecott tailings pond; minimum discharge, 25 ft³/s (0.71 m³/s) Dec. 9, 1972.

REMARKS.--Records fair.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	130	130	88	77	96	120	87	78	69	113	109
2	116	130	120	104	68	93	105	79	82	67	117	111
3	110	130	120	103	89	91	92	75	83	67	114	98
4	161	130	120	102	121	85	87	86	94	74	122	91
5	172	130	120	97	119	84	78	101	89	78	119	93
6	167	130	120	83	96	80	76	113	85	80	101	96
7	169	130	120	82	96	86	85	109	87	84	88	101
8	172	130	120	108	107	88	82	113	111	85	79	103
9	175	130	120	125	128	92	84	109	109	85	71	100
10	173	130	120	125	171	94	82	98	95	84	74	94
11	163	130	115	125	160	102	80	106	76	89	80	98
12	153	130	110	125	121	93	82	104	77	93	91	93
13	136	130	110	124	87	81	78	92	78	88	80	109
14	122	130	110	123	101	82	63	98	77	98	83	111
15	130	130	110	122	107	84	65	86	72	89	78	111
16	156	130	110	120	104	94	86	79	81	92	74	110
17	141	130	110	116	93	113	93	81	90	92	93	108
18	122	130	110	101	86	111	96	80	85	99	95	106
19	119	130	110	102	78	100	87	88	102	109	82	109
20	120	140	110	109	88	86	87	96	113	111	80	107
21	128	140	110	115	97	89	85	96	95	103	79	103
22	141	140	110	125	77	114	90	103	82	104	80	108
23	155	140	105	121	72	118	83	103	76	109	79	113
24	157	140	100	111	76	119	81	101	52	108	84	104
25	150	140	100	121	79	138	97	96	81	111	76	97
26	131	140	100	158	85	172	105	90	62	110	76	90
27	156	140	95	162	95	157	114	85	69	110	85	99
28	151	140	90	118	104	128	110	97	73	106	87	109
29	137	140	85	81	---	120	111	87	75	88	89	102
30	130	140	80	72	---	111	98	84	75	109	95	91
31	130	---	80	74	---	116	---	82	---	110	111	---
TOTAL	4473	4010	3370	3442	2782	3217	2682	2904	2504	2901	2775	3074
MEAN	144	134	109	111	99.4	104	89.4	93.7	83.5	93.6	89.5	102
MAX	175	140	130	162	171	172	120	113	113	111	122	113
MIN	110	130	80	72	68	80	63	75	52	67	71	90
AC-FT	8870	7950	6680	6830	5520	6380	5320	5760	4970	5750	5500	6100
CAL YR 1974	TOTAL	45081	MEAN 124	MAX 238	MIN 65	AC-FT	89420					
WTR YR 1975	TOTAL	38134	MEAN 104	MAX 175	MIN 52	AC-FT	75640					

RUSH VALLEY

10172700 Vernon Creek near Vernon, Utah

LOCATION.--Lat 39°58'46", long 112°22'46", in NE¼SW¼ sec.2, T.10 S., R.5 W., Tooele County, on right bank 6.6 miles (10.6 km) upstream from confluence with Dutch Creek forming Faust Creek and 8.3 miles (13.4 km) southeast of Vernon.

DRAINAGE AREA.--31.2 mi² (80.8 km²).

PERIOD OF RECORD.--June 1958 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,200 ft (1,890 m) from AMS topographic map.

AVERAGE DISCHARGE.--17 years, 2.40 ft³/s (0.0680 m³/s), 1,740 acre-ft/yr (2.15 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 33 ft³/s (0.93 m³/s) May 3 (gage height, 1.50 ft or 0.457 m); maximum gage height, 1.83 ft (0.558 m) Dec. 25 (backwater from ice); minimum discharge, 1.9 ft³/s (0.054 m³/s) Feb. 20.

Period of record: Maximum discharge, 825 ft³/s (23.4 m³/s) Aug. 27, 1972 (based on slope-area measurement); minimum, 0.41 ft³/s (0.012 m³/s) Nov. 20, 1961.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	2.5	2.5	2.4	2.2	2.4	2.5	3.8	6.3	3.8	3.0	2.8
2	2.8	2.7	2.5	2.4	2.2	2.4	2.5	4.1	6.3	3.7	3.0	2.8
3	2.7	2.5	2.5	2.4	2.2	2.4	2.4	7.8	6.3	3.7	2.9	2.8
4	2.7	2.5	2.7	2.4	2.2	2.4	2.4	6.5	6.0	3.7	2.9	2.8
5	2.8	2.5	2.7	2.5	2.2	2.4	2.4	3.7	5.8	3.6	2.8	2.8
6	2.7	2.5	2.5	2.4	2.2	2.5	2.5	3.5	5.6	3.6	2.9	2.8
7	2.7	2.5	2.7	2.4	2.2	2.5	2.5	3.7	5.6	3.6	2.8	2.8
8	2.7	2.5	2.5	2.4	2.2	2.5	2.5	3.7	5.1	3.6	2.8	2.9
9	2.8	2.5	2.5	2.4	2.4	2.5	2.5	5.2	5.0	3.6	2.6	2.9
10	2.7	2.5	2.5	2.4	2.4	2.5	2.5	6.4	4.9	3.6	2.6	2.9
11	2.7	2.5	2.5	2.4	2.2	2.5	2.5	6.6	4.6	3.7	2.6	3.0
12	2.7	2.5	2.5	2.4	2.2	2.4	2.5	6.3	4.5	3.6	2.7	3.1
13	2.7	2.5	2.5	2.2	2.2	2.4	2.5	5.8	4.3	3.6	2.7	3.1
14	2.7	2.5	2.5	2.2	2.2	2.5	2.5	5.9	4.2	3.5	2.8	3.0
15	2.7	2.5	2.5	2.2	2.2	2.4	2.5	6.2	4.1	3.4	2.7	2.9
16	2.5	2.5	2.5	2.2	2.2	2.4	2.7	6.4	4.1	3.4	2.7	2.8
17	2.5	2.5	2.5	2.2	2.2	2.4	2.7	6.4	4.1	3.4	2.6	2.9
18	2.5	2.5	2.5	2.2	2.2	2.4	2.7	6.3	4.6	3.4	2.6	2.9
19	2.5	2.5	2.5	2.2	2.2	2.4	2.9	6.7	4.4	3.1	2.7	2.9
20	2.7	2.5	2.5	2.2	2.2	2.5	2.9	6.6	4.2	3.1	2.9	2.9
21	2.7	2.5	2.5	2.2	2.2	2.5	3.1	6.2	4.2	3.0	2.9	2.9
22	2.7	2.7	2.5	2.2	2.2	2.5	3.3	6.1	4.2	3.0	3.0	3.0
23	2.7	2.7	2.5	2.2	2.4	2.4	3.5	6.2	4.1	3.0	2.8	3.0
24	2.7	2.7	2.5	2.2	2.4	2.4	3.8	11	4.1	3.0	2.9	3.0
25	2.7	2.5	2.5	2.4	2.4	2.7	3.7	7.7	4.2	3.0	2.9	2.9
26	2.7	2.5	2.5	2.4	2.4	2.5	3.8	6.4	4.1	3.0	2.8	2.9
27	2.9	2.5	2.5	2.4	2.4	2.5	3.6	6.3	3.9	3.0	2.8	3.0
28	2.9	2.5	2.5	2.4	2.4	2.5	3.5	6.1	3.8	3.0	2.8	3.0
29	2.9	2.5	2.4	2.4	---	2.5	3.4	6.1	3.8	3.0	2.8	3.0
30	2.7	2.5	2.4	2.4	---	2.5	3.3	6.2	3.8	3.0	2.8	3.0
31	2.5	---	2.4	2.2	---	2.5	---	6.4	---	3.0	2.8	---
TOTAL	83.7	75.8	77.8	71.9	63.2	76.3	86.1	186.3	140.2	103.7	86.6	87.5
MEAN	2.70	2.53	2.51	2.32	2.26	2.46	2.87	6.01	4.67	3.35	2.79	2.92
MAX	2.9	2.7	2.7	2.5	2.4	2.7	3.8	11	6.3	3.8	3.0	3.1
MIN	2.5	2.5	2.4	2.2	2.2	2.4	2.4	3.5	3.8	3.0	2.6	2.8
AC-FT	166	150	154	143	125	151	171	370	278	206	172	174
CAL YR 1974	TOTAL	1096.2	MEAN 3.00	MAX	4.1	MIN 2.1	AC-FT 2170					
WTR YR 1975	TOTAL	1139.1	MEAN 3.12	MAX	11	MIN 2.2	AC-FT 2260					

PEAK DISCHARGE (BASE, 10 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-3	2100	1.50	33	5-24	1700	1.39	24
5-9	2000	1.25	14				

10172800 South Willow Creek near Grantsville, Utah

LOCATION.--Lat 40°29'47", long 112°34'25", in SW¼NW¼SW¼ sec.6, T.4 S., R.6 W., Tooele County, on right bank 200 ft (61 m) upstream from Forest Service Guard Station, 1.7 miles (2.7 km) above Wasatch National Forest boundary, 9.2 miles (14.8 km) southwest of Grantsville, and 14.8 miles (23.8 km) west of Tooele.

DRAINAGE AREA.--4.19 mi² (10.85 km²). Area at crest-stage gage site, 3.26 mi² (8.44 km²).

PERIOD OF RECORD.--July 1963 to current year. Annual maximum only July 1960 to July 1963 at crest-stage gage site.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 6,360 ft (1,939 m) from topographic map. Prior to July 23, 1963, crest-stage gage only, at site 1.4 miles (2.3 km) upstream at different datum.

AVERAGE DISCHARGE.--12 years, 6.66 ft³/s (0.189 m³/s), 4,830 acre-ft/yr (5.96 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 56 ft³/s (1.59 m³/s) July 12 (gage height, 2.12 ft or 0.646 m); minimum, 2.1 ft³/s (0.059 m³/s) January 8.

Period of record: Maximum discharge, 92 ft³/s (2.61 m³/s) June 8, 1964 (gage height, 2.27 ft or 0.692 m); minimum daily, 1.7 ft³/s (0.048 m³/s) Jan. 6-12, 1967.

REMARKS.--Records good. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	2.9	2.4	2.2	2.4	2.6	2.9	5.1	25	23	11	6.6
2	3.2	2.9	2.4	2.2	2.4	2.8	2.9	5.1	26	23	11	6.6
3	3.2	2.8	2.4	2.2	2.4	2.8	2.9	5.6	27	24	10	6.6
4	3.3	2.8	2.4	2.2	2.4	2.8	2.9	6.3	28	23	10	6.1
5	3.2	2.8	2.4	2.2	2.4	2.8	2.9	6.6	28	23	11	6.1
6	3.1	2.9	2.3	2.2	2.4	2.8	3.0	6.8	33	20	11	6.1
7	3.1	2.8	2.3	2.2	2.4	2.8	2.9	7.0	36	19	11	6.1
8	3.1	2.8	2.3	2.3	2.4	2.8	2.9	7.0	40	22	11	6.1
9	3.2	2.8	2.3	2.2	2.4	2.8	2.9	7.2	44	21	11	6.1
10	3.1	2.8	2.3	2.2	2.4	2.8	3.1	8.3	32	22	10	6.1
11	3.1	2.8	2.3	2.2	2.4	2.8	3.1	9.1	29	23	9.0	6.1
12	2.9	2.8	2.3	2.2	2.4	2.6	3.2	9.7	26	29	9.0	6.1
13	2.9	2.8	2.4	2.2	2.4	2.6	3.5	10	29	32	9.0	6.1
14	2.9	2.8	2.3	2.2	2.4	2.6	3.6	15	31	29	9.0	6.1
15	2.9	2.8	2.3	2.2	2.4	2.6	3.6	20	37	19	9.0	6.1
16	2.9	2.8	2.3	2.2	2.4	2.6	3.6	24	34	20	8.8	5.7
17	2.9	2.6	2.3	2.2	2.4	2.8	3.6	25	33	20	8.7	5.7
18	2.9	2.6	2.3	2.2	2.4	2.8	3.6	29	31	17	9.0	5.7
19	2.9	2.6	2.3	2.2	2.3	2.8	3.6	29	26	19	8.4	5.6
20	2.9	2.6	2.3	2.2	2.4	2.9	3.6	26	23	18	8.4	5.7
21	2.9	2.4	2.3	2.3	2.3	2.9	3.6	28	20	16	8.1	5.5
22	2.9	2.6	2.3	2.3	2.3	2.9	3.8	28	17	17	8.0	5.3
23	2.9	2.4	2.2	2.3	2.3	2.9	4.1	24	18	16	7.9	5.3
24	2.9	2.4	2.2	2.3	2.3	2.9	4.1	21	20	15	7.8	5.3
25	2.9	2.4	2.2	2.3	2.4	3.1	4.2	20	20	14	7.7	5.3
26	2.9	2.4	2.2	2.3	2.4	2.9	4.3	19	20	13	7.5	5.3
27	2.9	2.4	2.2	2.3	2.6	2.9	4.3	20	20	13	7.0	5.3
28	3.0	2.4	2.2	2.3	2.6	2.8	4.5	21	21	12	7.0	5.3
29	3.0	2.4	2.2	2.3	---	2.9	5.0	22	20	12	7.0	5.3
30	2.8	2.4	2.2	2.3	---	2.9	5.0	23	20	12	7.0	5.0
31	2.9	---	2.2	2.3	---	2.9	---	24	---	11	6.8	---
TOTAL	92.8	79.7	71.0	69.4	67.1	86.9	107.2	511.8	814	597	277.1	174.3
MEAN	2.99	2.66	2.29	2.24	2.40	2.80	3.57	16.5	27.1	19.3	8.94	5.81
MAX	3.3	2.9	2.4	2.3	2.6	3.1	5.0	29	44	32	11	6.6
MIN	2.8	2.4	2.2	2.2	2.3	2.6	2.9	5.1	17	11	6.8	5.0
AC-FT	184	158	141	138	133	172	213	1020	1610	1180	550	346

CAL YR 1974 TOTAL 2083.8 MEAN 5.71 MAX 25 MIN 2.2 AC-FT 4130
WTR YR 1975 TOTAL 2948.3 MEAN 8.08 MAX 44 MIN 2.2 AC-FT 5850

PEAK DISCHARGE (BASE, 20 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-18	1700	1.90	34	6-17	1300	2.02	43
6-9	2100	2.10	53	7-12	1800	2.12	56

GREAT SALT LAKE DESERT

10172870 Trout Creek near Callao, Utah

LOCATION.--Lat 39°44'39", long 113°53'21", in SW¼NW¼SW¼ sec.28, T.12 S., R.18 W., Juab County, on left bank 2.9 miles (4.7 km) upstream from Birch Creek and 14 miles (23 km) southwest of Callao.

DRAINAGE AREA.--8.8 mi² (22.8 km²), approximately.

PERIOD OF RECORD.--October 1958 to current year. Monthly discharge only for October and November 1958, published in WSP 1734.

GAGE.--Water-stage recorder. Altitude of gage is 6,200 ft (1,890 m) from topographic map.

AVERAGE DISCHARGE.--17 years, 5.33 ft³/s (0.151 m³/s), 3,860 acre-ft/yr (4.76 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 118 ft³/s (3.44 m³/s) June 8; (gage height, 2.03 ft or 0.619 m); maximum gage height, 2.81 ft (0.856 m) June 7 (control filled in); minimum, 1.0 ft³/s (0.028 m³/s) Jan. 28, 29, Feb. 16.
Period of record: Maximum discharge, 129 ft³/s (3.65 m³/s) May 20, 1973 (gage height, 2.81 ft or 0.856 m); minimum, 0.24 ft³/s (0.01 m³/s) Feb. 25, 1969.

REMARKS.--Records good. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	2.2	1.6	1.4	1.2	1.5	1.4	2.0	33	22	5.9	2.0
2	1.4	2.2	1.6	1.4	1.2	1.6	1.4	2.1	37	22	5.6	2.1
3	1.7	2.0	1.6	1.4	1.2	1.6	1.4	3.4	48	22	5.3	2.1
4	1.7	1.9	1.6	1.4	1.2	1.6	1.4	4.3	60	21	4.9	2.1
5	1.8	1.9	1.5	1.4	1.2	1.5	1.4	3.9	55	21	4.7	2.0
6	1.6	1.8	1.7	1.4	1.2	1.5	1.4	3.5	60	20	4.6	1.9
7	1.5	1.8	1.5	1.4	1.2	1.5	1.4	3.2	90	20	4.2	1.9
8	1.5	1.8	1.5	1.4	1.2	1.5	1.4	3.1	86	19	4.2	1.9
9	1.6	1.8	1.5	1.3	1.2	1.5	1.5	3.7	80	18	4.1	2.1
10	1.5	1.7	1.5	1.3	1.2	1.5	1.3	4.7	54	17	3.8	2.3
11	1.6	1.8	1.5	1.3	1.2	1.4	1.3	7.9	47	17	3.9	2.5
12	1.6	1.8	1.5	1.3	1.2	1.4	1.2	11	49	16	3.9	3.4
13	1.5	1.8	1.5	1.3	1.2	1.4	1.3	12	46	15	3.8	2.5
14	1.5	1.8	1.5	1.3	1.3	1.4	1.4	14	52	15	3.6	2.4
15	1.5	1.8	1.5	1.3	1.3	1.5	1.3	20	41	14	3.4	2.3
16	1.5	1.7	1.5	1.3	1.3	1.4	1.3	21	51	13	3.3	2.2
17	1.5	1.7	1.5	1.3	1.3	1.4	1.5	21	65	13	3.1	2.2
18	1.5	1.7	1.5	1.3	1.3	1.4	1.6	23	50	12	3.0	2.1
19	1.5	1.7	1.4	1.3	1.3	1.5	1.5	27	40	11	3.2	2.2
20	1.5	1.7	1.5	1.3	1.3	1.5	1.5	26	36	10	3.4	2.1
21	1.6	1.7	1.5	1.3	1.2	1.5	1.7	20	27	9.9	3.7	2.1
22	1.6	1.7	1.4	1.3	1.4	1.4	2.2	16	23	9.2	3.6	2.1
23	1.8	1.7	1.4	1.3	1.4	1.4	2.2	13	22	8.8	3.0	2.0
24	1.8	1.7	1.4	1.4	1.4	1.4	2.5	13	22	8.5	2.9	2.0
25	1.8	1.6	1.4	1.4	1.4	1.5	3.1	14	25	7.9	2.7	2.0
26	1.8	1.7	1.4	1.4	1.3	1.5	2.6	14	23	7.6	2.5	1.9
27	1.8	1.7	1.4	1.3	1.3	1.5	2.4	15	23	7.2	2.4	1.8
28	2.3	1.6	1.4	1.2	1.4	1.5	2.2	16	24	7.0	2.3	1.8
29	2.1	1.6	1.4	1.2	---	1.5	2.1	16	25	6.8	2.2	1.8
30	1.9	1.6	1.4	1.2	---	1.5	2.1	18	24	6.8	2.1	1.8
31	2.0	---	1.4	1.2	---	1.4	---	24	---	6.4	2.0	---
TOTAL	51.4	53.2	46.0	41.0	35.5	45.7	51.0	395.8	1318	424.1	111.3	63.6
MEAN	1.66	1.77	1.48	1.32	1.27	1.47	1.70	12.8	43.9	13.7	3.59	2.12
MAX	2.3	2.2	1.7	1.4	1.4	1.6	3.1	27	90	22	5.9	3.4
MIN	1.4	1.6	1.4	1.2	1.2	1.4	1.2	2.0	22	6.4	2.0	1.8
AC-FT	102	106	91	81	70	91	101	785	2610	841	221	126
CAL YR 1974	TOTAL	1436.9	MEAN	3.94	MAX	27	MIN	1.3	AC-FT	2850		
WTR YR 1975	TOTAL	2636.6	MEAN	7.22	MAX	90	MIN	1.2	AC-FT	5230		

PEAK DISCHARGE (BASE, 20 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-20	0200	1.77	29	6-17	1400	1.75	91
6-8	2300	2.03	118				

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	9.4	9.5	9.4	9.5	10	10	9.8	9.1	8.8	8.6	8.2
2	9.7	9.3	9.4	9.4	9.5	10	10	9.8	9.2	8.8	8.6	8.2
3	8.9	9.3	9.2	9.4	9.5	10	9.7	9.7	9.3	8.8	8.6	8.2
4	9.0	9.3	9.4	9.4	9.5	9.7	9.6	9.7	9.4	8.8	8.6	8.2
5	9.1	9.4	9.4	9.4	9.5	9.9	9.7	9.7	9.4	8.8	8.6	8.2
6	9.1	9.4	9.2	9.4	9.5	10	9.7	9.7	9.2	8.8	8.5	8.2
7	9.3	9.4	9.3	9.5	9.5	10	9.5	9.6	8.9	8.8	8.5	8.2
8	9.3	9.4	9.3	9.6	9.5	10	9.7	9.7	8.8	8.8	8.5	8.2
9	9.1	9.4	9.2	9.5	9.5	9.9	10	9.6	8.8	8.8	8.5	8.2
10	9.1	9.4	9.3	9.4	9.5	9.9	10	9.3	8.8	8.8	8.5	8.2
11	9.2	9.5	9.4	9.4	9.5	9.9	9.7	9.4	8.7	8.8	8.4	8.0
12	9.1	9.5	9.4	9.4	9.5	10	9.7	9.5	8.8	8.8	8.4	8.0
13	9.1	9.9	9.5	9.4	9.6	10	9.7	9.2	8.8	8.8	8.4	8.0
14	9.3	9.3	9.4	9.4	9.4	10	9.6	9.4	8.7	8.8	8.4	8.0
15	9.4	9.5	9.2	9.4	9.4	10	9.7	9.4	8.8	8.8	8.4	8.0
16	9.4	9.4	9.4	9.4	9.6	10	9.8	9.3	8.8	8.9	8.4	8.0
17	9.4	9.4	9.5	9.4	9.6	10	9.7	9.4	8.7	8.7	8.4	8.0
18	9.4	9.6	9.4	9.4	9.6	10	9.8	9.3	8.8	8.9	8.4	8.0
19	9.4	9.5	9.3	9.4	10	10	10	9.3	8.7	8.8	8.4	8.1
20	9.5	9.4	9.4	9.4	9.6	9.8	9.7	9.3	8.8	8.9	8.4	8.0
21	9.4	9.4	9.4	9.4	9.5	9.9	9.6	9.1	8.7	8.8	8.3	8.0
22	9.4	9.5	9.5	9.4	9.7	10	9.7	9.2	8.8	8.9	8.3	8.1
23	9.6	9.5	9.5	9.4	9.5	9.9	9.7	9.2	8.9	9.0	8.3	8.2
24	9.3	9.5	9.3	9.5	9.5	9.9	9.6	9.2	8.8	8.9	8.3	8.1
25	9.5	9.5	9.5	9.5	9.7	10	9.8	9.2	8.9	8.8	8.3	8.1
26	9.2	9.5	9.3	9.5	10	9.9	9.6	9.2	8.9	8.8	8.3	8.2
27	9.1	9.5	9.6	9.5	9.9	10	9.6	9.4	8.9	8.8	8.3	8.2
28	9.3	9.5	9.5	9.5	10	9.8	9.7	9.3	8.9	8.8	8.3	8.1
29	9.3	9.5	9.8	9.5	---	9.7	9.7	9.2	8.9	8.8	8.3	8.1
30	9.2	9.4	9.5	9.5	---	10	9.7	9.2	8.9	8.7	8.3	8.1
31	9.3	---	9.4	9.5	---	9.8	---	9.2	---	8.7	8.3	---
TOTAL	288.4	283.5	291.4	292.6	268.6	308.0	292.0	291.5	267.1	273.2	260.8	243.3
MEAN	9.30	9.45	9.40	9.44	9.59	9.94	9.73	9.40	8.90	8.81	8.41	8.11
MAX	10	9.9	9.8	9.6	10	10	10	9.8	9.4	9.0	8.6	8.2
MIN	8.9	9.3	9.2	9.4	9.4	9.7	9.5	9.1	8.7	8.7	8.3	8.0
AC-FT	572	562	578	580	533	611	579	578	530	542	517	483
CAL YR 1973	TOTAL	3449.6	MEAN	9.45	MAX	10	MIN	8.9	AC-FT	6840		
WTR YR 1974	TOTAL	3360.4	MEAN	9.21	MAX	10	MIN	8.0	AC-FT	6670		

TRIBUTARIES BETWEEN GREAT SALT LAKE DESERT AND BEAR RIVER

10172965 Bar M Spring at Locomotive Springs near Snowville, Utah

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	9.0	8.6	8.6	8.6	8.6	8.9	9.4	8.9	8.8	8.8	8.8
2	8.2	9.0	8.5	8.6	8.6	8.7	8.8	9.4	8.9	8.8	8.8	8.8
3	8.5	9.0	8.6	8.6	8.6	8.6	9.0	9.6	9.0	8.8	8.8	8.8
4	8.1	9.0	8.8	8.6	8.6	8.7	9.1	9.8	8.8	8.7	8.8	8.8
5	8.2	9.0	8.7	8.6	8.6	8.9	9.1	9.7	8.8	8.8	8.8	8.8
6	8.1	8.6	8.4	8.6	8.6	8.9	9.1	9.7	8.9	8.8	8.8	8.8
7	8.2	8.6	8.5	8.6	8.6	8.6	9.2	9.7	8.9	9.0	8.8	8.8
8	8.3	8.6	8.3	8.6	8.6	8.8	9.0	9.7	8.8	8.9	8.8	8.8
9	8.4	8.6	8.6	8.6	8.6	8.9	8.9	9.6	8.8	8.8	8.8	8.8
10	8.4	8.6	8.6	8.6	8.6	8.9	9.0	9.6	8.7	8.8	8.8	8.8
11	8.3	8.6	8.6	8.6	8.6	8.8	9.0	9.8	8.8	8.8	8.8	8.8
12	8.2	8.6	8.6	8.6	8.6	8.7	9.0	9.6	8.8	8.8	8.8	8.8
13	8.3	8.6	8.8	8.6	8.6	8.6	9.0	9.6	8.8	8.8	8.8	8.9
14	8.3	8.6	8.5	8.6	8.7	8.7	9.2	9.7	8.8	8.8	8.8	8.9
15	8.3	8.6	8.7	8.6	8.6	8.6	9.2	9.8	8.9	8.8	8.8	8.8
16	8.3	8.6	8.6	8.6	8.6	8.7	9.2	9.9	8.8	8.8	8.8	8.9
17	8.4	8.6	8.8	8.6	8.4	8.6	9.2	9.8	8.9	8.8	8.8	8.8
18	8.3	8.6	8.7	8.6	8.4	8.9	9.0	9.7	8.9	8.8	8.8	8.7
19	8.4	8.6	8.7	8.6	8.6	8.9	9.0	10	8.8	8.8	8.8	8.7
20	8.6	8.6	8.8	8.6	8.7	8.9	9.1	10	9.6	8.8	8.8	8.7
21	9.0	8.8	8.8	8.6	8.3	8.9	9.1	10	8.9	8.8	8.8	8.6
22	8.7	8.7	8.7	8.6	8.2	9.1	9.2	9.9	8.8	8.8	8.8	8.7
23	9.0	8.3	8.6	8.6	8.4	8.7	9.3	10	8.8	8.8	8.8	8.7
24	8.7	8.4	8.6	8.6	8.8	8.8	9.2	10	8.8	8.8	8.8	8.7
25	8.7	8.5	8.6	8.6	9.1	9.5	9.5	9.6	8.8	8.8	8.8	8.8
26	8.8	8.5	8.6	8.6	9.0	9.0	9.2	9.4	8.8	8.8	8.8	8.8
27	8.9	8.6	8.6	8.6	8.7	8.5	9.3	9.1	8.8	8.8	8.8	8.7
28	9.1	8.6	8.6	8.6	8.6	8.2	9.1	9.0	8.8	8.8	8.8	8.7
29	9.0	8.4	8.6	8.6	---	8.0	9.4	9.1	8.8	8.8	8.8	8.8
30	9.0	8.6	8.6	8.6	---	8.1	9.4	9.0	8.8	8.8	8.8	8.7
31	9.0	---	8.6	8.6	---	9.1	---	8.9	---	8.8	8.8	---
TOTAL	263.4	259.4	267.3	266.6	240.9	270.9	273.7	298.1	265.7	273.0	272.8	263.2
MEAN	8.51	8.65	8.62	8.60	8.60	8.74	9.12	9.62	8.86	8.81	8.80	8.77
MAX	9.1	9.0	8.8	8.6	9.1	9.5	9.5	10	9.6	9.0	8.8	8.9
MIN	8.1	8.3	8.3	8.6	8.2	8.0	8.8	8.9	8.7	8.7	8.8	8.6
AC-FT	523	515	530	529	478	537	543	591	527	541	541	522

CAL YR 1974 TOTAL 3287.7 MEAN 9.01 MAX 10 MIN 8.0 AC-FT 6520
WTR YR 1975 TOTAL 3215.5 MEAN 8.81 MAX 10 MIN 8.0 AC-FT 6380

NOTE.--No gage-height record Dec. 28 to Feb. 9.

TRIBUTARIES BETWEEN GREAT SALT LAKE DESERT AND BEAR RIVER

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10172967 Off spring at Locomotive Springs, near Snowville, Utah

LOCATION.--Lat 41°42'12", long 112°54'40", in SW¼ sec.6, T.11 N., R.9 W., Box Elder County, at Locomotive Springs State Waterfowl Management area on the north end of the north arm of the Great Salt Lake 20 miles (32 km) southwest of Snowville, Utah.

PERIOD OF RECORD.--December 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,208.4 ft (1,282.72 m).

AVERAGE DISCHARGE.--6 years, 1.27 ft³/s (0.036 m³/s) 920 acre-ft/yr (1.13 hm³/yr).

EXTREMES.--1973-74: Maximum daily discharge, 1.5 ft³/s (0.042 m³/s) many days in April; minimum daily, 0.98 ft³/s (0.028 m³/s) Sept. 5, 1974-75: Maximum daily discharge, 1.9 ft³/s (0.054 m³/s) May 24-31; minimum daily, 1.0 ft³/s (0.028 m³/s) many days in Oct. and Nov.
Period of record: Maximum daily discharge, 1.9 ft³/s (0.054 m³/s) May 24-31, 1975; minimum daily, 0.91 ft³/s (0.026 m³/s) July 2, 3, 1972.

REMARKS.--Records good except those for periods of no gage-height record, which are fair.

 DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.1	1.2	1.2	1.2	1.2	1.4	1.4	1.3	1.1	1.0	1.0
2	1.1	1.1	1.1	1.2	1.2	1.2	1.4	1.4	1.3	1.1	1.0	1.0
3	1.1	1.1	1.1	1.2	1.2	1.2	1.4	1.4	1.3	1.1	1.0	1.0
4	1.1	1.1	1.1	1.2	1.2	1.2	1.4	1.4	1.3	1.1	1.0	.99
5	1.1	1.1	1.1	1.2	1.2	1.2	1.5	1.4	1.3	1.1	1.0	.98
6	1.1	1.1	1.1	1.2	1.2	1.3	1.5	1.4	1.3	1.1	1.0	.99
7	1.1	1.1	1.1	1.2	1.2	1.3	1.5	1.4	1.3	1.1	1.0	1.0
8	1.1	1.1	1.1	1.2	1.2	1.3	1.5	1.4	1.3	1.1	1.0	.99
9	1.1	1.1	1.1	1.2	1.2	1.3	1.5	1.4	1.3	1.1	1.0	.99
10	1.1	1.1	1.1	1.2	1.2	1.4	1.5	1.4	1.3	1.1	1.0	.99
11	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.4	1.3	1.1	1.0	1.0
12	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.4	1.2	1.1	1.0	1.0
13	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.4	1.2	1.1	1.0	1.0
14	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.4	1.2	1.1	1.0	.99
15	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.4	1.2	1.1	1.0	.99
16	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.3	1.2	1.1	.99	.99
17	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.3	1.2	1.1	1.0	.99
18	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.3	1.2	1.1	1.0	1.0
19	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.3	1.2	1.1	1.0	1.0
20	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.2	1.2	1.1	1.0	.99
21	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.2	1.2	1.1	1.0	1.0
22	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.2	1.2	1.1	.99	1.0
23	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.3	1.2	1.1	.99	1.0
24	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.3	1.2	1.1	1.0	1.0
25	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.3	1.2	1.1	1.0	1.0
26	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.3	1.2	1.1	1.0	1.0
27	1.1	1.1	1.2	1.2	1.2	1.4	1.4	1.3	1.2	1.1	1.0	1.0
28	1.1	1.1	1.2	1.2	1.2	1.4	1.4	1.3	1.2	1.0	1.0	1.0
29	1.1	1.1	1.2	1.2	---	1.4	1.4	1.3	1.1	1.0	1.0	1.0
30	1.1	1.1	1.2	1.2	---	1.4	1.4	1.3	1.1	1.1	1.0	1.0
31	1.1	---	1.2	1.2	---	1.4	---	1.3	---	1.0	.99	---
TOTAL	34.1	33.0	36.3	37.2	33.6	42.0	44.2	41.5	36.9	33.8	30.96	29.88
MEAN	1.10	1.10	1.17	1.20	1.20	1.35	1.47	1.34	1.23	1.09	1.00	1.00
MAX	1.1	1.1	1.2	1.2	1.2	1.4	1.5	1.4	1.3	1.1	1.0	1.0
MIN	1.1	1.1	1.1	1.2	1.2	1.2	1.4	1.2	1.1	1.0	.99	.98
AC-FT	68	65	72	74	67	83	88	82	73	67	61	59

CAL YR 1973 TOTAL 449.40 MEAN 1.23 MAX 1.4 MIN 1.1 AC-FT 891
WTR YR 1974 TOTAL 433.44 MEAN 1.19 MAX 1.5 MIN .98 AC-FT 860

NOTE.--No gage-height record Oct. 29 to Nov. 29.

TRIBUTARIES BETWEEN GREAT SALT LAKE DESERT AND BEAR RIVER

10172967 Off spring at Locomotive Springs, near Snowville, Utah

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.6	1.8	1.4	1.3	1.2
2	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.6	1.8	1.4	1.3	1.2
3	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.6	1.8	1.4	1.3	1.2
4	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.6	1.8	1.4	1.3	1.2
5	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.7	1.8	1.4	1.3	1.2
6	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.7	1.8	1.4	1.3	1.2
7	1.1	1.0	1.1	1.1	1.2	1.3	1.4	1.7	1.7	1.4	1.3	1.2
8	1.1	1.0	1.1	1.2	1.2	1.3	1.4	1.6	1.7	1.4	1.3	1.2
9	1.1	1.0	1.1	1.2	1.2	1.3	1.4	1.7	1.7	1.4	1.2	1.2
10	1.1	1.0	1.1	1.2	1.2	1.3	1.5	1.7	1.7	1.3	1.2	1.2
11	1.1	1.0	1.1	1.1	1.2	1.3	1.5	1.7	1.7	1.3	1.2	1.2
12	1.0	1.0	1.1	1.1	1.2	1.3	1.5	1.6	1.7	1.3	1.2	1.2
13	1.1	1.0	1.1	1.1	1.2	1.3	1.5	1.7	1.7	1.3	1.2	1.2
14	1.1	1.0	1.1	1.1	1.2	1.3	1.5	1.7	1.7	1.3	1.2	1.2
15	1.1	1.0	1.1	1.1	1.2	1.3	1.5	1.7	1.6	1.3	1.2	1.2
16	1.1	1.0	1.1	1.1	1.2	1.3	1.5	1.7	1.6	1.3	1.2	1.2
17	1.1	1.0	1.1	1.1	1.2	1.3	1.5	1.7	1.6	1.3	1.2	1.2
18	1.1	1.0	1.1	1.1	1.2	1.3	1.5	1.7	1.6	1.3	1.2	1.2
19	1.1	1.0	1.1	1.1	1.2	1.3	1.7	1.7	1.6	1.3	1.2	1.2
20	1.1	1.0	1.1	1.1	1.2	1.3	1.6	1.7	1.5	1.3	1.2	1.2
21	1.0	1.1	1.1	1.1	1.2	1.3	1.6	1.8	1.5	1.3	1.2	1.2
22	1.0	1.1	1.1	1.1	1.2	1.3	1.6	1.8	1.5	1.3	1.2	1.2
23	1.0	1.1	1.1	1.1	1.2	1.3	1.6	1.8	1.5	1.2	1.2	1.2
24	1.0	1.1	1.1	1.1	1.2	1.3	1.6	1.9	1.5	1.2	1.2	1.2
25	1.0	1.1	1.1	1.1	1.2	1.3	1.6	1.9	1.5	1.2	1.2	1.2
26	1.0	1.1	1.1	1.1	1.2	1.3	1.6	1.9	1.5	1.3	1.2	1.2
27	1.0	1.1	1.1	1.1	1.2	1.3	1.6	1.9	1.5	1.3	1.2	1.2
28	1.0	1.1	1.1	1.1	1.2	1.3	1.6	1.9	1.5	1.3	1.2	1.2
29	1.0	1.1	1.1	1.1	---	1.3	1.6	1.9	1.5	1.3	1.2	1.2
30	1.0	1.1	1.1	1.1	---	1.3	1.6	1.9	1.4	1.3	1.2	1.2
31	1.0	---	1.1	1.1	---	1.3	---	1.9	---	1.3	1.2	---
TOTAL	32.3	31.0	34.1	34.4	33.6	40.3	45.4	54.0	48.8	40.9	38.0	36.0
MEAN	1.04	1.03	1.10	1.11	1.20	1.30	1.51	1.74	1.63	1.32	1.23	1.20
MAX	1.1	1.1	1.1	1.2	1.2	1.3	1.7	1.9	1.8	1.4	1.3	1.2
MIN	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.6	1.4	1.2	1.2	1.2
AC-FT	64	61	68	68	67	80	90	107	97	81	75	71

CAL YR 1974 TOTAL 427.44 MEAN 1.17 MAX 1.5 MIN .98 AC-FT 848
WTR YR 1975 TOTAL 468.80 MEAN 1.28 MAX 1.9 MIN 1.0 AC-FT 930

NOTE.--No gage-height record Jan. 19 to Apr. 8

10172968 Sparks Spring at Locomotive Springs near Snowville, Utah

LOCATION.--Lat 41°41'50", long 112°53'32", in NE¼ sec.8, T.11 N., R.9 W., Box Elder County, at Locomotive Springs State Waterfowl Management area on north end of the north arm of the Great Salt Lake and 20 miles (32 km) southwest of Snowville, Utah.

PERIOD OF RECORD.--December 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,212.0 ft (1,283.82 m).

AVERAGE DISCHARGE.--6 years, 1.33 ft³/s (0.038 m³/s) 964 acre-ft/yr (1.19 hm³/yr).

EXTREMES.--1973-74: Maximum daily discharge, 1.7 ft³/s (0.048 m³/s) May 22, 23; minimum daily, 0.96 ft³/s (0.027 m³/s) Oct. 30.
 1974-75: Maximum daily discharge, 2.0 ft³/s (0.057 m³/s) May 24, 28; minimum daily, 1.0 ft³/s (0.028 m³/s) July 26, Aug. 1, 8.
 Period of record: Maximum daily discharge, 2.1 ft³/s (0.059 m³/s) Apr. 25, 1971; minimum daily, 0.80 ft³/s (0.023 m³/s) many days in July, Aug., Sept., Oct. 1972.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.1	1.2	1.2	1.3	1.2	1.4	1.4	1.5	1.3	1.2	1.2
2	1.1	1.1	1.2	1.2	1.3	1.4	1.5	1.4	1.5	1.3	1.2	1.2
3	1.1	1.1	1.1	1.2	1.3	1.4	1.2	1.4	1.6	1.2	1.2	1.2
4	1.1	1.0	1.1	1.2	1.3	1.2	1.2	1.4	1.5	1.2	1.2	1.2
5	1.2	1.1	1.1	1.2	1.3	1.3	1.3	1.4	1.6	1.3	1.2	1.2
6	1.2	1.1	1.1	1.2	1.3	1.4	1.4	1.4	1.5	1.2	1.2	1.2
7	1.2	1.1	1.1	1.2	1.4	1.3	1.2	1.4	1.6	1.2	1.2	1.2
8	1.3	1.1	1.1	1.2	1.4	1.3	1.3	1.4	1.4	1.2	1.2	1.2
9	1.2	1.1	1.1	1.2	1.4	1.3	1.4	1.4	1.5	1.2	1.2	1.2
10	1.1	1.1	1.2	1.2	1.4	1.3	1.5	1.3	1.5	1.3	1.2	1.2
11	1.1	1.1	1.2	1.2	1.4	1.3	1.3	1.2	1.5	1.2	1.2	1.1
12	1.1	1.1	1.2	1.2	1.4	1.3	1.4	1.3	1.5	1.2	1.2	1.2
13	1.1	1.1	1.2	1.2	1.5	1.3	1.2	1.1	1.5	1.2	1.2	1.2
14	1.1	1.1	1.2	1.2	1.4	1.3	1.3	1.2	1.4	1.2	1.2	1.2
15	1.1	1.1	1.2	1.2	1.4	1.3	1.3	1.2	1.4	1.2	1.2	1.2
16	1.1	1.1	1.2	1.3	1.4	1.3	1.3	1.1	1.4	1.3	1.2	1.2
17	1.0	1.1	1.2	1.3	1.5	1.3	1.3	1.3	1.4	1.2	1.2	1.2
18	1.1	1.2	1.3	1.3	1.4	1.3	1.3	1.2	1.4	1.2	1.2	1.2
19	1.0	1.1	1.2	1.3	1.5	1.3	1.4	1.2	1.3	1.2	1.2	1.2
20	1.1	1.0	1.2	1.3	1.4	1.2	1.3	1.3	1.4	1.2	1.1	1.2
21	1.0	1.1	1.2	1.3	1.3	1.2	1.3	1.3	1.3	1.2	1.2	1.2
22	1.0	1.1	1.3	1.3	1.4	1.4	1.3	1.7	1.3	1.2	1.2	1.2
23	1.1	1.1	1.3	1.3	1.3	1.2	1.2	1.7	1.3	1.2	1.2	1.2
24	1.0	1.2	1.3	1.3	1.3	1.2	1.2	1.6	1.3	1.2	1.2	1.2
25	1.1	1.1	1.2	1.3	1.4	1.3	1.4	1.6	1.3	1.2	1.2	1.2
26	.98	1.2	1.2	1.3	1.4	1.3	1.3	1.6	1.3	1.2	1.2	1.3
27	1.0	1.1	1.2	1.3	1.4	1.3	1.3	1.6	1.2	1.2	1.2	1.2
28	1.0	1.1	1.2	1.3	1.3	1.4	1.4	1.6	1.3	1.2	1.2	1.2
29	1.1	1.1	1.2	1.3	---	1.2	1.3	1.6	1.3	1.2	1.2	1.3
30	.96	1.1	1.2	1.3	---	1.4	1.3	1.5	1.3	1.2	1.2	1.3
31	1.1	---	1.2	1.3	---	1.2	---	1.5	---	1.2	1.2	---
TOTAL	33.74	33.1	36.9	38.8	38.5	40.1	39.5	43.3	42.3	37.7	37.1	36.2
MEAN	1.09	1.10	1.19	1.25	1.38	1.29	1.32	1.40	1.41	1.22	1.20	1.21
MAX	1.3	1.2	1.3	1.3	1.5	1.4	1.5	1.7	1.6	1.3	1.2	1.3
MIN	.96	1.0	1.1	1.2	1.3	1.2	1.2	1.1	1.2	1.2	1.1	1.1
AC-FT	67	66	73	77	76	80	78	86	84	75	74	72

CAL YR 1973 TOTAL 437.14 MEAN 1.20 MAX 1.6 MIN .96 AC-FT 867
 WTR YR 1974 TOTAL 457.24 MEAN 1.25 MAX 1.7 MIN .96 AC-FT 907

NOTE.--No gage-height record Dec. 26 to Feb. 1.

TRIBUTARIES BETWEEN GREAT SALT LAKE DESERT AND BEAR RIVER

10172968 Sparks Spring at Locomotive Springs near Snowville, Utah

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.3	1.4	1.3	1.3	1.5	1.5	1.6	1.8	1.5	1.0	1.1
2	1.3	1.3	1.4	1.3	1.3	1.5	1.4	1.6	1.8	1.5	1.1	1.1
3	1.3	1.3	1.4	1.3	1.3	1.5	1.6	1.7	1.9	1.4	1.1	1.1
4	1.3	1.3	1.4	1.3	1.3	1.5	1.6	1.8	1.8	1.4	1.1	1.1
5	1.3	1.3	1.4	1.3	1.3	1.5	1.5	1.7	1.7	1.4	1.1	1.1
6	1.3	1.3	1.3	1.3	1.3	1.6	1.5	1.7	1.8	1.4	1.1	1.2
7	1.3	1.3	1.4	1.3	1.3	1.5	1.6	1.7	1.8	1.3	1.1	1.2
8	1.3	1.3	1.4	1.3	1.3	1.5	1.5	1.7	1.7	1.3	1.0	1.2
9	1.3	1.3	1.4	1.3	1.3	1.5	1.5	1.7	1.7	1.3	1.1	1.2
10	1.3	1.3	1.4	1.3	1.3	1.5	1.5	1.7	1.7	1.3	1.1	1.3
11	1.3	1.3	1.4	1.3	1.3	1.6	1.5	1.8	1.6	1.3	1.1	1.2
12	1.3	1.3	1.4	1.3	1.3	1.5	1.6	1.7	1.7	1.4	1.1	1.2
13	1.3	1.3	1.5	1.3	1.3	1.4	1.4	1.7	1.7	1.3	1.1	1.2
14	1.3	1.3	1.4	1.3	1.3	1.5	1.5	1.8	1.6	1.2	1.1	1.2
15	1.3	1.3	1.5	1.3	1.3	1.4	1.6	1.8	1.6	1.2	1.1	1.2
16	1.3	1.3	1.4	1.3	1.3	1.5	1.6	1.8	1.6	1.2	1.1	1.2
17	1.3	1.3	1.4	1.3	1.3	1.4	1.6	1.8	1.7	1.2	1.1	1.2
18	1.3	1.3	1.3	1.3	1.3	1.5	1.6	1.7	1.6	1.2	1.1	1.2
19	1.3	1.3	1.4	1.3	1.3	1.5	1.5	1.9	1.7	1.2	1.1	1.2
20	1.3	1.3	1.3	1.3	1.3	1.5	1.6	1.9	1.7	1.1	1.1	1.2
21	1.3	1.3	1.3	1.3	1.3	1.4	1.5	1.8	1.7	1.1	1.1	1.2
22	1.3	1.4	1.3	1.3	1.3	1.6	1.6	1.8	1.5	1.1	1.1	1.2
23	1.3	1.3	1.3	1.3	1.3	1.5	1.6	1.8	1.6	1.1	1.1	1.2
24	1.3	1.3	1.3	1.3	1.3	1.4	1.5	2.0	1.5	1.1	1.1	1.2
25	1.3	1.4	1.3	1.3	1.3	1.8	1.6	1.7	1.7	1.1	1.1	1.2
26	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.8	1.6	1.0	1.2	1.2
27	1.3	1.4	1.3	1.3	1.3	1.5	1.7	1.9	1.6	1.1	1.1	1.2
28	1.3	1.5	1.3	1.3	1.4	1.7	1.7	2.0	1.5	1.1	1.2	1.2
29	1.3	1.5	1.3	1.3	-----	1.8	1.7	1.8	1.5	1.1	1.1	1.2
30	1.3	1.4	1.3	1.3	-----	1.8	1.8	1.8	1.5	1.2	1.1	1.2
31	1.3	-----	1.3	1.3	-----	1.6	-----	1.8	-----	1.1	1.2	-----
TOTAL	40.3	39.8	42.2	40.3	36.5	47.6	47.0	55.0	49.9	38.2	34.2	35.6
MEAN	1.30	1.33	1.36	1.30	1.30	1.54	1.57	1.77	1.66	1.23	1.10	1.19
MAX	1.3	1.5	1.5	1.3	1.4	1.8	1.8	2.0	1.9	1.5	1.2	1.3
MIN	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.6	1.5	1.0	1.0	1.1
AC-FT	80	79	84	80	72	94	93	109	99	76	68	71

CAL YR 1974 TOTAL 475.8 MEAN 1.30 MAX 1.7 MIN 1.1 AC-FT 944
WTR YR 1975 TOTAL 506.6 MEAN 1.39 MAX 2.0 MIN 1.0 AC-FT 1,000

NOTE.--No gage-height record Dec. 21 to Feb. 28.

SEVIER LAKE BASIN

253

10173450 Mammoth Creek above West Hatch Ditch, near Hatch, Utah

LOCATION.—Lat 37°37'19", long 112°31'07", in NE¼NW¼SW¼ sec.3, T.37 S., R.6 W., Garfield County, on left bank 0.5 mile (0.8 km) upstream from West Hatch ditch diversion, 2 miles (3 km) upstream from Spring Hollow, 4.5 miles (7.2 km) upstream from mouth, and 5 miles (8 km) southwest of Hatch.

DRAINAGE AREA.—105 mi² (272 km²).

PERIOD OF RECORD.—October 1964 to current year.

GAGE.—Water-stage recorder. Altitude of gage is 7,300 ft (2,225 m) from topographic map.

AVERAGE DISCHARGE.—11 years, 48.4 ft³/s (1.371 m³/s), 35,070 acre-ft/yr (43.2 hm³/yr).

EXTREMES.—Current year: Maximum recorded discharge, 496 ft³/s (14.05 m³/s) June 7 (gage height, 4.13 ft or 1.259 m); minimum observed, 6.2 ft³/s (0.18 m³/s) Feb. 26.

Period of record: Maximum discharge, 631 ft³/s (17.9 m³/s) May 28, 1969 (gage height, 4.85 ft or 1.478 m); minimum discharge recorded, 0.20 ft³/s (0.006 m³/s) Feb. 4, 1971, result of ice jam.

REMARKS.—Records good, except during the winter period, which are poor. One small diversion for irrigation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	11	9.6	8.4	8.2	8.8	8.5	9.6	312	74	30	20
2	9.3	10	9.3	8.4	8.5	9.0	8.6	10	354	67	30	20
3	10	10	9.0	8.3	8.7	8.5	8.7	9.5	387	63	29	21
4	9.7	9.9	9.1	8.3	8.5	8.0	8.7	9.5	386	62	28	20
5	9.7	10	9.3	8.3	8.7	7.3	8.8	11	414	61	27	19
6	9.7	10	9.1	8.5	8.9	7.0	9.0	9.7	437	58	26	19
7	9.6	10	9.1	8.7	8.6	7.5	9.5	8.8	433	55	26	19
8	9.6	10	9.1	8.7	8.5	8.3	9.8	8.5	382	54	25	19
9	9.6	9.6	9.2	8.7	8.4	8.7	9.3	8.8	365	56	24	19
10	9.5	9.4	9.2	8.7	8.4	7.9	10	11	354	58	24	22
11	9.5	9.5	9.2	8.6	8.3	7.6	9.7	17	325	83	23	21
12	9.6	9.2	9.2	8.4	8.2	7.4	9.2	27	301	72	23	20
13	9.6	9.1	9.1	8.3	8.0	7.3	8.9	37	262	75	23	20
14	9.4	9.1	9.1	8.3	7.9	7.3	8.5	48	240	71	23	20
15	9.4	9.1	9.1	8.2	7.6	7.3	8.3	75	229	73	23	20
16	9.3	9.1	9.1	8.2	7.4	7.3	9.2	97	215	67	24	19
17	9.2	9.1	9.4	8.3	7.2	7.3	10	102	198	62	24	19
18	9.1	9.0	9.5	8.3	7.0	7.3	11	105	194	54	23	19
19	9.1	9.4	9.5	8.4	6.4	8.5	10	117	179	46	24	18
20	9.0	9.0	9.2	8.4	6.3	10	10	168	164	40	25	18
21	9.1	9.0	9.0	8.4	6.4	9.5	9.6	168	153	38	28	18
22	9.2	9.3	8.9	8.2	6.4	9.0	9.4	123	142	36	27	17
23	9.5	9.3	8.8	8.0	6.4	8.4	10	109	131	34	25	17
24	9.4	9.2	8.6	8.0	6.6	8.3	11	97	121	33	24	17
25	9.4	9.1	8.6	7.9	6.7	8.2	11	99	113	31	23	17
26	9.3	9.1	8.8	7.9	6.8	8.1	10	110	104	30	23	17
27	10	9.1	8.9	8.0	7.0	8.0	10	153	95	29	22	17
28	9.8	9.1	8.8	8.4	7.5	7.9	9.6	162	84	27	21	17
29	12	9.1	8.7	8.6	---	7.9	9.2	156	82	28	21	16
30	11	9.4	8.6	8.5	---	8.0	9.2	170	78	30	21	16
31	11	---	8.5	8.3	---	8.2	---	235	---	31	21	---
TOTAL	299.0	283.2	280.6	258.6	213.5	249.8	284.7	2471.4	7234	1598	760	561
MEAN	9.65	9.44	9.05	8.34	7.63	8.06	9.49	79.7	241	51.5	24.5	18.7
MAX	12	11	9.6	8.7	8.9	10	11	235	437	83	30	22
MIN	9.0	9.0	8.5	7.9	6.3	7.0	8.3	8.5	78	27	21	16
AC-FT	593	562	557	513	423	495	565	4900	14350	3170	1510	1110

CAL YR 1974 TOTAL 6924.9 MEAN 19.0 MAX 156 MIN 8.5 AC-FT 13740
WTR YR 1975 TOTAL 14493.8 MEAN 39.7 MAX 437 MIN 6.3 AC-FT 28750

PEAK DISCHARGE (BASE, 250 CFS).—June 7 (0200) 496 cfs (4.13 ft).

NOTE.—No gage-height record Feb. 22 to May 3.

SEVIER LAKE BASIN

10174500 Sevier River at Hatch, Utah

LOCATION.--Lat 37°39'07", long 112°25'47", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.36 S., R.5 W., Garfield County, on left bank 300 ft (91 m) downstream from highway bridge, 0.2 mile (0.3 km) east of Hatch, and 2.8 miles (4.5 km) downstream from Mammoth Creek.

DRAINAGE AREA.--340 mi² (881 km²), approximately.

PERIOD OF RECORD.--June 1911 to September 1928, June 1939 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Hatchtown" 1911 and as "near Hatch" 1912.

GAGE.--Water-stage recorder. Altitude of gage is 6,870 ft (2,094 m) from river-profile map. See WSP 1734 for history of changes prior to Oct. 4, 1949.

AVERAGE DISCHARGE.--53 years, 125 ft³/s (3.54 m³/s), 90,560 acre-ft/yr (112 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 498 ft³/s (14.1 m³/s) June 7 (gage height, 3.05 ft or 0.930 m); minimum daily, 37 ft³/s (1.05 m³/s) Feb. 19, 20.

Period of record: Maximum discharge not determined, occurred May 25, 1914, when Hatchtown Dam failed; maximum recorded, 1,490 ft³/s (42.2 m³/s) May 26, 1922 (gage height, 5.25 ft or 1.600 m, datum then in use); minimum daily, 10 ft³/s (0.28 m³/s) for several days in 1912 when water was stored in Hatchtown Reservoir. Minimum natural flow, 27 ft³/s (0.76 m³/s) Sept. 13, 1960.

REMARKS.--Records good, except winter months, which are fair. Small diversions for irrigation above station. No regulation since Hatchtown Dam failed in 1914.

REVISIONS(WATER YEARS).--WSP 960: 1939-40. WSP 1284: 1916. WSP 1564: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	47	47	41	43	51	46	55	354	128	86	60
2	40	49	46	41	44	51	49	55	406	120	85	58
3	42	49	45	42	42	51	48	53	438	115	83	56
4	42	48	47	42	43	51	48	52	432	114	80	57
5	42	48	46	43	48	51	52	51	443	115	77	57
6	42	48	45	44	42	48	56	53	461	113	75	56
7	42	47	45	44	41	52	55	55	475	107	73	57
8	43	47	45	44	41	51	58	61	440	105	71	58
9	42	48	45	44	42	51	73	70	420	109	70	60
10	42	47	45	44	42	52	74	81	412	108	68	62
11	42	47	45	44	42	45	65	90	371	124	67	62
12	42	47	44	43	40	44	59	111	332	133	68	61
13	41	47	44	42	41	43	55	124	333	151	68	62
14	41	46	45	42	43	44	52	136	307	135	70	61
15	40	46	44	42	43	44	49	158	293	136	71	61
16	40	46	43	43	41	45	52	182	281	130	73	58
17	41	46	46	44	39	44	60	208	269	119	78	57
18	41	46	46	44	38	48	67	208	261	108	83	57
19	42	46	45	45	37	50	72	214	258	104	86	56
20	42	46	44	45	37	50	60	252	243	100	88	57
21	42	46	43	44	38	50	55	278	235	95	92	55
22	43	47	44	44	38	50	55	255	223	92	94	57
23	43	48	44	42	38	49	57	214	211	88	94	56
24	43	47	43	41	38	51	64	200	197	86	94	56
25	43	48	43	41	39	59	67	180	182	84	96	55
26	43	47	43	41	40	51	72	185	174	82	96	56
27	46	47	43	41	46	51	57	214	163	80	96	56
28	46	47	42	44	52	48	53	240	149	78	78	55
29	51	47	42	42	---	44	51	229	139	81	67	54
30	48	47	41	41	---	44	51	240	134	87	64	52
31	47	---	41	41	---	48	---	275	---	87	61	---
TOTAL	1324	1412	1371	1325	1158	1511	1732	4779	9036	3314	2452	1725
MEAN	42.7	47.1	44.2	42.7	41.4	48.7	57.7	154	301	107	79.1	57.5
MAX	51	49	47	45	52	59	74	278	475	151	96	62
MIN	40	46	41	41	37	43	46	51	134	78	61	52
AC-FT	2630	2800	2720	2630	2300	3000	3440	9480	17920	6570	4860	3420

CAL YR 1974 TOTAL 20396 MEAN 55.9 MAX 180 MIN 40 AC-FT 40460
WTR YR 1975 TOTAL 31139 MEAN 85.3 MAX 475 MIN 37 AC-FT 61760

PEAK DISCHARGE (BASE, 500 CFS).--No peak above base.

SEVIER LAKE BASIN

255

10176300 Panguitch Creek near Panguitch, Utah

LOCATION.--Lat 37°46'18", long 112°32'12", in NE¼NW¼ sec.16, T.35 S., R.6 W., Garfield County, on right bank 5.8 miles (9.3 km) downstream from Panguitch Lake and 6.8 miles (10.9 km) southwest of Panguitch.

DRAINAGE AREA.--93 mi² (241 km²), approximately.

PERIOD OF RECORD.--April 1961 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,600 ft (2,316 m) from topographic map.

AVERAGE DISCHARGE.--14 years, 24.0 ft³/s (0.680 m³/s), 17,390 acre-ft/yr (21.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 266 ft³/s (7.53 m³/s) July 8 (gage height, 2.97 ft or 0.905 m); minimum daily, 1.5 ft³/s (0.042 m³/s) Feb. 18.

Period of record: Maximum discharge, about 670 ft³/s (19.0 m³/s) Aug. 25, 1961 (gage height, 4.55 ft or 1.387 m); from rating curve extended above 65 ft³/s (1.84 m³/s) on basis of velocity-area study; no flow for part of Nov. 2, 1961.

REMARKS.--Records good, except for periods of no gage-height record, which are poor. Flow regulated by Panguitch Lake, usable capacity 17,800 acre-ft (24.1 hm³).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	7.0	3.8	1.8	1.8	2.0	2.5	15	76	68	61	63
2	3.7	6.6	4.1	1.8	1.8	2.0	2.5	13	75	71	70	63
3	3.7	6.0	4.2	1.8	1.9	2.0	2.5	16	74	71	70	62
4	3.7	5.6	4.2	1.8	2.1	2.0	2.5	21	73	71	70	55
5	3.7	5.4	4.0	1.8	2.0	2.0	2.5	17	72	71	70	61
6	3.7	5.2	3.4	1.9	1.7	2.0	2.5	14	71	71	70	59
7	3.7	5.1	3.4	2.1	1.9	2.0	2.5	9.6	71	79	70	53
8	3.9	5.1	3.4	2.1	2.1	2.0	2.7	10	95	114	70	53
9	4.3	6.5	3.2	1.9	2.4	2.0	3.0	15	90	89	76	41
10	4.1	5.6	3.1	1.8	2.5	2.0	3.5	27	84	67	77	42
11	4.1	5.2	3.1	1.8	2.1	2.0	4.0	42	81	76	78	39
12	4.1	5.0	3.2	1.8	1.9	2.0	5.0	51	81	73	82	15
13	4.1	4.9	3.4	1.8	1.9	2.0	6.0	59	83	74	69	4.4
14	4.4	5.0	3.4	1.8	2.2	2.0	6.5	83	82	57	67	3.9
15	6.1	5.2	3.1	1.9	2.0	2.0	6.0	90	77	60	66	4.4
16	5.9	5.2	3.5	1.9	1.8	2.0	5.2	78	77	56	60	3.9
17	5.6	5.1	3.0	1.9	1.6	2.0	7.5	63	81	56	58	3.9
18	5.6	5.0	2.6	1.9	1.5	2.0	10	75	85	55	57	3.5
19	5.4	5.1	2.6	1.9	1.6	2.0	13	85	86	61	57	3.6
20	5.4	4.8	2.6	1.9	1.7	2.0	15	90	87	58	59	3.6
21	5.2	5.0	2.6	1.9	1.7	2.0	18	75	84	55	67	3.7
22	5.1	5.1	2.6	1.9	1.6	1.9	20	95	80	68	58	3.0
23	5.4	4.6	2.6	1.9	1.6	1.7	22	85	76	81	51	3.0
24	6.1	4.6	2.3	2.0	1.6	1.7	21	82	72	80	49	2.7
25	5.2	4.6	2.0	2.0	1.7	2.0	22	80	68	80	58	2.6
26	4.8	4.1	1.8	2.0	1.8	2.0	21	76	66	80	58	2.5
27	4.9	4.0	1.8	1.9	1.9	1.9	21	75	65	85	59	2.6
28	7.0	3.9	2.0	1.8	2.0	1.8	19	75	64	85	58	2.6
29	6.5	3.9	2.0	1.8	---	1.7	17	90	63	77	57	2.5
30	6.0	3.8	1.9	1.8	---	1.8	17	80	64	65	63	2.5
31	5.7	---	1.8	1.9	---	2.3	---	76	---	61	63	---
TOTAL	150.8	152.2	90.7	58.3	52.4	60.8	302.9	1762.6	2303	2215	1998	664.9
MEAN	4.86	5.07	2.93	1.88	1.87	1.96	10.1	56.9	76.8	71.5	64.5	22.2
MAX	7.0	7.0	4.2	2.1	2.5	2.3	22	95	95	114	82	63
MIN	3.7	3.8	1.8	1.8	1.5	1.7	2.5	9.6	63	55	49	2.5
AC-FT	299	302	180	116	104	121	601	3500	4570	4390	3960	1320

CAL YR 1974 TOTAL 7964.8 MEAN 21.8 MAX 95 MIN 1.8 AC-FT 15800
WTR YR 1975 TOTAL 9811.6 MEAN 26.9 MAX 114 MIN 1.5 AC-FT 19460

NOTE.--No gage-height record Dec. 13 to Apr. 22.

SEVIER LAKE BASIN

10180000 Sevier River near Circleville, Utah

LOCATION.—Lat 38°06'15" long 112°20'08", in NE¼SW¼NW¼ sec.20, T.31 S., R.4 W., Garfield County, on left bank 2 miles (3 km) upstream from Pine Creek and 6 miles (10 km) southwest of Circleville.

DRAINAGE AREA.—950 mi² (2,460 km²), approximately.

PERIOD OF RECORD.—May to September 1912, April 1914 to September 1927 (fragmentary 1923, 1925-57), October 1949 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.—Water-stage recorder. Altitude of gage is 6,240 ft (1,902 m) from river-profile map. May 10 to Sept. 19, 1912, nonrecording gage at site 300 ft (91 m) upstream at different datum. Apr. 23, 1914 to Sept. 30, 1927, and Nov. 21, 1949, to Aug. 6, 1954, water-stage recorder at site 300 ft (91 m) upstream at datum 0.23 ft (0.070 m) higher.

AVERAGE DISCHARGE.—35 years (1914-22, 1923-24, 1949-75), 142 ft³/s (4.021 m³/s), 102,900 acre-ft/yr (127 hm³/yr).

EXTREMES.—Current year: Maximum discharge, 335 ft³/s (9.52 m³/s) June 8 (gage height, 2.71 ft or 0.826 m); minimum, 40 ft³/s (1.13 m³/s) Oct. 3, 4.

Period of record: Maximum discharge, 2,730 ft³/s (77.3 m³/s) Dec. 26, 1971 (gage height, 7.06 ft or 2.152 m, from high-water mark), from rating curve extended above 1,000 ft³/s (28.3 m³/s); minimum daily, 18 ft³/s (0.51 m³/s) June 30, July 1, 5, 1960, June 23, 1961.

Flood of March 1938 may have exceeded that of Dec. 26, 1971.

REMARKS.—Records good. Many diversions above and below station.

REVISIONS(WATER YEARS).—WSP 1180: 1922 (M). WSP 1314: 1916. Revised figures of discharge for the water year 1969, superseding those published in WRD 1969, are given herein.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	112	97	99	95	157	96	51	219	85	79	56
2	41	116	99	138	93	192	91	51	285	78	62	51
3	40	112	106	113	96	163	91	56	286	66	67	55
4	55	111	110	110	103	153	91	59	300	60	66	62
5	63	108	112	105	109	144	91	60	294	63	68	60
6	64	106	110	102	100	137	92	57	314	62	68	60
7	63	104	107	100	98	130	92	53	319	59	61	58
8	62	106	103	96	105	128	80	51	324	57	52	71
9	66	110	100	93	110	148	78	48	309	115	52	82
10	65	108	100	87	115	146	75	47	302	138	60	85
11	66	103	100	85	100	128	73	46	304	116	59	76
12	77	101	100	91	95	111	76	44	288	118	67	72
13	73	100	100	91	105	96	76	48	274	139	59	88
14	71	100	106	87	112	91	76	62	254	151	54	83
15	71	100	107	87	108	88	76	109	242	152	54	83
16	71	100	107	87	100	85	78	132	214	132	53	76
17	71	103	107	87	94	84	91	164	185	113	54	74
18	71	105	100	87	92	83	86	174	193	91	54	73
19	72	105	98	88	100	84	80	179	197	86	66	62
20	72	102	98	90	100	99	70	186	197	84	67	60
21	73	102	98	91	98	122	64	227	188	67	126	59
22	72	106	94	93	96	127	60	220	179	67	106	62
23	76	106	77	95	95	127	58	182	172	62	95	58
24	74	103	74	97	97	110	56	153	148	59	81	57
25	72	100	87	102	100	105	55	129	139	57	85	56
26	75	99	103	100	102	114	57	119	132	59	70	53
27	80	98	111	96	112	102	60	134	123	65	65	56
28	80	97	132	92	135	85	59	211	106	62	60	64
29	93	96	138	90	---	92	56	192	100	84	60	70
30	105	96	113	100	---	90	53	192	95	106	66	74
31	110	---	102	96	---	91	---	185	---	96	61	---
TOTAL	2185	3115	3196	2975	2865	3612	2237	3621	6682	2749	2097	1996
MEAN	70.5	104	103	96.0	102	117	74.6	117	223	88.7	67.6	66.5
MAX	110	116	138	138	135	192	96	227	324	152	126	88
MIN	40	96	74	85	92	83	53	44	95	57	52	51
AC-FT	4330	6180	6340	5900	5680	7160	4440	7180	13250	5450	4160	3960
CAL YR 1974	TOTAL	32360	MEAN	88.7	MAX	331	MIN	28	AC-FT	64190		
WTR YR 1975	TOTAL	37330	MEAN	102	MAX	324	MIN	40	AC-FT	74040		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1968 TO SEPTEMBER 1969
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	120	125	94	101	111	209	455	838	200	174	137
2	116	180	128	98	102	114	178	504	797	195	174	134
3	116	111	118	98	112	106	139	514	775	190	178	132
4	116	122	114	106	125	104	125	528	723	185	172	135
5	118	119	118	106	126	104	119	525	682	180	167	134
6	114	128	123	106	132	98	130	550	673	172	163	132
7	118	138	125	109	121	96	130	629	645	170	159	128
8	118	135	123	121	125	96	123	598	633	169	155	200
9	118	134	114	104	132	95	125	579	590	168	151	240
10	105	134	121	107	137	98	132	579	545	165	145	190
11	96	132	119	118	143	100	143	594	505	163	141	150
12	94	132	104	123	145	107	151	613	470	163	137	137
13	94	132	104	130	145	119	157	635	430	165	134	165
14	94	132	116	145	121	118	163	620	400	170	134	153
15	96	134	125	128	112	119	163	665	405	167	134	139
16	110	132	125	109	130	121	159	710	410	165	132	153
17	119	139	123	106	126	123	155	727	415	163	128	163
18	120	134	109	102	107	111	157	753	405	161	126	132
19	128	141	114	104	107	167	161	770	380	167	401	139
20	130	139	126	114	107	137	167	770	340	184	220	141
21	126	134	111	121	107	116	189	806	300	184	170	151
22	128	139	102	155	106	128	335	797	265	180	161	163
23	130	139	104	118	109	125	433	792	260	178	157	170
24	125	137	125	101	111	106	448	779	270	176	153	147
25	125	137	114	119	132	102	442	784	250	193	149	151
26	128	128	106	114	165	104	477	797	240	189	143	153
27	126	128	90	184	114	114	440	784	230	178	139	135
28	118	128	88	145	119	199	370	792	220	170	143	118
29	110	125	98	114	---	130	360	815	215	174	147	121
30	108	125	112	96	---	130	417	838	205	178	143	128
31	112	---	96	95	---	202	---	842	---	178	139	---
TOTAL	3570	3988	3520	3590	3419	3700	6897	21144	13516	5440	4969	4471
MEAN	115	133	114	116	122	119	230	682	451	175	160	149
MAX	130	180	128	184	165	202	477	842	838	200	401	240
MIN	94	111	88	94	101	95	119	455	205	161	126	118
AC-FT	7080	7910	6980	7120	6780	7340	13680	41940	26810	10790	9860	8870
CAL YR 1968 TOTAL	50867			139	MAX	501	MIN	71	AC-FT	100900		
WTR YR 1969 TOTAL	78224			214	MAX	842	MIN	88	AC-FT	155200		

SEVIER LAKE BASIN

10183500 Sevier River near Kingston, Utah

LOCATION.--Lat 38°12'22", long 112°12'25", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.30 S., R.3 W., Piute County, on left bank 1,000 ft (305 m) upstream from bridge on State Highway 22, 1.1 mile (1.8 km) west of Kingston, and 1.9 miles (3.1 km) upstream from East Fork.

DRAINAGE AREA.--1,110 mi² (2,870 km²), approximately.

PERIOD OF RECORD.--June 1914 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 5,980 ft (1,823 m) from river-profile map. Prior to Sept. 20, 1918, at site 1 mile (2 km) downstream at different datum.

AVERAGE DISCHARGE.--61 years, 125 ft³/s (3,540 m³/s), 90,560 acre-ft/yr (112 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 297 ft³/s (8.41 m³/s) June 7 (gage height, 1.88 ft or 0.549 m); minimum, 7.7 ft³/s (0.218 m³/s) Aug. 10-14, 16, 17, and 19.

Period of record: Maximum discharge, about 3,000 ft³/s (850 m³/s) (including estimated flow of 360 ft³/s (10.2 m³/s) in overflow channel bypassing station). Mar. 4, 1938 (gage height, 5.20 ft or 1.585 m), from rating curve extended above 600 ft³/s (17.0 m³/s); minimum, 0.9 ft³/s (0.025 m³/s) July 26, 1963.

REMARKS.--Records good except for period of no gage height record, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	57	121	120	140	120	102	16	111	18	20	11
2	13	70	126	120	140	120	115	15	174	15	16	11
3	16	87	131	120	140	150	107	15	200	14	13	11
4	14	92	134	120	140	120	84	14	224	16	12	11
5	12	96	136	120	130	120	50	14	213	16	11	13
6	12	97	136	140	130	120	39	14	232	16	11	13
7	13	97	132	140	130	120	51	15	264	17	10	14
8	16	99	125	140	140	120	55	15	272	17	9.3	15
9	18	110	128	140	140	120	52	16	246	34	8.7	16
10	16	112	124	130	140	120	55	16	232	63	8.0	20
11	17	114	128	130	140	110	50	15	225	44	7.7	19
12	15	112	124	130	140	110	73	15	200	62	7.7	22
13	16	107	127	130	140	101	80	14	178	84	7.7	34
14	17	104	120	130	140	88	76	14	146	93	8.0	25
15	18	104	127	130	140	92	72	18	109	101	8.2	22
16	18	109	125	130	135	99	64	41	86	100	7.7	21
17	18	115	132	130	130	109	75	54	75	73	7.8	20
18	18	115	133	130	130	107	58	77	79	47	8.2	20
19	19	101	128	130	120	111	47	84	84	39	9.5	21
20	22	84	125	140	140	111	33	83	80	25	9.3	21
21	20	80	128	150	130	132	26	112	81	18	19	20
22	20	93	130	140	110	136	21	128	60	18	22	21
23	22	111	120	140	110	147	28	91	79	16	21	20
24	21	116	110	140	110	132	24	62	56	16	18	20
25	22	117	110	140	110	114	22	41	48	15	16	21
26	23	116	110	160	110	128	22	33	40	14	14	21
27	24	117	120	150	115	113	19	33	36	14	13	19
28	27	117	130	140	120	101	18	101	29	19	13	17
29	34	114	130	130	---	118	18	95	27	21	13	17
30	40	119	120	140	---	112	20	92	24	29	14	17
31	45	---	120	140	---	101	---	84	---	26	13	---
TOTAL	618	3082	3890	4170	3640	3602	1556	1437	3910	1099	376.8	553
MEAN	19.9	103	125	135	130	116	51.9	46.4	130	35.5	12.2	18.4
MAX	45	119	136	160	140	150	115	128	272	101	22	34
MIN	12	57	110	120	110	88	18	14	24	14	7.7	11
AC-FT	1230	6110	7720	8270	7220	7140	3090	2850	7760	2180	747	1100

CAL YR 1974 TOTAL 29531.5 MEAN 80.9 MAX 436 MIN 5.7 AC-FT 58580
WTR YR 1975 TOTAL 27933.8 MEAN 76.5 MAX 272 MIN 7.7 AC-FT 55410

NOTE.--No gage-height record Dec. 12 to Mar. 12.

SEVIER LAKE BASIN

259

10183900 East Fork Sevier River near Rubys Inn, Utah

LOCATION.—Lat 37°34'33", long 112°15'54", in NE¼SE¼NW¼ sec.19, T.37 S., R.4 W., Garfield County, Dixie National Forest, on left bank about 100 ft (30 m) upstream from highway bridge, 0.6 mile (1.0 km) downstream from Skunk Creek, 3.6 miles (5.8 km) upstream from Tropic Reservoir dam, 9.1 miles (14.6 km) southwest of Rubys Inn, and 10.5 miles (16.9 km) southeast of Hatch.

DRAINAGE AREA.—71 mi² (184 km²), approximately.

PERIOD OF RECORD.—October 1961 to current year.

GAGE.—Water-stage recorder and concrete control. Altitude of gage is 7,860 ft (2,396 m) from river-proville map. Prior to Oct. 10, 1966, on right bank at different datum.

AVERAGE DISCHARGE.—14 years, 15.1 ft³/s (0.428 m³/s), 10,940 acre-ft/yr (13.5 km³/yr).

EXTREMES.—Current year: Maximum discharge, 125 ft³/s (3.54 m³/s), Apr. 15 (gage height, 2.62 ft or 0.799 m); minimum, 2.5 ft³/s (0.071 m³/s) Nov. 29.

Period of record: Maximum discharge, 274 ft³/s (7.76 m³/s) Dec. 7, 1966 (gage height, 3.79 ft or 1.155 m); no flow for several days in February and March 1964.

REMARKS.—Records good except those for winter period and period of no gage-height record, which are poor. No diversions above station.

REVISIONS.—(Water year) WRD Utah 1974.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	11	8.4	11	11	19	50	36	41	10	8.1	5.6
2	5.0	11	10	12	10	22	75	41	41	10	7.1	5.6
3	12	10	11	14	11	20	78	59	41	10	6.4	5.7
4	9.9	10	11	13	11	19	80	66	39	11	6.1	6.2
5	6.9	10	10	12	13	18	78	39	37	12	6.0	5.8
6	6.2	9.7	9.6	11	11	17	73	23	33	11	6.0	5.6
7	6.1	9.6	9.2	11	10	16	69	22	32	9.8	5.5	5.8
8	6.1	11	8.8	11	11	16	65	49	30	10	5.3	7.3
9	7.1	11	8.6	10	12	17	62	60	29	13	5.3	8.3
10	6.4	11	8.5	10	13	18	58	65	26	11	6.0	17
11	6.2	10	8.6	9.5	12	16	54	73	24	13	6.3	14
12	6.2	10	9.1	9.6	10	14	50	73	22	19	10	10
13	6.5	10	9.5	9.8	11	13	48	67	21	16	7.5	9.0
14	6.0	10	10	9.8	12	12	65	63	20	13	6.6	9.6
15	5.9	10	10	9.8	12	12	96	60	19	12	5.9	8.7
16	5.9	10	11	9.6	11	12	103	61	18	10	6.0	7.9
17	6.0	10	10	9.6	10	13	93	69	17	9.3	5.9	7.6
18	5.9	11	9.6	9.6	10	13	75	69	18	8.7	5.3	7.4
19	5.9	11	9.0	9.7	11	13	52	61	18	8.1	5.7	7.0
20	6.0	11	8.6	9.8	11	14	35	58	19	7.6	8.0	6.8
21	6.1	11	8.5	9.8	11	16	29	56	19	7.3	17	6.4
22	6.2	11	8.4	10	11	18	36	52	18	7.1	12	6.5
23	8.9	11	8.3	10	11	21	28	47	16	6.6	8.2	6.6
24	8.2	10	8.2	11	11	30	25	40	15	6.6	6.9	6.6
25	7.5	10	8.5	11	11	50	24	33	13	6.9	6.3	6.6
26	7.5	9.0	9.5	11	12	45	22	28	13	6.2	6.0	6.8
27	12	8.3	11	11	13	38	21	47	13	6.5	5.8	6.7
28	12	7.8	12	10	15	32	20	46	12	6.7	5.7	6.4
29	14	7.5	14	10	---	45	20	42	12	12	5.7	6.5
30	12	7.8	13	11	---	70	30	45	11	13	5.6	6.6
31	11	---	12	11	---	60	---	42	---	11	5.7	---
TOTAL	236.7	300.7	303.9	327.6	318	739	1614	1592	687	314.4	213.9	226.6
MEAN	7.64	10.0	9.80	10.6	11.4	23.8	53.8	51.4	22.9	10.1	6.90	7.55
MAX	14	11	14	14	15	70	103	73	41	19	17	17
MIN	5.0	7.5	8.2	9.5	10	12	20	22	11	6.2	5.3	5.6
AC-FT	469	596	603	650	631	1470	3200	3160	1360	624	424	449

CAL YR 1974 TOTAL 3176.0 MEAN 8.70 MAX 36 MIN 2.8 AC-FT 6300
WTR YR 1975 TOTAL 6873.8 MEAN 18.8 MAX 103 MIN 5.0 AC-FT 13630

PEAK DISCHARGE (BASE, 50 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
4-15	1500	2.62	125	5-11	2300	2.48	106
5-3	2030	2.42	98	5-27	2200	2.17	65

NOTE.—No gage-height record Dec. 5 to Apr. 2.

SEVIER LAKE BASIN

10185000 Antimony Creek near Antimony, Utah

LOCATION.--Lat 38°05'57", long 111°53'21", in NW¼ sec.22, T.31 S., R.1 W., Garfield County, on right bank 5.5 miles (8.8 km) upstream from mouth and 6.2 miles (10.0 km) southeast of Antimony.

DRAINAGE AREA.--97 mi² (251 km²), approximately.

PERIOD OF RECORD.--October 1946 to September 1948, August 1957 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,000 ft (2,134 m) from topographic map. October 1946 to September 1948 at datum 0.89 ft (0.271 m) lower.

AVERAGE DISCHARGE.--20 years, 21.1 ft³/s (0.598 m³/s), 15,290 acre-ft/yr (18.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 313 ft³/s (8.86 m³/s) May 15 (gage height, 3.49 ft or 1.06 m) minimum daily, 13 ft³/s (0.368 m³/s) Apr. 10, 11.

Period of record: Maximum discharge, 669 ft³/s (18.9 m³/s) Aug. 3, 1959 (gage height, 4.52 ft or 1.378 m), from rating curve extended above 250 ft³/s (7.08 m³/s) on basis of slope-area measurements of peak flow; minimum, 8.9 ft³/s (0.25 m³/s) Mar. 20, 1964.

REMARKS.--Records good, except for period of no gage-height record, which are fair.

REVISIONS.--WSP 1927: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	18	17	16	17	18	17	21	67	17	17	17
2	18	18	17	16	17	18	16	21	65	17	17	17
3	18	18	17	16	16	18	15	26	64	17	17	17
4	18	18	17	16	16	18	15	27	53	17	17	17
5	18	18	17	16	16	18	15	23	50	17	17	17
6	18	18	17	16	16	19	16	21	45	18	17	17
7	18	18	18	16	16	18	16	20	39	18	17	17
8	18	18	18	17	16	18	15	20	34	18	17	17
9	18	18	18	16	16	18	14	21	30	19	17	17
10	18	18	18	16	17	18	13	32	26	19	17	17
11	18	18	18	16	18	17	13	64	24	18	17	17
12	18	17	18	16	17	16	14	82	23	19	17	17
13	18	17	18	15	17	16	16	102	22	19	17	17
14	18	17	18	15	17	16	16	141	21	19	17	17
15	18	18	18	15	17	17	17	178	20	20	17	17
16	18	18	18	15	17	16	17	161	19	18	17	17
17	18	18	18	15	16	16	17	139	19	18	17	17
18	18	18	17	16	16	16	16	115	18	17	17	17
19	18	17	16	16	16	16	16	100	19	17	17	17
20	18	17	16	16	16	17	16	119	19	17	18	17
21	18	17	17	16	16	18	17	49	19	17	18	17
22	18	18	18	16	16	17	17	37	19	17	17	17
23	18	18	16	15	16	17	17	29	19	17	17	17
24	18	17	16	16	17	17	20	28	18	17	17	17
25	18	17	16	16	17	17	25	56	18	17	17	17
26	18	17	16	17	17	17	24	67	18	17	17	17
27	18	17	16	18	16	16	23	66	17	17	17	17
28	18	17	16	17	17	16	22	44	17	17	17	17
29	18	17	17	17	---	17	22	39	17	17	17	17
30	18	17	16	17	---	17	21	33	17	17	17	17
31	18	---	16	17	---	17	---	51	---	17	17	---
TOTAL	558	527	529	498	462	530	518	1932	856	546	529	510
MEAN	18.0	17.6	17.1	16.1	16.5	17.1	17.3	62.3	28.5	17.6	17.1	17.0
MAX	18	18	18	18	18	19	25	178	67	20	18	17
MIN	18	17	16	15	16	16	13	20	17	17	17	17
AC-FT	1110	1050	1050	988	916	1050	1030	3830	1700	1080	1050	1010

CAL YR 1974 TOTAL 6419 MEAN 17.6 MAX 35 MIN 16 AC-FT 12730
WTR YR 1975 TOTAL 7995 MEAN 21.9 MAX 178 MIN 13 AC-FT 15860

PEAK DISCHARGE (BASE, 170 CFS).--May 15 (2200) 313 cfs (3.49 ft).

NOTE.--No gage-height record Dec. 23 to Apr. 5.

SEVIER LAKE BASIN

261

10187300 Otter Creek near Koosharem, Utah

LOCATION.--Lat 38°36'40", long 111°48'40", in NW¼ sec.28, T.25 S., R.1 E., Sevier County, on right bank, 2.3 miles (3.7 km) upstream from mouth and 7.9 miles (12.7 km) northeast of Koosharem.

DRAINAGE AREA.--24 mi² (62 km²), approximately.

PERIOD OF RECORD.--August 1964 to current year.

GAGE.--Water-stage recorder and Cippolletti weir. Altitude of gage is 7,100 ft (2,164 m) from topographic map.

AVERAGE DISCHARGE.--11 years, 12.6 ft³/s (0.357 m³/s), 9,130 acre-ft/yr (11.3 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 58 ft³/s (1.64 m³/s) June 5 (gage height, 2.20 ft or 0.671 m); minimum, 6.0 ft³/s (0.170 m³/s) Jan. 25.

Period of record: Maximum discharge, 117 ft³/s (3.31 m³/s) May 18, 1973 (gage height, 2.61 ft or 0.796 m); minimum, 3.7 ft³/s (0.105 m³/s) sometime during period Nov. 7 to Feb. 26, 1969, period of no gage-height record.

REMARKS.--Records good. No diversion above station.

DISCHARGE, IN CURIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	10	9.4	7.8	7.6	10	9.6	10	38	19	15	13
2	10	10	9.4	7.5	7.7	10	9.0	10	44	19	15	13
3	10	10	9.5	7.2	7.8	9.6	9.6	13	44	19	15	13
4	11	10	9.7	7.4	7.7	9.6	10	14	44	20	14	13
5	10	9.5	9.7	7.5	7.3	9.2	10	13	45	20	14	13
6	10	9.4	9.4	7.2	6.4	9.2	10	11	47	19	14	13
7	10	9.7	9.4	7.6	6.6	8.8	9.6	10	46	18	14	13
8	10	10	9.4	7.5	7.0	8.8	9.6	11	45	18	14	13
9	10	10	9.2	7.2	7.3	8.8	9.6	13	40	19	14	13
10	11	9.5	9.1	7.2	8.8	8.8	9.6	16	36	19	14	13
11	10	10	9.1	7.5	7.6	8.8	9.6	20	31	20	14	12
12	10	10	9.1	7.9	7.6	9.6	10	22	32	23	14	13
13	10	9.9	9.3	7.9	8.0	9.6	10	24	34	21	14	13
14	10	9.9	9.0	7.9	8.4	9.6	10	26	40	19	14	13
15	10	9.8	9.2	7.6	8.4	9.6	10	27	37	19	13	12
16	10	9.5	9.3	7.3	8.4	9.6	10	28	34	18	13	12
17	10	9.6	9.0	7.3	8.4	9.6	9.6	28	31	17	13	12
18	10	9.8	9.0	6.9	8.0	9.6	9.6	29	29	17	13	12
19	10	9.8	9.0	7.3	7.5	10	9.6	33	27	17	13	12
20	10	9.3	9.0	7.3	8.9	10	10	35	27	17	13	12
21	10	9.7	9.0	6.9	8.1	9.6	11	25	26	16	13	12
22	10	9.9	9.0	6.8	8.2	9.6	12	23	26	16	13	12
23	11	9.3	9.0	6.5	8.1	9.6	11	22	24	16	13	12
24	11	9.2	8.6	6.2	8.2	9.6	12	25	23	16	13	12
25	10	9.7	8.0	6.2	8.4	9.6	13	31	22	16	13	12
26	9.9	9.1	7.8	7.6	8.5	9.6	12	33	21	16	13	12
27	10	9.1	8.0	7.6	8.6	9.2	10	37	21	16	13	12
28	10	9.8	8.2	7.9	9.6	8.4	10	31	20	16	13	12
29	11	9.2	8.5	8.0	---	8.9	10	27	20	17	13	12
30	10	9.2	8.4	7.1	---	9.1	9.6	27	20	16	13	12
31	10	---	8.2	7.2	---	9.6	---	32	---	15	13	---
TOTAL	314.9	289.9	277.9	227.0	223.1	291.6	305.6	706	974	554	420	373
MEAN	10.2	9.66	8.96	7.32	7.97	9.41	10.2	22.8	32.5	17.9	13.5	12.4
MAX	11	10	9.7	8.0	9.6	10	13	37	47	23	15	13
MIN	9.9	9.1	7.8	6.2	6.4	8.4	9.0	10	20	15	13	12
AC-FT	625	575	551	450	443	578	606	1400	1930	1100	833	740

CAL YR 1974 TOTAL 5215.8 MEAN 14.3 MAX 67 MIN 7.8 AC-FT 10350
WTP YR 1975 TOTAL 4957.0 MEAN 13.6 MAX 47 MIN 6.2 AC-FT 9830

PEAK DISCHARGE (BASE, 25 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-19	2200	2.04	44	6-5	2300	2.20	58
5-26	2200	2.03	43	6-24	2400	2.11	49

SEVIER LAKE BASIN

10187500 Otter Creek above reservoir, near Antimony, Utah

LOCATION.--Lat 38°14'59", long 111°57'55", in SW¼SW¼ sec.25, T.29 S., R.2 W., in Piute County, on right bank 40 ft (12 m) upstream from county road bridge, 200 ft (61 m) upstream from Otter Creek Reservoir, 0.5 mile (0.8 km) east of Angle, and 9.4 miles (15.1 km) north of Antimony.

DRAINAGE AREA.--330 mi² (855 km²), approximately.

PERIOD OF RECORD.--January to August 1915, October 1915 to June 1920, April 1961 to September 1964, July 1971 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,380 ft (1,945 m) from topographic map. January to August 1915, October 1915 to June 1920, staff gage at same site at different datum. April 1961 to September 1964, water-stage recorder at same site at different datum.

AVERAGE DISCHARGE.--11 years (1915-19, 1961-64, 1972-75) 12.6 ft³/s (0.357 m³/s), 9,130 acre-ft/yr (11.3 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 89 ft³/s (2.52 m³/s) Mar. 4 (gage height, 3.58 ft or 1.091 m); minimum discharge, 0.05 ft³/s (0.001 m³/s) Oct. 1, 2.

Period of record: Maximum discharge, 138 ft³/s (3.91 m³/s) July 20, 1974 (gage height, 4.27 ft or 1.301 m); no flow for periods in several years.

REMARKS.--Records good except those below 1 ft³/s (0.028 m³/s), which are fair. Flow affected by storage in Koosharem Reservoir, capacity 3,860 acre-ft (5.76 hm³). Diversions for irrigation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.13	.79	12	5.6	12	40	39	1.9	2.8	2.6	.79	.46
2	.12	1.3	16	4.6	14	57	38	1.8	4.9	2.4	.89	.28
3	.06	1.2	17	8.2	18	66	37	2.8	5.1	2.5	.89	.28
4	.06	1.1	18	5.4	19	68	37	5.0	3.6	2.4	.79	.27
5	.07	.70	19	7.7	17	66	39	4.2	3.0	2.5	.74	.25
6	.07	.75	18	8.1	14	57	42	3.4	2.6	2.4	.69	.25
7	.07	.84	17	9.1	15	56	41	3.4	2.5	2.5	.64	.26
8	.07	.99	17	10	18	57	32	5.0	3.0	3.2	.64	.26
9	.07	.99	13	10	20	59	28	1.9	2.9	2.9	.60	.28
10	.09	1.3	8.8	7.6	22	58	29	1.5	2.4	8.1	.56	.30
11	.11	1.3	11	7.1	21	47	28	1.4	2.2	3.2	.51	.26
12	.24	1.2	13	8.5	21	42	28	1.3	2.7	.94	.51	.26
13	.32	1.3	14	4.3	23	41	28	1.3	3.8	.99	.51	.26
14	.12	1.3	11	6.5	25	42	26	1.7	3.2	1.0	.47	.26
15	.12	1.3	12	7.2	27	38	22	1.5	2.9	1.1	.47	1.2
16	.14	1.6	15	6.0	27	37	20	1.3	2.6	1.6	.47	2.7
17	.33	2.2	16	7.9	24	35	18	1.2	2.7	1.0	.51	2.6
18	.55	6.6	13	8.9	14	33	18	1.2	2.7	.99	.51	3.3
19	.21	17	14	9.1	12	37	17	1.2	2.9	.99	.43	2.8
20	.22	18	15	9.3	13	43	18	1.2	2.7	.99	.43	1.5
21	.24	18	16	9.0	24	51	18	1.5	2.6	.94	.43	.31
22	.29	18	18	9.5	18	50	14	3.5	2.5	.94	.39	.31
23	.55	11	7.7	6.2	22	37	11	3.8	2.9	.89	.39	1.2
24	.66	6.4	5.3	10	20	33	14	3.0	2.8	.89	.37	.25
25	.99	3.5	7.9	12	25	37	6.9	1.8	2.7	.79	.36	.37
26	.68	9.2	8.9	14	28	39	4.4	1.6	2.6	.79	.36	.72
27	.69	13	9.5	16	35	22	4.4	1.5	2.6	.79	.47	.77
28	.67	14	10	16	36	19	3.0	2.0	2.5	.89	.56	.56
29	.66	13	12	13	---	21	3.2	6.9	2.7	1.0	.43	.63
30	.84	11	9.7	10	---	21	2.0	3.5	2.5	.89	.39	.62
31	.72	---	8.2	13	---	32	---	2.5	---	.79	.37	---
TOTAL	10.16	178.86	403.0	279.8	584	1341	665.9	75.8	87.6	53.90	16.57	23.77
MEAN	.33	5.96	13.0	9.03	20.9	43.3	22.2	2.45	2.92	1.74	.53	.79
MAX	.99	18	19	16	36	68	42	6.9	5.1	8.1	.89	3.3
MIN	.06	.70	5.3	4.3	12	19	2.0	1.2	2.2	.79	.36	.25
AC-FT	20	355	799	555	1160	2660	1320	150	174	107	33	47

CAL YR 1974 TOTAL 4329.77 MEAN 11.9 MAX 94 MIN .05 AC-FT 8590
WTR YR 1975 TOTAL 3720.36 MEAN 10.2 MAX 68 MIN .06 AC-FT 7380

SEVIER LAKE BASIN

263

10188000 Otter Creek Reservoir near Antimony, Utah

LOCATION.--Lat 38°10'15", long 112°01'25", in NW¼ sec.28, T.30 S., R.2 W., Piute County, near spillway on right side of dam on Otter Creek, 3.7 miles (6.0 km) northwest of Antimony and 9.3 miles (15.0 km) east of Kingston.

DRAINAGE AREA.--380 mi² (984 km²), approximately.

PERIOD OF RECORD.--January 1914 to September 1915, January 1934 to current year. Published as "near Coyote" 1914.

GAGE.--Staff gage usually read on 10th, 20th, and last day of each month. Altitude of gage is 6,350 ft (1,935 m) by barometer.

EXTREMES.--Current year: Maximum contents observed, 47,250 acre-ft (58.3 hm³) June 10 (gage height 33.8 ft or 10.30 m); minimum observed, 18,120 acre-ft (22.3 hm³) Oct. 10 (gage height, 19.1 ft or 5.82 m).

Period of record: Maximum contents observed, 56,500 acre-ft (69.7 hm³) May 20, 1973 (gage height, 37.5 ft or 11.43 m); minimum observed, 200 acre-ft (247,000 m³) Sept. 10, 1956 (gage height, 1.0 ft or 0.305 m).

REMARKS.--Reservoir was formed in 1898 by a 15-ft (4.6 m) earthfill, rock-faced dam which was raised some each year to the ultimate height of 45 ft (13.7 m) in 1915. The dam has a concrete core through the center. Capacity, 52,700 acre-ft (65.0 hm³) between gage height zero (bottom of outlet gage) and 36.0 ft (11.0 m) (top of flashboards on spillway). At times, additional flashboards are added or surcharge occurs increasing the stage to 37.0 ft (11.3 m), capacity, 55,200 acre-ft (68.1 hm³). Spillway crest is at gage height 33.5 ft (10.2 m). Figures given herein represent total contents. Reservoir stores water from Otter Creek and also water diverted from East Fork Sevier River, for irrigation in Sevier River basin.

COOPERATION.--Gage-height record furnished by Otter Creek Reservoir Company. Revised capacity table, based on Soil Conservation Service Survey in 1960, used since Oct. 1, 1962.

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	18120	19090	20570	23470	28030	31300	37700	41430	47250	38550	30710	28980
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	18280	19570	21580	24880	29360	35160	38550	44870	44870	36200	30130	28780
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	30710	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	19900	---	---	---	---	39870	---	40750	---	---	28400
31	18600	---	22600	27460	---	38340	---	46770	---	32280	29360	---
(+)	19.4	20.2	21.8	24.5	26.2	29.9	30.6	33.6	31.0	27.0	25.5	25.0
(#)	+480	+1300	+2700	+4860	+3250	+7630	+1530	+6900	-6020	-8470	-2920	-960
CAL YR.....	# -20,960											
WTR YR.....	# +10,280											

+ Gage height, in feet, at end of month.

Change in contents, in acre-feet.

SEVIER LAKE BASIN

10189000 East Fork Sevier River near Kingston, Utah

LOCATION.--Lat 38°11'49", long 112°09'01", in NW¼SW¼SE¼ sec.13, T.30 S., R.3 W., Piute County, on left bank 1,500 ft (457 m) upstream from bridge on State Highway 22, 2.2 miles (3.5 km) east of Kingston, 4.6 miles (7.4 km) upstream from mouth, and 10 miles (16 km) downstream from Otter Creek.

DRAINAGE AREA.--1,250 mi² (3,240 km²), approximately.

PERIOD OF RECORD.--March 1913 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,150 ft (1,875 m) from river-profile map. Prior to Apr. 29, 1914, staff gage at site 0.5 mile (0.8 km) upstream at different datum. Apr. 29, 1914 to June 2, 1939, water-stage recorder at site 4,000 ft (1,219 m) downstream at different datum. June 2, 1939 to July 29, 1970, water-stage recorder at site 2,500 ft (762 m) downstream at different datum.

AVERAGE DISCHARGE.--62 years, 77.6 ft³/s (2.198 m³/s), 56,220 acre-ft/yr (69.3 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 301 ft³/s (8.52 m³/s) May 16 (gage height, 2.54 ft or 0.774 m); minimum, 6.0 ft³/s (0.17 m³/s) Dec. 23.

Period of record: Maximum discharge, 2,030 ft³/s (57.5 m³/s) May 12, 1941 (gage height, 5.05 ft or 1.539 m); minimum recorded, 5.4 ft³/s (0.15 m³/s) Feb. 16, 1967.

REMARKS.--Records good except those for winter periods, which are fair. Diversions for irrigation above and below station. Also diversion upstream for storage in Otter Creek Reservoir (see station 10188000); flow regulated by reservoir.

REVISIONS(WATER YEAR).--WSP 750: 1931-32.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	43	43	15	16	15	17	29	117	170	150	47
2	40	43	42	15	16	16	16	30	115	174	148	46
3	38	43	40	15	16	15	17	31	121	177	76	46
4	40	43	40	15	16	15	16	30	123	179	59	47
5	40	44	41	15	14	15	16	31	123	181	53	50
6	40	48	41	17	13	16	16	34	121	186	53	50
7	41	47	41	17	13	16	16	37	119	182	48	51
8	44	46	40	16	14	16	16	36	123	181	47	50
9	44	44	44	15	14	16	16	35	121	194	50	50
10	44	44	40	15	14	16	16	32	119	190	51	51
11	43	44	40	15	14	17	16	30	117	186	55	50
12	42	44	40	15	14	16	17	36	117	187	54	51
13	40	44	40	15	14	16	18	64	115	186	53	54
14	39	44	40	15	14	16	18	66	117	181	50	54
15	35	44	39	16	14	17	17	115	117	178	52	53
16	36	43	37	17	14	17	17	199	118	174	54	51
17	36	43	16	16	14	17	16	136	129	174	55	51
18	36	43	16	16	14	17	18	105	175	174	51	50
19	36	42	16	17	14	16	17	85	177	175	50	51
20	36	42	16	18	15	16	17	84	177	172	53	48
21	36	42	16	19	15	15	16	83	175	168	57	44
22	37	41	15	17	14	16	16	72	173	169	61	44
23	38	41	14	17	14	17	15	63	176	159	57	44
24	39	40	13	19	14	17	15	57	169	155	54	44
25	38	39	12	20	14	17	15	51	164	153	53	44
26	39	39	13	21	14	18	15	48	164	152	51	41
27	39	38	14	20	14	16	15	55	163	150	51	41
28	38	38	16	17	15	16	16	68	166	150	51	41
29	40	39	18	16	---	16	28	58	172	150	51	40
30	43	42	17	16	---	16	28	55	168	151	51	40
31	42	---	15	16	---	17	---	114	---	151	48	---
TOTAL	1219	1277	875	513	401	502	512	1969	4251	5309	1847	1424
MEAN	39.3	42.6	28.2	16.5	14.3	16.2	17.1	63.5	142	171	59.6	47.5
MAX	44	48	44	21	16	18	28	199	177	194	150	54
MIN	35	38	12	15	13	15	15	29	115	150	47	40
AC-FT	2420	2530	1740	1020	795	996	1020	3910	8430	10530	3660	2820

CAL YR 1974 TOTAL 29127 MEAN 79.8 MAX 293 MIN 12 AC-FT 57770
WTR YR 1975 TOTAL 20099 MEAN 55.1 MAX 199 MIN 12 AC-FT 39870

NOTE.--No gage-height record Jan. 4 to Feb. 13.

SEVIER LAKE BASIN

265

10191000 Piute Reservoir near Marysville, Utah

LOCATION.--Lat 38°19'26", long 112°11'26", in NW 1/4 NW 1/4 sec. 3, T.29 S., R.3 W., Piute County at Piute Dam on Sevier River, 9.0 miles (14.5 km) south of Marysville.

DRAINAGE AREA.--2,400 mi² (6,220 km²), approximately.

PERIOD OF RECORD.--March 1914 to current year.

GAGE.--Staff gage usually read once daily except Sunday. Datum of gage is 5,900.8 ft (1,798.56 m) above mean sea level (levels by Office of State Engineer).

EXTREMES.--Current year: Maximum contents observed, 46,960 acre-ft (57.9 hm³) Mar. 31 (gage height, 64.35 ft or 19.61 m); minimum observed, 4,830 acre-ft (5.96 hm³) Sept. 17-19 (gage height, 33.1 ft or 10.09 m).
Period of record: Maximum contents, 82,300 acre-ft (102 hm³) May 28, 1922 (gage height, 76.4 ft or 23.29 m, original capacity table); no contents at times in several years.

REMARKS.--Reservoir is formed by earthfill dam; storage began in summer of 1910. Capacity, 71,830 acre-ft (88.6 hm³) between gage heights 10 ft (3.05 m) (approximate bottom of reservoir) and 76 ft (23.16 m) (top of flashboards on spillway since 1941). Spillway crest is at gage height 70.2 ft (21.40 m). No dead storage. Water is used for irrigation. Revised capacity table, based on Soil Conservation Service survey in 1960, used since Oct. 1, 1962.

Capacity table (gage height, in feet,
and usable contents, in acre-feet)

33	4,760		
35	6,240	60	39,150
40	10,980	65	48,170
45	16,760		
50	23,380		
55	30,870		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5330	---	---	---	---	---	---	---	32460	41610	29310	9410
2	---	---	---	---	---	---	---	---	32950	41250	28850	8810
3	---	---	---	---	---	---	---	---	33270	40900	28400	8340
4	---	---	---	---	---	---	---	---	---	40550	27780	7960
5	---	---	---	---	---	---	---	43040	33270	40200	27490	7420
6	---	---	---	---	---	---	---	42320	---	39820	27340	6980
7	---	---	---	---	---	---	---	41790	35740	39330	27190	6730
8	---	---	---	---	---	---	---	40900	---	38810	26740	6480
9	---	---	---	---	---	---	---	40020	---	38290	26590	6240
10	---	---	---	---	---	---	---	39150	37270	37270	25850	6080
11	---	---	---	---	---	---	---	38470	37950	36930	25110	5850
12	---	---	---	---	---	---	---	37100	38120	36590	24390	5620
13	---	---	---	---	---	---	---	36080	38290	36760	23670	5400
14	---	---	---	---	---	---	---	35410	38120	36760	23100	5260
15	---	---	---	---	---	---	---	33440	38120	36930	22260	4970
16	---	---	---	---	---	---	---	32460	38120	37270	21570	4900
17	---	---	---	---	---	---	---	31990	---	37100	20760	4830
18	---	---	---	---	---	---	---	31510	38290	36760	19960	4830
19	---	---	---	---	---	---	---	31190	38290	36420	19170	4830
20	---	---	---	---	---	---	---	30560	38470	---	18400	4900
21	---	---	---	---	---	---	---	30400	---	---	17630	5120
22	---	---	---	---	---	---	---	30560	38810	---	16880	5330
23	---	---	---	---	---	---	---	30560	39150	---	16270	5470
24	---	---	---	---	---	---	---	30560	---	---	15670	5550
25	---	---	---	---	---	---	---	30720	39680	---	15070	5620
26	---	---	---	---	---	---	---	30720	---	---	14600	5700
27	---	---	---	---	---	---	---	30560	40200	30870	13450	5780
28	---	---	---	---	b 38290	---	---	30870	---	30870	12420	5850
29	---	---	---	---	---	---	---	31190	---	30400	11640	5930
30	---	a 19190	---	---	---	---	b 45580	31510	a 41250	29940	10770	6080
31	a 12370	---	b 26000	36080	---	46960	---	31830	---	29620	9920	---
MAX											29310	9410
MIN											9920	4830
(+)	---	---	---	58.2	---	64.35	---	55.6	---	54.2	39.0	34.8
(#)	+7110	+6820	+6810	+10080	+2210	+8670	-1380	-13750	+9420	-11630	-19700	+820

CAL YR 1974..... # -22,170

WTR YR 1975..... # + 820

+ Gage height, in feet at end of month.

Change in contents, in acre-feet.

a No gage-height record, contents interpolated.

b Contents taken from "Streamflow and Reservoir Contents" reports published monthly by USGS.

SEVIER LAKE BASIN

10191500 Sevier River below Piute Dam, near Marysville, Utah

LOCATION.—Lat 38°19'55", long 112°11'11", in NW¼NW¼SE¼ sec.34, T.28 S., R.3 W., Piute County, on left bank 0.8 mile (1.3 km) downstream from Piute Dam and 8.5 miles (13.7 km) south of Marysville.

DRAINAGE AREA.—2,440 mi² (6,320 km²), approximately.

PERIOD OF RECORD.—May to August 1911, May 1912 to current year.

GAGE.—Water-stage recorder. Altitude of gage is 5,870 ft (1,789 m) by barometer. Prior to May 4, 1912, nonrecording gage at site 0.5 mile (0.8 km) upstream at different datums. May 4, 1912 to Mar. 31, 1935, water-stage recorder at site 0.3 mile (0.5 km) upstream at different datum. Apr. 1, 1935 to Apr. 7, 1936, at datum 0.7 ft (0.213 m) higher. Apr. 8, 1936 to Feb. 25, 1970, at datum 0.5 ft (0.152 m) higher.

AVERAGE DISCHARGE.—63 years (1912-75), 213 ft³/s (6.032 m³/s), 154,300 acre-ft/yr (190 hm³/yr).

EXTREMES.—Current year: Maximum discharge, 637 ft³/s (18.0 m³/s) July 9, 10 (gage height, 2.96 ft or 0.902 m); minimum daily, 3.6 ft³/s (0.102 m³/s) Feb. 9.
Period of record: Maximum discharge, 2,600 ft³/s (73.6 m³/s) May 23, 24, 1922; practically no flow at times when reservoir gates were closed.

REMARKS.—Records good. One small diversion between gage and Piute Reservoir. Flow regulated by Piute Reservoir (see station 10191000). Records of chemical analysis for the water year 1975 will be published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	72	67	4.4	3.8	4.0	4.6	406	6.1	284	390	398
2	99	72	67	4.4	3.8	4.0	4.4	406	5.7	351	381	395
3	99	70	67	4.4	3.8	4.0	4.4	406	5.7	378	367	383
4	96	70	35	4.4	3.8	4.0	4.4	440	6.1	381	317	314
5	96	70	6.4	4.4	3.8	4.4	4.4	436	65	396	191	296
6	94	70	5.1	4.4	3.8	4.6	4.4	419	67	484	231	255
7	94	69	4.8	4.4	3.8	4.2	4.4	402	60	484	231	262
8	88	69	4.8	4.4	3.8	4.0	4.6	475	11	526	241	265
9	80	69	4.4	4.4	3.6	4.2	4.6	535	8.6	600	316	265
10	80	69	4.4	4.4	4.0	4.4	4.6	531	8.1	587	327	244
11	80	69	4.4	4.4	4.4	4.2	4.6	557	55	449	380	242
12	80	67	4.4	4.4	4.4	4.2	4.8	518	184	375	379	240
13	78	67	4.4	4.4	4.4	4.2	4.8	589	315	289	378	238
14	78	67	4.4	4.4	4.4	4.2	4.8	598	289	166	420	235
15	78	67	4.4	4.4	4.4	4.2	4.6	611	308	129	494	169
16	76	67	4.4	4.4	4.4	4.0	4.6	602	218	230	493	153
17	76	65	4.4	4.4	4.4	4.0	4.6	522	16	342	492	135
18	76	65	4.4	4.4	4.4	4.0	4.8	449	230	392	488	97
19	76	63	4.4	4.4	4.4	4.0	4.8	431	148	397	497	57
20	76	63	4.4	4.4	4.4	4.0	4.8	346	121	396	539	23
21	76	63	4.4	4.4	4.4	4.0	4.8	269	175	458	539	24
22	74	63	4.6	4.4	4.4	4.2	67	266	158	500	491	23
23	74	65	4.4	4.4	4.4	4.4	190	168	82	498	494	46
24	74	65	4.4	4.4	4.0	4.4	194	94	80	533	488	47
25	74	67	4.4	4.4	4.0	4.4	190	94	79	600	468	48
26	74	67	4.4	4.6	4.0	4.4	190	113	76	590	451	47
27	74	67	4.4	4.4	4.0	4.4	194	54	129	525	447	47
28	74	67	4.4	3.8	4.0	4.4	288	10	168	523	445	48
29	72	67	4.4	3.8	---	4.2	346	8.6	168	462	422	48
30	72	67	4.4	3.8	---	4.4	440	7.7	190	366	404	46
31	72	---	4.4	3.8	---	4.6	---	6.4	---	406	401	---
TOTAL	2509	2018	358.5	134.2	115.2	130.6	2195.8	10769.7	3432.3	13097	12602	5090
MEAN	80.9	67.3	11.6	4.33	4.11	4.21	73.2	347	114	422	407	170
MAX	99	72	67	4.6	4.4	4.6	440	611	315	600	539	398
MIN	72	63	4.4	3.8	3.6	4.0	4.4	6.4	5.7	129	191	23
AC-FT	4980	4000	711	266	228	259	4360	21360	6810	25980	25000	10100

CAL YR 1974 TOTAL 73596.2 MEAN 202 MAX 620 MIN 4.4 AC-FT 146000
WTR YR 1975 TOTAL 52452.3 MEAN 144 MAX 611 MIN 3.6 AC-FT 104000

SEVIER LAKE BASIN

267

10194000 Sevier River above Clear Creek, near Sevier, Utah

LOCATION.—Lat 38°34'20", long 112°15'27", in NE¼NW¼NE¼ sec.5, T.26 S., R.4 W., Sevier County, on right bank 0.6 mile (1.0 km) upstream from bridge on U.S. Highway 89, 0.7 mile (1.1 km) upstream from Clear Creek, and 1.0 mile (1.6 km) south of Sevier.

DRAINAGE AREA.—2,700 mi² (6,990 km²), approximately.

PERIOD OF RECORD.—May 1911 to November 1916 (published as Sevier River at Sevier), April 1939 to September 1955, October 1960 to current year. Records for November 1916 to September 1929 (published as Sevier River at Sevier) include flow of Clear Creek and are not equivalent.

GAGE.—Water-stage recorder. Altitude of gage is 5,560 ft (1,695 m) by barometer. Prior to May 16, 1912, nonrecording gage, and May 16, 1912 to Sept. 30, 1929, water-stage recorder, at site 0.8 mile (1.3 km) downstream at different datums (datum lowered 1.0 ft or 3.05 m, Mar. 31, 1913).

AVERAGE DISCHARGE.—35 years (1912-16, 1939-55, 1960-75), 236 ft³/s (6.684 m³/s), 171,000 acre-ft/yr (211 hm³/yr).

EXTREMES.—Current year: Maximum discharge, 774 ft³/s (21.9 m³/s) July 10 (gage height, 2.93 ft or 0.893 m); minimum, 9.8 ft³/s (0.28 m³/s) Mar. 30.

Period of record (not including flow of Clear Creek): Maximum discharge, 2,270 ft³/s (64.3 m³/s) May 16, 1941 (gage height, 4.83 ft or 1.472 m); minimum, 2.3 ft³/s (0.065 m³/s) Dec. 13, 1964.

1916-29 (including flow of Clear Creek): Maximum discharge, 2,800 ft³/s (79.3 m³/s) during last week of May 1922, computed on basis of records for station near Marysvale; minimum 10 ft³/s (0.28 m³/s) Nov. 27, 1919.

REMARKS.—Records good except those for winter months, which are fair. Many diversions above station for irrigation. Flow regulated by Piute Reservoir.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	86	78	10	12	28	19	400	51	293	430	392
2	104	87	78	10	13	31	20	386	78	371	406	388
3	107	84	78	10	14	27	19	389	103	428	403	386
4	110	84	81	10	15	26	17	405	115	439	376	363
5	105	84	58	10	13	24	16	421	142	440	263	311
6	104	84	36	12	12	26	16	421	240	490	258	284
7	104	86	32	15	12	26	17	397	307	533	253	272
8	104	85	30	12	13	24	18	410	287	542	250	274
9	95	86	30	11	14	24	19	493	257	608	289	278
10	89	85	29	11	12	24	19	515	219	759	329	269
11	88	84	29	10	11	24	18	520	176	628	363	250
12	88	85	29	10	11	23	19	538	243	572	392	271
13	88	82	31	10	13	22	18	544	377	469	388	256
14	87	82	25	11	16	22	16	592	469	455	383	248
15	87	82	27	12	14	23	16	616	504	268	457	243
16	87	83	31	12	15	22	16	630	487	287	487	210
17	87	81	33	12	16	22	16	595	354	331	485	189
18	87	81	28	12	11	23	18	526	277	407	477	169
19	87	80	23	14	12	22	20	475	321	426	472	133
20	87	79	23	16	20	22	19	489	249	425	504	79
21	87	80	24	13	19	21	20	364	247	430	536	43
22	86	79	24	11	18	21	20	305	252	508	528	40
23	89	79	20	10	19	21	48	294	237	518	475	40
24	87	79	17	10	20	21	123	264	194	514	483	56
25	85	80	15	16	22	21	152	118	172	578	478	57
26	85	79	13	15	24	20	170	109	159	606	450	57
27	86	79	10	14	28	18	180	172	150	589	443	57
28	87	79	11	13	28	24	185	114	224	545	439	61
29	90	78	12	10	---	24	297	66	257	536	435	59
30	87	79	11	11	---	19	348	56	256	447	403	61
31	85	---	10	11	---	22	---	50	---	411	396	---
TOTAL	2854	2461	976	364	447	717	1899	11674	7404	14853	12731	5796
MEAN	92.1	82.0	31.5	11.7	16.0	23.1	63.3	377	247	479	411	193
MAX	110	87	81	16	28	31	348	630	504	759	536	392
MIN	85	78	10	10	11	18	16	50	51	268	250	40
AC-FT	5660	4880	1940	722	887	1420	3770	23160	14690	29460	25250	11500

CAL YR 1974 TOTAL 79666 MEAN 218 MAX 647 MIN 10 AC-FT 158000
WTR YR 1975 TOTAL 62176 MEAN 170 MAX 759 MIN 10 AC-FT 123300

SEVIER LAKE BASIN

10194200 Clear Creek above diversions, near Sevier, Utah

LOCATION.--Lat 38°34'45", long 112°17'22", in NW¼NW¼SW¼ sec.31, T.25 S., R.4 W., Sevier County, on left bank at south side of State Highway 13, 1.8 miles (2.9 km) west of Sevier, 2.3 miles (3.7 km) upstream from mouth, and 17.2 miles (27.7 km) southwest of Richfield.

DRAINAGE AREA.--164 mi² (425 km²).

PERIOD OF RECORD.--August 1957 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,680 ft (1,731 m) from topographic map.

AVERAGE DISCHARGE.--18 years, 32.1 ft³/s (0.906 m³/s), 23,260 acre-ft/yr (28.7 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 369 ft³/s (10.5 m³/s) June 9 (gage height, 3.34 ft or 1.018 m); minimum daily, 3.2 ft³/s (0.091 m³/s) Jan. 12, 13.

Period of record: Maximum discharge, 769 ft³/s (21.8 m³/s) Apr. 29, 1973 (gage height, 4.41 ft or 1.344 m); minimum, 1.9 ft³/s (0.054 m³/s) Sept. 9, 1959.

REMARKS.--Records good. Small diversions for irrigation above station. Flow regulated by several small reservoirs, combined capacity about 1,000 acre-ft (1.23 hm³), at headwaters.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	14	6.5	6.5	8.7	15	13	34	232	110	28	28
2	8.6	15	6.0	7.0	8.7	14	11	35	265	105	28	16
3	8.6	14	7.0	7.0	8.2	12	12	45	292	105	27	15
4	8.6	13	14	6.5	8.2	11	13	55	292	109	24	14
5	10	12	14	8.2	7.0	12	15	42	300	101	22	13
6	10	12	9.9	9.9	8.2	12	19	35	309	93	20	13
7	10	11	9.9	9.9	9.9	11	14	32	350	68	20	13
8	10	14	9.3	11	8.2	12	13	31	344	66	20	13
9	10	15	5.4	8.7	8.7	13	14	34	340	68	20	14
10	11	12	5.4	8.2	8.7	12	13	44	279	81	19	14
11	11	12	5.4	8.2	8.2	12	14	61	234	76	19	13
12	11	13	6.0	4.8	8.7	11	14	100	215	75	20	17
13	11	14	6.0	5.4	8.7	9.6	12	111	230	64	20	18
14	11	13	6.5	7.0	8.7	11	14	144	263	55	19	16
15	11	13	6.5	7.0	8.7	10	16	163	281	50	18	17
16	11	12	12	8.2	8.7	10	20	175	291	43	18	30
17	11	12	10	7.0	8.2	9.5	20	152	270	40	18	25
18	11	13	8.2	6.5	7.0	11	20	152	252	35	17	16
19	11	12	14	6.5	7.6	13	17	193	204	33	16	13
20	11	10	12	6.5	13	15	19	243	174	33	20	13
21	11	13	13	6.5	7.6	14	26	186	158	30	31	12
22	12	10	12	4.8	8.7	14	37	155	142	28	22	12
23	12	9.3	4.8	7.0	9.3	12	49	144	138	28	19	12
24	11	9.9	4.8	8.7	9.3	13	68	134	141	28	16	11
25	11	13	4.8	7.6	11	15	72	161	142	28	29	12
26	12	10	4.8	8.2	10	13	49	176	134	28	33	12
27	12	10	6.0	7.6	11	7.4	39	252	129	28	33	11
28	12	14	7.6	6.5	13	9.7	34	274	125	28	34	11
29	14	8.7	9.3	4.8	---	13	31	219	121	28	34	11
30	13	6.5	7.6	8.2	---	14	31	196	115	28	34	11
31	13	---	7.6	8.2	---	15	---	203	---	28	33	---
TOTAL	338.4	360.4	256.3	228.1	251.9	376.2	739	3981	6762	1720	731	446
MEAN	10.9	12.0	8.27	7.36	9.00	12.1	24.6	128	225	55.5	23.6	14.9
MAX	14	15	14	11	13	15	72	274	350	110	34	30
MIN	8.6	6.5	4.8	4.8	7.0	7.4	11	31	115	28	16	11
AC-FT	671	715	508	452	500	746	1470	7900	13410	3410	1450	885
CAL YR 1974	TOTAL	9781.6	MEAN 26.8	MAX 294	MIN 4.8	AC-FT 19400						
WTR YR 1975	TOTAL	16190.3	MEAN 44.4	MAX 350	MIN 4.8	AC-FT 32110						

SEVIER LAKE BASIN

269

10205000 Sevier River near Sigurd, Utah

LOCATION.--Lat 38°52'13", long 111°57'14", in SW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.22 S., R.1 W., Sevier County, on left bank 200 ft (61 m) downstream from county road bridge, 0.5 mile (0.8 km) downstream from Rocky Ford Dam, 2.3 miles (3.7 km) northeast of Sigurd, and 5.0 miles (8.0 km) upstream from Lost Creek.

DRAINAGE AREA.--3,340 mi² (8,650 km²), approximately.

PERIOD OF RECORD.--July to September 1912, July 1914 to current year. Prior to October 1938, published as "near Vermillion."

GAGE.--Water-stage recorder. Altitude of gage is 5,180 ft (1,579 m) by barometer. July to September 1912, nonrecording gage 0.3 mile (0.5 km) downstream at different datum. July 31, 1914 to Apr. 19, 1917, nonrecording gage and Apr. 20, 1917 to Oct. 16, 1935, water-stage recorder, at present site at datum 2.00 ft (0.610 m) lower.

AVERAGE DISCHARGE.--61 years, 95.2 ft³/s (2.696 m³/s), 68,970 acre-ft/yr (85.0 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 231 ft³/s (6.54 m³/s) May 23, Sept. 18 (gage height, 2.54 ft or 0.774 m); minimum, 0.96 ft³/s (0.027 m³/s) July 26-28.

Period of record: Maximum discharge, 2,400 ft³/s (68.0 m³/s) May 30, 1922 (gage height, 6.1 ft or 1.859 m, present datum), from rating curve extended above 600 ft³/s (17.0 m³/s) on basis of maximum discharge for other Sevier River stations; practically no flow (seepage only) at times when Rocky Ford Reservoir gates were closed.

REMARKS.--Records good. Flow regulated by reservoirs above station. During irrigation season practically entire flow through Rocky Ford Dam is diverted above station for irrigation below station.

REVISIONS(WATER YEARS).--WSP 1394: 1927-28, 1947.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	71	93	75	103	113	61	52	137	26	78	40
2	65	74	99	78	103	107	71	55	118	35	55	45
3	50	78	118	75	100	106	76	87	108	12	45	44
4	44	81	122	75	102	104	74	107	45	7.0	49	49
5	43	84	126	75	102	108	64	78	19	4.2	44	53
6	51	76	116	78	102	106	43	58	18	2.4	40	63
7	55	74	97	93	102	104	28	50	29	3.5	47	65
8	50	74	97	86	108	100	15	50	31	4.2	45	61
9	48	75	92	86	109	100	12	60	44	4.2	38	59
10	66	69	85	84	112	106	5.6	66	92	3.1	31	63
11	76	68	76	85	111	115	3.5	63	102	2.7	41	63
12	69	70	81	80	107	74	14	23	88	9.4	48	53
13	65	75	86	78	111	36	24	2.2	37	31	34	55
14	37	76	85	79	112	36	29	1.4	5.0	55	25	54
15	21	80	85	83	111	37	29	1.4	12	57	22	50
16	104	81	90	86	108	38	28	1.5	45	49	11	65
17	192	76	93	86	107	40	31	1.6	103	46	10	75
18	179	71	92	87	102	44	37	1.6	99	38	8.0	129
19	116	72	90	89	100	36	24	1.6	68	16	6.6	203
20	83	73	93	92	106	41	18	1.7	43	4.4	5.0	167
21	81	74	89	95	109	49	7.0	34	37	3.7	3.7	135
22	81	78	88	90	92	50	1.8	152	56	2.4	5.6	107
23	86	76	84	89	97	50	1.4	199	65	1.6	5.9	88
24	86	74	81	95	97	50	1.4	182	60	1.3	6.6	79
25	81	74	76	99	98	51	47	154	57	1.3	10	68
26	79	76	75	106	103	58	66	106	57	1.0	15	58
27	78	76	78	108	108	66	52	43	53	.96	14	55
28	78	76	79	108	111	70	50	13	47	24	13	56
29	78	89	82	100	---	71	55	47	40	47	16	59
30	78	90	81	99	---	66	48	142	30	63	27	60
31	74	---	79	109	---	59	---	169	---	76	40	---
TOTAL	2363	2281	2808	2748	2933	2191	1016.7	2003.0	1745.0	632.36	839.4	2221
MEAN	76.2	76.0	90.6	88.6	105	70.7	33.9	64.6	58.2	20.4	27.1	74.0
MAX	192	90	126	109	112	115	76	199	137	76	78	203
MIN	21	68	75	75	92	36	1.4	1.4	5.0	.96	3.7	40
AC-FT	4690	4520	5570	5450	5820	4350	2020	3970	3460	1250	1660	4410
CAL YR 1974 TOTAL	34901.60			MEAN 95.6	MAX 524	MIN 1.2	AC-FT 69230					
WTR YR 1975 TOTAL	23781.46			MEAN 65.2	MAX 203	MIN .96	AC-FT 47170					

SEVIER LAKE BASIN

10205030 Salina Creek near Emery, Utah

LOCATION.--Lat 38°54'43", long 111°31'47", in SE¼SW¼NW¼ sec.12, T.22 S., R.3 E., Sevier County, on right bank, 2.5 miles (4.0 km) upstream from Soil Conservation Service retention dam, 15.3 miles (24.6 km) west of Emery, and 18.4 miles (29.6 km) east of Salina.

DRAINAGE AREA.--53 mi² (137 km²), approximately.

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder. Altitude of gage, 7,000 ft (2,134 m) from topographic map. Prior to June 9, 1971, at site 300 ft (91 m) downstream at different datum.

AVERAGE DISCHARGE.--12 years, 17.7 ft³/s (0.501 m³/s), 12,820 acre-ft/yr (15.8 km³/yr).

EXTREMES.--Current year: Maximum discharge, 480 ft³/s (13.6 m³/s) June 7 (gage height, 5.15 ft or 1.570 m); minimum recorded discharge, 1.7 ft³/s (0.048 m³/s) Apr. 19.

Period of record: Maximum discharge, 519 ft³/s (14.7 m³/s) May 16, 1974 (gage height, 5.07 ft or 1.545 m); minimum discharge recorded, 1.7 ft³/s (0.048 m³/s) Apr. 19, 1975.

REMARKS.--Records fair except those for winter periods and periods of no gage-height record, which are poor. No diversion above station. Slight regulation from small reservoirs at headwaters.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	9.8	6.6	6.7	4.6	5.2	5.0	7.3	171	21	15	12
2	9.9	9.8	6.6	6.5	4.6	5.3	5.3	7.9	186	19	15	11
3	10	9.5	6.8	6.3	4.6	5.2	5.6	9.4	163	17	15	11
4	11	9.4	7.0	6.1	4.6	5.0	6.4	10	186	16	14	11
5	10	8.8	7.3	5.9	4.6	4.6	6.6	8.2	186	15	14	11
6	9.9	9.9	7.4	5.8	4.6	4.5	6.4	7.9	209	14	14	11
7	9.9	10	7.2	5.7	4.6	4.5	5.9	7.6	253	19	14	12
8	9.9	9.4	7.0	5.7	4.6	4.6	6.2	7.3	261	21	14	11
9	9.9	9.6	6.6	5.7	4.6	4.7	6.0	8.6	163	22	14	12
10	9.9	9.4	6.4	5.5	4.6	4.7	5.7	10	113	29	14	11
11	9.9	9.4	6.2	6.0	4.6	4.6	5.3	16	100	30	14	12
12	9.9	9.4	6.4	6.3	4.6	4.4	5.2	24	106	27	16	12
13	9.9	9.3	6.6	6.5	4.6	4.2	5.3	28	117	24	16	13
14	9.9	9.1	6.6	6.5	4.6	4.2	6.0	46	127	22	16	12
15	9.9	8.8	6.4	6.3	4.6	4.2	6.6	63	110	24	16	12
16	9.9	8.6	6.7	6.0	4.6	4.3	6.3	59	95	27	16	12
17	9.8	8.6	6.6	5.5	4.8	4.6	6.3	66	76	23	16	12
18	9.6	8.6	6.6	5.4	5.0	4.7	6.9	71	68	21	16	12
19	9.6	8.6	6.6	5.4	5.0	4.8	6.0	91	55	21	16	12
20	9.6	8.8	6.6	5.1	5.0	4.9	6.9	113	50	20	16	12
21	9.8	8.8	6.5	5.1	4.8	4.9	6.9	42	44	19	20	12
22	10	8.8	6.3	4.8	4.5	4.7	7.6	31	39	18	11	12
23	10	8.8	6.0	4.8	4.9	5.0	7.6	27	38	17	11	12
24	10	8.6	5.6	5.0	5.3	5.0	7.9	48	34	17	11	11
25	9.9	8.3	5.4	5.1	5.3	4.8	8.6	80	32	16	11	11
26	9.9	7.8	5.4	5.1	5.1	4.5	8.6	110	29	16	11	11
27	9.9	7.6	5.8	5.1	4.8	4.3	7.9	116	28	16	12	11
28	9.9	7.6	6.4	5.1	5.1	4.1	7.9	85	27	16	11	11
29	10	7.3	6.7	4.9	---	4.1	6.0	74	25	15	11	11
30	9.8	7.0	6.9	4.7	---	4.2	6.9	97	24	15	11	11
31	9.9	---	6.9	4.6	---	4.5	---	100	---	15	11	---
TOTAL	307.5	265.4	202.1	173.2	133.2	143.3	195.8	1471.2	3115	612	432	347
MEAN	9.92	8.85	6.52	5.59	4.76	4.62	6.53	47.5	104	19.7	13.9	11.6
MAX	11	10	7.4	6.7	5.3	5.3	8.6	116	261	30	20	13
MIN	9.6	7.0	5.4	4.6	4.5	4.1	5.0	7.3	24	14	11	11
AC-FT	610	526	401	344	264	284	388	2920	6180	1210	857	688
CAL YR 1974	TOTAL	9114.4	MEAN 25.0	MAX 356	MIN 5.4	AC-FT 18080						
WTR YR 1975	TOTAL	7397.7	MEAN 20.3	MAX 261	MIN 4.1	AC-FT 14670						

PEAK DISCHARGE (BASE, 60 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-20	0200	4.60	206	6-7	2400	5.15	480
5-21	2100	4.63	223	6-14	1900	4.81	186
6-1	2000	5.04	357	7-11	2000	4.54	87

NOTE.--No gage-height record Nov. 8 to Apr. 15.

SEVIER LAKE BASIN

271

10206000 Salina Creek at Salina, Utah

LOCATION.--Lat 38°57'25", long 111°51'58", in SW¼NW¼NW¼ sec.25, T.21 S., R.1 W., Sevier County, on right bank 150 ft (46 m) upstream from bridge on U.S. Highway 89 in Salina and 0.8 mile (1.3 km) upstream from mouth.

DRAINAGE AREA.--290 mi² (751 km²), approximately.

PERIOD OF RECORD.--April to September 1914 (fragmentary), April 1915 to September 1916, October 1917 to September 1919, November 1942 to September 1955, water year 1960 (annual maximum), October 1960 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 5,140 ft (1,567 m) estimated on basis of nearby benchmark. Prior to Mar. 23, 1915, nonrecording gage at site 150 ft (46 m) downstream at different datum. Mar. 23, 1915, to Oct. 16, 1917, nonrecording gage, and Oct. 17, 1917, to Sept. 30, 1919, water-stage recorder at site about 0.2 mile (0.3 km) upstream at different datum.

AVERAGE DISCHARGE.--30 years (1915-16, 1917-19, 1943-55, 1960-75), 21.4 ft³/s (0.606 m³/s), 15,500 acre-ft/yr (19.1 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 702 ft³/s (19.88 m³/s) May 20 (gage height, 3.94 ft or 1.20 m, from highwater mark); minimum, 0.46 ft³/s (0.013 m³/s) several days in August and September.

Period of record: Maximum discharge, 1,800 ft³/s (51.0 m³/s) Aug. 26, 1970 (gage height, 7.17 ft or 2.185 m, from floodmark), from rating curve extended above 400 ft³/s (11.3 m³/s), on basis of slope-area measurement of peak flow; no flow at times.

REMARKS.--Records fair except for winter periods, which are poor. Diversions above and below station for irrigation.

REVISIONS (WATER YEARS).--WSP 1734: Drainage area. WSP 2127: 1953(M), 1960(M), 1965(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.81	42	9.8	9.3	8.9	24	22	11	200	6.7	1.6	1.2
2	.75	45	10	8.9	9.4	28	23	8.2	329	4.8	1.3	1.1
3	.81	42	10	8.8	9.8	26	18	13	286	4.0	1.8	1.6
4	1.8	39	10	9.1	9.6	19	14	38	295	9.4	1.9	.91
5	1.1	30	13	9.7	9.2	18	19	13	280	9.4	1.2	.95
6	1.1	23	12	10	8.9	18	21	7.7	296	3.2	1.3	.87
7	1.0	28	11	11	8.7	17	13	4.5	365	4.0	1.1	.99
8	1.3	37	9.6	11	11	16	9.4	3.6	369	5.9	1.1	1.4
9	1.3	41	9.3	10	14	24	11	10	299	7.4	1.3	2.1
10	1.1	37	9.2	9.1	14	20	7.2	25	228	5.5	1.2	1.9
11	1.1	27	9.2	8.9	13	18	2.6	55	182	11	1.6	1.1
12	2.1	26	9.5	8.9	12	21	2.4	62	180	13	1.7	1.3
13	3.6	30	10	8.8	12	16	6.6	64	192	5.1	.79	3.6
14	1.1	28	9.7	8.7	15	20	8.7	137	207	4.5	1.2	2.5
15	1.1	27	9.3	9.1	15	20	4.6	158	197	2.8	.91	2.5
16	14	29	10	9.3	13	19	4.7	304	182	3.6	1.1	2.1
17	26	27	11	9.9	14	16	5.1	217	162	1.5	1.3	3.1
18	18	27	10	9.9	15	17	3.7	205	146	1.5	1.3	1.8
19	18	33	10	9.8	16	14	3.3	192	131	1.5	1.2	1.3
20	20	23	11	12	18	18	2.3	526	138	1.6	1.4	1.2
21	26	18	11	11	15	19	6.2	152	166	1.9	13	1.3
22	33	24	11	9.9	14	23	17	80	171	2.2	9.8	1.6
23	46	21	11	9.7	13	14	10	66	149	1.7	3.0	2.1
24	44	17	10	10	14	14	14	63	78	1.6	1.9	1.4
25	39	13	9.5	11	15	11	24	60	65	1.4	2.1	.90
26	39	12	9.1	12	16	11	20	59	52	1.4	1.9	1.1
27	39	12	8.9	11	17	11	5.7	110	38	2.6	.63	1.3
28	39	13	11	10	19	12	6.3	90	29	2.1	.64	1.4
29	41	12	11	9.1	---	15	7.9	80	17	1.8	.84	1.3
30	44	11	10	8.9	---	19	13	79	13	.97	.84	1.4
31	41	---	9.7	8.8	---	26	---	78	---	1.5	.70	---
TOTAL	547.07	794	315.8	303.6	369.5	564	325.7	2971.0	5442	125.57	61.65	47.32
MEAN	17.6	26.5	10.2	9.79	13.2	18.2	10.9	95.8	181	4.05	1.99	1.58
MAX	46	45	13	12	19	28	24	526	369	13	13	3.6
MIN	.75	11	8.9	8.7	8.7	11	2.3	3.6	13	.97	.63	.87
AC-FT	1090	1570	626	602	733	1120	646	5890	10790	249	122	94
CAL YR 1974	TOTAL	16471.95	MEAN	45.1	MAX	744	MIN	.46	AC-FT	32670		
WTR YR 1975	TOTAL	11867.21	MEAN	32.5	MAX	526	MIN	.63	AC-FT	23540		

SEVIER LAKE BASIN

10208500 Oak Creek near Fairview, Utah

LOCATION.--Lat 39°40'26", long 111°24'30", in NW¼NE¼SW¼ sec.19, T.13 S., R.5 E., Sanpete County, on right bank 2.1 miles (3.4 km) upstream from mouth and 3.7 miles (6.0 km) northeast of Fairview.

DRAINAGE AREA.--11 mi² (28 km²), approximately.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,300 ft (1,920 m) from topographic map.

AVERAGE DISCHARGE.--11 years, 11.0 ft³/s (0.311 m³/s), 7,970 acre-ft/yr (9.83 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 230 ft³/s (6.51 m³/s) June 6 (gage height, 4.03 ft or 1.228 m); minimum, 0.78 ft³/s (0.022 m³/s) Nov. 29.

Period of record: Maximum discharge, 262 ft³/s (7.42 m³/s) May 20, 1973 (gage height, 4.08 ft or 1.244 m); minimum discharge, 0.78 ft³/s (0.022 m³/s) Nov. 29, 1974.

REMARKS.--Records good. No diversion or regulation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.5	2.1	1.9	1.9	2.1	2.0	3.1	123	19	5.9	3.5
2	1.7	2.4	2.2	1.9	1.9	2.2	2.0	3.6	137	18	5.7	3.5
3	1.7	2.2	2.2	1.9	1.9	2.1	2.2	5.2	163	18	5.2	3.8
4	2.2	2.1	2.3	1.9	1.9	2.0	2.3	6.8	182	17	4.8	3.5
5	2.0	2.0	2.4	1.9	1.9	2.1	2.5	5.0	186	17	4.8	3.5
6	1.8	1.8	2.2	1.9	1.9	2.2	2.7	4.4	178	16	4.6	3.5
7	1.8	1.9	2.4	1.9	1.9	2.1	2.4	4.1	132	15	4.4	3.4
8	1.7	2.1	2.1	1.9	1.9	2.1	2.3	4.1	120	14	4.2	3.4
9	1.8	2.1	2.3	1.9	1.9	2.2	2.2	5.2	147	14	4.0	3.5
10	1.7	2.0	2.3	1.9	2.0	2.2	2.2	7.4	111	15	3.8	3.7
11	1.6	1.9	2.3	1.9	2.0	2.2	2.2	12	95	13	3.8	3.7
12	1.8	2.0	2.1	1.9	1.9	2.1	2.3	14	88	12	3.8	3.8
13	1.7	2.0	2.2	1.9	1.9	2.1	2.4	16	80	12	4.2	4.3
14	1.7	2.0	2.1	1.9	1.9	2.1	2.6	27	77	11	4.3	3.9
15	1.7	2.0	2.0	1.9	1.9	2.1	2.4	37	68	11	4.4	3.7
16	1.7	1.9	2.0	1.9	1.9	2.1	2.5	41	62	10	4.1	3.4
17	1.7	1.9	2.0	1.9	1.9	2.1	2.6	47	55	10	4.2	3.4
18	1.7	2.1	2.0	1.9	1.8	2.1	2.5	54	48	9.8	3.4	3.3
19	1.7	2.1	2.0	1.9	1.9	2.3	2.4	65	43	9.4	2.5	3.3
20	1.7	1.9	2.0	1.9	1.9	2.5	2.5	85	40	8.8	3.3	3.4
21	1.7	2.1	2.1	1.9	1.8	2.3	2.9	65	37	8.6	6.2	3.2
22	1.7	2.2	2.1	1.9	2.4	2.3	3.7	56	34	8.3	7.9	3.2
23	2.2	1.9	1.9	2.0	1.8	2.1	3.7	48	31	7.7	6.9	3.1
24	2.1	2.0	1.9	2.0	1.8	2.1	4.0	46	29	7.5	3.7	3.2
25	1.9	2.2	1.9	2.0	1.9	2.3	4.7	52	26	7.2	2.9	3.2
26	1.8	1.8	1.9	2.0	1.9	2.1	3.8	58	24	7.0	2.7	3.3
27	1.9	1.9	1.9	2.0	1.9	2.0	3.4	75	22	7.0	3.0	3.3
28	2.3	2.3	1.9	2.0	1.9	2.0	3.2	79	21	6.7	3.1	3.2
29	2.3	1.6	1.9	2.0	---	2.0	3.0	87	20	6.4	3.0	3.3
30	2.1	1.9	1.9	1.9	---	2.1	2.9	99	19	6.4	3.3	3.5
31	2.1	---	1.9	1.9	---	2.1	---	112	---	5.9	3.3	---
TOTAL	57.2	60.8	64.5	59.6	53.5	66.4	82.5	1223.9	2398	348.7	131.4	104.0
MEAN	1.85	2.03	2.08	1.92	1.91	2.14	2.75	39.5	79.9	11.2	4.24	3.47
MAX	2.3	2.5	2.4	2.0	2.4	2.5	4.7	112	186	19	7.9	4.3
MIN	1.6	1.6	1.9	1.9	1.8	2.0	2.0	3.1	19	5.9	2.5	3.1
AC-FT	113	121	128	118	106	132	164	2430	4760	692	261	206

CAL YR 1974 TOTAL 3263.2 MEAN 8.94 MAX 117 MIN 1.4 AC-FT 6470
WTR YR 1975 TOTAL 4650.5 MEAN 12.7 MAX 186 MIN 1.6 AC-FT 9220

PEAK DISCHARGE (BASE, 25 CFS).--May 19 (2400) 105 cfs (2.99 ft.); June 6 (2200) 230 cfs (4.03 ft.).

10210000 Pleasant Creek near Mount Pleasant, Utah

LOCATION.--Lat 39°32'35", long 111°23'00", in NW¼NW¼SE¼ sec.5, T.15 S., R.5 E., Sanpete County, on left bank 0.2 mile (0.3 km) downstream from South Fork and 3.9 miles (6.3 km) east of Mount Pleasant.

DRAINAGE AREA.--16.4 mi² (42.5 km²).

PERIOD OF RECORD.--October 1954 to September 1975 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 6,759.67 ft (2,060.347 m) above mean sea level (levels by U.S. Soil Conservation Service).

AVERAGE DISCHARGE.--21 years, 17.7 ft³/s (0.50 m³/s), 12,820 acre-ft/yr (15.8 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 386 ft³/s (10.9 m³/s) June 15 (gage height, 6.01 ft or 1.832 m); minimum, 7.0 ft³/s (0.198 m³/s) Nov. 20.

Period of record: Maximum discharge not determined, occurred during mud-rock flow Aug. 16, 1955, (estimated flow 750 ft³/s or 21.2 m³/s below debris basin located 0.5 mile or 0.8 km below gage); minimum, 0.8 ft³/s (0.023 m³/s) Sept. 28, 1959, caused by temporary obstruction upstream.

Flood of July 24, 1946, was 2,060 ft³/s (58.3 m³/s), from critical-depth measurement of peak flow over retention dam 0.5 mile (0.8 km) below gage.

REMARKS.--Records good except those for period of no gage-height record, which are fair. Records include flow of Candland ditch and Coal Fork ditch, which are transmountain diversions from San Rafael River basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	9.5	8.5	8.8	8.8	9.2	8.5	9.2	45	102	19	10
2	9.2	9.5	8.5	8.8	8.8	9.5	8.5	9.5	59	104	18	10
3	9.2	9.2	8.5	8.8	8.8	9.2	8.8	11	63	104	18	10
4	9.9	9.2	8.8	8.8	8.8	9.2	8.8	12	74	97	17	9.9
5	9.5	9.2	8.8	8.8	8.8	9.2	9.2	10	83	91	16	9.9
6	9.5	8.5	8.5	8.8	8.8	9.2	9.2	9.5	102	91	16	9.9
7	9.2	8.8	8.8	8.8	8.8	9.2	8.8	9.2	65	91	16	9.5
8	9.2	8.8	8.5	9.2	8.8	9.2	8.8	9.5	77	87	15	9.9
9	9.2	9.2	8.8	8.8	8.8	9.2	8.8	11	79	81	15	9.9
10	9.2	8.5	8.8	8.8	8.8	9.2	8.8	13	75	75	14	9.9
11	9.2	8.5	8.8	8.8	8.8	9.2	8.8	18	70	68	14	9.9
12	9.2	8.5	8.8	8.8	8.8	9.2	8.8	16	81	65	14	9.9
13	9.2	8.5	8.8	8.8	8.8	8.8	8.8	17	99	60	14	9.9
14	9.2	8.5	8.8	8.8	8.8	9.2	8.8	21	143	47	13	9.9
15	9.2	8.5	8.8	8.8	8.8	9.2	8.8	24	273	37	13	9.5
16	9.2	8.5	8.8	8.8	8.8	8.8	8.8	24	150	37	12	9.5
17	9.2	8.5	9.2	8.8	8.8	9.2	8.8	25	133	34	12	9.5
18	8.8	8.5	8.8	8.8	8.5	9.2	8.8	27	108	34	12	9.2
19	8.8	8.5	8.8	8.8	8.8	9.5	8.8	32	91	33	12	9.2
20	8.8	8.2	8.8	8.8	8.8	9.9	9.2	37	72	32	12	9.2
21	8.8	8.5	8.8	8.8	8.8	9.5	10	23	60	32	13	9.2
22	8.8	8.8	8.5	8.5	8.5	9.2	11	20	59	32	12	9.2
23	10	8.5	8.8	8.8	8.8	9.2	11	17	70	30	11	9.2
24	9.2	8.5	8.8	8.8	9.2	9.2	11	18	85	30	11	9.2
25	9.2	8.5	8.8	8.8	9.2	9.5	12	25	87	28	11	9.2
26	9.2	8.2	8.8	8.8	9.2	9.2	10	26	77	26	11	8.8
27	9.5	8.5	8.8	8.8	9.2	8.8	9.5	34	85	24	11	8.8
28	9.5	8.8	8.8	8.5	9.2	8.8	9.2	29	91	24	11	8.8
29	9.5	8.5	8.8	8.8	---	8.8	9.2	27	95	22	11	8.8
30	9.2	8.5	8.8	8.8	---	8.8	9.2	28	97	21	11	8.8
31	9.5	---	8.8	8.8	---	8.5	---	34	---	20	10	---
TOTAL	286.5	260.4	271.4	272.6	247.8	284.0	278.7	625.9	2748	1659	415	284.6
MEAN	9.24	8.68	8.75	8.79	8.85	9.16	9.29	20.2	91.6	53.5	13.4	9.49
MAX	10	9.5	9.2	9.2	9.2	9.9	12	37	273	104	19	10
MIN	8.8	8.2	8.5	8.5	8.5	8.5	8.5	9.2	45	20	10	8.8
AC-FT	568	517	538	541	492	563	553	1240	5450	3290	823	565

CAL YR 1974 TOTAL 7102.6 MEAN 19.5 MAX 96 MIN 8.2 AC-FT 14090
WTR YR 1975 TOTAL 7633.9 MEAN 20.9 MAX 273 MIN 8.2 AC-FT 15140

PEAK DISCHARGE (BASE, 50 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-19	2400	5.40	65	6-15	1600	6.01	386
6-6	2200	5.64	125	7-1	1900	5.40	115

NOTE.--No gage-height record July 13 to Aug. 12.

SEVIER LAKE BASIN

10216200 Gunnison Reservoir near Sterling, Utah

LOCATION.--Lat 39°12'23", long 111°42'37", in SE¼NW¼NE¼ sec.32, T.18 S., R.2 E., Sanpete County, on right bank 250 ft (76 m) upstream from earthfill, rockfaced dam on San Pitch River, 1.2 miles (1.9 km) northwest of Sterling, 5.7 miles (9.2 km) southwest of Manti, and 6.8 miles (10.9 km) northeast of Gunnison.

DRAINAGE AREA.--672 mi² (1,740 km²).

PERIOD OF RECORD.--January 1965 to current year. No previous records collected at this site.

GAGE.--Inclined staff gage. Datum of gage at top of dead storage is 5,366.2 ft (1,635.61 m) above mean sea level. (Levels by U.S. Soil Conservation Service and U.S. Geological Survey).

EXTREMES.--Current year: Maximum observed contents, 18,580 acre-ft (22.9 hm³) Apr. 9, 12 (elevation, 5,389.9 ft or 1,642.84 m); minimum contents observed 4,350 acre-ft (5.36 hm³) Oct. 2.

Period of record: Maximum contents observed, 18,960 acre-ft (23.4 hm³) July 9-11, 1965 (elevation, 5,390.2 ft or 1,642.93 m); no contents during September 1966, Oct. 1-13, 1966, Aug. 20-29, 1972.

REMARKS.--The reservoir is formed by earthfill, rockfaced dam on the San Pitch River. Active capacity, 18,200 acre-ft (22.4 hm³) at elevation 5,389.6 ft (1,642.75 m). Dead storage 650 acre-ft (801,000 m³) below elevation 5,366.2 ft (1,635.61 m). Figures given herein represent active contents. Extensive diversions above and below reservoir for irrigation. The reservoir is owned and operated by the Gunnison Irrigation Company.

REVISIONS.--WSP 2127: Drainage area.

Capacity table (elevation, in feet, and usable contents, in acre-feet)
(Based on field survey by Soil Conservation Service in 1965)

5,374	3,350	5,384	11,640
5,376	4,610	5,386	13,840
5,378	6,080	5,388	16,200
5,380	7,750	5,390	18,710
5,382	9,610		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	18460	16700	---	---	14890	11120
2	4350	---	5470	---	---	12610	---	---	14420	18330	---	---
3	---	---	---	---	8570	12720	18460	---	---	---	14650	10810
4	---	---	---	---	---	---	---	16200	14770	---	---	---
5	---	---	---	---	---	13170	18330	---	15000	18070	14540	10500
6	---	---	---	7150	---	---	---	---	---	---	---	---
7	4420	4750	---	---	---	---	18460	---	---	17950	14540	---
8	---	---	---	---	---	---	18460	15600	---	---	---	10000
9	---	---	6160	---	---	---	18580	---	15960	17950	---	9900
10	---	---	---	---	---	14650	---	15120	16320	---	---	---
11	---	---	---	---	9130	15120	---	---	16700	17690	13840	---
12	---	---	---	---	9320	15720	18580	14890	17190	---	---	9420
13	---	---	---	---	---	16080	---	14650	---	---	---	9320
14	---	---	---	---	---	16700	18460	14540	18200	17440	13500	---
15	---	---	---	---	---	---	---	14420	18460	---	---	9040
16	---	---	6480	---	---	17440	18330	14310	---	17310	12720	---
17	---	---	---	---	---	17820	18200	14190	18330	---	---	---
18	---	---	---	---	---	---	18070	---	18330	16940	---	8750
19	---	---	---	---	---	18330	---	13840	18330	16820	---	---
20	---	---	---	7410	---	18330	---	---	18330	---	---	---
21	---	---	---	---	---	---	17820	---	18330	16570	12500	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	18460	16200	---	---
24	---	---	---	---	---	---	17440	---	---	---	---	---
25	---	---	---	---	---	18330	---	13620	18460	---	---	---
26	---	---	---	---	---	18460	17190	---	18330	15960	11960	---
27	---	5400	---	---	12070	---	---	---	18330	---	---	---
28	---	---	6980	---	12200	---	---	13730	---	15360	---	---
29	---	---	---	---	---	18460	---	13840	---	---	---	---
30	---	5440	---	---	---	---	16820	14070	18330	15000	11430	6740
31	4680	---	7040	8320	---	18460	---	14190	---	14890	11280	---
[+]	-----	-----	-----	-----	-----	-----	5386.5	5386.3	-----	5386.9	-----	-----
[#]	+430	+760	+1600	+1280	+3880	+6260	-1640	-2630	+4140	-3440	-3610	-4540

CAL YR 1974..... # -6,240

WTR YR 1975..... # +2,490

+ Elevation, in feet, at end of month.

Change in contents, in acre-feet.

■ No gage-height record; contents interpolated.

SEVIER LAKE BASIN

275

10216210 San Pitch River near Sterling, Utah

LOCATION.--Lat 39°12'20", long 111°42'37", in SE¼NW¼NE¼ sec.32, T.18 S., R.2 E., Sanpete County, on right bank 100 ft (30 m) downstream from outlet gate of Gunnison Reservoir, 400 ft (122 m) upstream from diversion dam and head of Gunnison Canal, 1,000 ft (305 m) upstream from Six Mile Creek, 1.2 miles (1.9 km) northwest of Sterling, 5.7 miles (9.2 km) southwest of Manti, 6.8 miles (10.9 km) north-east of Gunnison, and 9.6 miles (15.4 km) upstream from mouth.

DRAINAGE AREA.--672 mi² (1,740 km²).

PERIOD OF RECORD.--November 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,360 ft (1,634 m) from topographic map.

AVERAGE DISCHARGE.--11 years, 48.4 ft³/s (1.37 m³/s), 35,070 acre-ft/yr (43.2 hm³/yr).

EXTREMES.--Current year: Maximum daily discharge, 408 ft³/s (11.6 m³/s) June 23-25; minimum, no flow Feb. 1 to Mar. 17.

Period of record: Maximum daily discharge, 512 ft³/s (14.5 m³/s) Mar. 12, 1974; no flow at times most years when reservoir gates were closed.

REMARKS.--Records good except those for periods when water was flowing over spillway June 15 to July 5 and no gage-height record, which are fair. Flow regulated by Gunnison Reservoir, capacity 18,200 acre-ft (22.4 hm³).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.10	.09	.05	.03		0	100	104	4.4	373	38	64
2	.10	.09	.05	.03		0	102	104	4.4	373	40	66
3	.09	.09	.05	.03		0	104	104	4.4	355	41	64
4	.09	.09	.05	.02		0	104	104	4.6	356	44	66
5	.08	.09	.05	.02		0	92	104	4.6	160	45	66
6	.08	.08	.05	.02		0	52	104	4.6	105	47	67
7	.08	.08	.05	.02		0	40	102	4.6	100	49	66
8	.08	.08	.05	.02		0	55	102	4.6	97	55	66
9	.08	.08	.05	.02		0	68	100	4.9	97	58	66
10	.08	.08	.05	.02		0	98	100	5.2	97	58	66
11	.08	.08	.05	.02		0	100	100	5.2	97	60	66
12	.08	.07	.05	.02		0	102	98	5.2	95	63	66
13	.08	.06	.05	.02		0	100	92	5.2	95	63	67
14	.08	.06	.05	.02		0	100	70	42	93	63	68
15	.08	.06	.05	.02		0	98	61	203	93	64	70
16	.07	.06	.04	.02		0	100	68	366	95	64	70
17	.07	.06	.04	.02		0	104	68	371	97	64	70
18	.07	.06	.04	.02		.08	105	46	371	100	63	70
19	.08	.06	.04	.02	39		105	45	371	107	64	70
20	.08	.06	.04	.01	90		104	28	371	109	64	70
21	.08	.06	.04	.01	92		104	50	371	109	64	68
22	.09	.06	.04	.01	92		104	73	371	109	63	68
23	.09	.06	.04	.01	92		104	77	408	109	61	68
24	.09	.06	.04	.01	92		104	77	408	109	61	68
25	.09	.06	.03	.01	95		104	71	408	109	61	68
26	.09	.06	.03	.01		98	104	50	371	109	61	68
27	.09	.05	.03	.01		100	102	36	371	109	61	68
28	.09	.05	.03	.01		100	102	26	371	107	61	68
29	.09	.05	.03	.01	---	100	102	14	371	107	61	68
30	.09	.05	.03	.01	---	100	102	16	373	71	61	68
31	.09	---	.03	.01	---	100	---	7.6	---	39	64	---
TOTAL	2.61	2.04	1.32	.53	0	1190.08	2865	2201.6	5979.9	4181	1786	2024
MEAN	.084	.068	.043	.017	0	38.4	95.5	71.0	199	135	57.6	67.5
MAX	.10	.09	.05	.03	0	100	105	104	408	373	64	70
MIN	.07	.05	.03	.01	0	0	40	7.6	4.4	39	38	64
AC-FT	5.2	4.0	2.6	1.1	0	2360	5680	4370	11860	8290	3540	4010
CAL YR 1974 TOTAL	19446.18			MEAN 53.3	MAX 512	MIN .03	AC-FT 38570					
WTR YR 1975 TOTAL	20234.08			MEAN 55.4	MAX 408	MIN 0	AC-FT 40130					

NOTE.--No gage-height record Dec. 11 to Mar. 17.

SEVIER LAKE BASIN

10216400 Twelvemile Creek near Mayfield, Utah

LOCATION.--Lat 39°06'02", long 111°38'44", in SW¼SW¼NW¼ sec.1, T.20 S., R.2 E., Sanpete County, on right bank 0.1 mile (0.2 km) east of Manti-LaSal Forest boundary, 0.5 mile (0.8 km) downstream from Clear Creek, and 3.5 miles (5.6 km) east of Mayfield.

DRAINAGE AREA.--60 mi² (155 km²), approximately.

PERIOD OF RECORD.--October 1959 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,000 ft (1,829 m) from topographic map.

AVERAGE DISCHARGE.--16 years, 30.9 ft³/s (0.875 m³/s), 22,390 acre-ft/yr (27.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 230 ft³/s (6.51 m³/s) July 11 (gage height, 2.44 ft or 0.744 m); minimum, 5.4 ft³/s (0.15 m³/s) Mar. 26, 27.

Period of record: Maximum discharge, 1,350 ft³/s (38.2 m³/s) Aug. 10, 1965 (gage height, 4.05 ft or 1.234 m); minimum recorded, 3.0 ft³/s (0.085 m³/s) Feb. 24, 1961.

REMARKS.--Records fair, except those for winter periods, which are poor. No diversion above station. Flow regulated by several small reservoirs at headwaters; combined capacity, about 930 acre-ft (1.15 hm).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	21	13	13	9.2	11	8.8	13	149	60	37	21
2	17	21	13	13	9.3	11	9.5	16	161	58	36	20
3	19	20	13	13	9.0	9.9	10	23	146	59	35	20
4	21	21	14	13	9.0	9.0	11	27	150	59	34	20
5	19	18	15	12	9.0	8.7	13	18	155	59	33	20
6	19	20	15	12	9.0	8.9	12	16	160	60	33	20
7	19	21	14	12	9.0	9.0	9.6	14	167	60	31	20
8	19	20	13	12	9.0	9.4	12	15	187	62	31	19
9	19	21	12	11	9.0	9.2	9.6	21	158	65	31	20
10	19	19	12	11	9.0	8.7	8.7	26	127	63	31	20
11	19	20	12	12	9.1	8.9	8.5	41	107	83	31	19
12	19	19	12	13	9.0	8.3	8.6	58	103	78	30	20
13	19	19	13	13	8.9	8.2	9.4	64	107	70	29	20
14	19	19	12	13	9.1	8.1	9.6	74	114	64	29	19
15	18	18	13	12	8.8	8.2	9.4	86	119	68	28	19
16	18	18	14	11	8.6	8.2	10	83	119	78	28	19
17	18	18	14	11	8.7	9.0	10	112	119	65	27	19
18	18	18	13	11	9.0	8.7	9.9	110	119	58	26	19
19	19	18	14	10	10	9.9	9.4	140	107	54	26	19
20	18	19	13	10	8.8	10	11	133	95	51	26	18
21	19	18	13	10	8.7	9.8	16	69	91	48	28	18
22	20	18	12	8.9	8.5	9.0	18	57	86	47	26	18
23	21	18	11	9.0	9.0	10	17	54	83	46	25	18
24	20	16	10	9.5	10	10	21	67	80	44	23	18
25	20	14	10	10	11	9.7	22	100	74	42	23	18
26	20	15	10	10	9.6	7.9	17	110	70	42	22	17
27	20	15	11	9.5	9.0	7.8	13	122	65	41	23	17
28	20	15	12	9.6	9.5	7.6	12	104	63	40	22	17
29	21	14	13	9.2	---	7.4	12	91	61	40	22	17
30	20	13	14	9.0	---	8.2	12	110	61	39	21	17
31	21	---	14	9.0	---	8.9	---	133	---	38	21	---
TOTAL	595	544	394	341.7	255.8	278.6	360.0	2107	3403	1741	868	566
MEAN	19.2	18.1	12.7	11.0	9.14	8.99	12.0	68.0	113	56.2	28.0	18.9
MAX	21	21	15	13	11	11	22	140	187	83	37	21
MIN	17	13	10	8.9	8.5	7.4	8.5	13	61	38	21	17
AC-FT	1180	1080	781	678	507	553	714	4180	6750	3450	1720	1120

CAL YR 1974 TOTAL 10780.1 MEAN 29.5 MAX 200 MIN 7.8 AC-FT 21380
WTR YR 1975 TOTAL 11454.1 MEAN 31.4 MAX 187 MIN 7.4 AC-FT 22720

PEAK DISCHARGE (BASE, 250 CFS).--No peaks above base.

10217000 Sevier River below San Pitch River, near Gunnison, Utah

LOCATION.—Lat 39°09'19", long 111°52'37" in NE¼NE¼SE¼ sec.14, T.19 S., R.1 W., Sanpete County, on left bank 1,000 ft (305 m) downstream from San Pitch River and 3.2 miles (5.1 km) west of Gunnison.

DRAINAGE AREA.—4,880 mi² (12,640 km²), approximately.

PERIOD OF RECORD.—March 1912 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.—Water-stage recorder. Altitude of gage is 5,025 ft (1,532 m) from topographic map. Prior to Oct. 28, 1938, at same site at datum 0.36 ft (0.110 m) higher.

AVERAGE DISCHARGE.—63 years, 224 ft³/s (6.344 m³/s), 162,300 acre-ft/yr (200 hm³/yr).

EXTREMES.—Current year: Maximum discharge, 728 ft³/s (20.6 m³/s) June 2 (gage height, 4.50 ft or 1.372 m); minimum, 53 ft³/s (1.60 m³/s) July 23.

Period of record: Maximum discharge, 2,620 ft³/s (742 m³/s) June 1, 1922 (gage height, 5.68 ft or 1.731 m); minimum daily, 8 ft³/s (0.23 m³/s) July 13-17, Sept. 6, 1934.

REMARKS.—Records good. Flow regulated by reservoirs and many diversions for irrigation above station. Most of flow diverted above station during irrigation season.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	180	209	198	226	258	298	153	538	266	107	81
2	148	180	211	198	225	278	296	164	667	229	109	83
3	149	180	221	200	228	266	328	167	650	213	104	81
4	147	192	245	208	226	264	304	182	601	193	98	78
5	146	198	253	210	224	264	248	217	539	168	102	83
6	147	194	255	210	222	264	154	208	510	144	97	93
7	142	189	241	210	227	248	124	196	559	124	93	104
8	139	189	231	210	235	242	120	181	677	109	97	104
9	156	191	218	210	244	240	100	163	665	110	96	110
10	137	198	209	205	254	242	88	137	541	115	98	110
11	145	196	197	200	248	256	81	144	487	131	110	111
12	157	191	199	200	248	260	79	166	462	177	119	111
13	155	192	213	208	250	217	79	156	417	191	125	108
14	155	209	216	202	262	187	83	139	415	177	84	119
15	132	200	215	198	266	187	88	179	547	180	69	109
16	116	200	224	202	258	178	112	237	662	175	70	106
17	182	202	231	205	250	171	133	251	692	155	66	129
18	237	200	223	206	244	172	133	271	691	146	63	138
19	241	205	220	206	235	176	138	267	687	128	61	188
20	194	218	222	206	248	242	128	386	628	121	60	238
21	168	202	220	211	244	248	120	436	628	100	63	223
22	166	202	218	207	237	256	116	304	611	109	76	203
23	172	204	208	202	231	252	108	302	604	120	86	195
24	174	198	198	209	235	272	101	350	567	92	89	207
25	180	198	198	217	240	276	103	399	501	79	91	197
26	174	196	200	228	233	270	166	487	449	104	91	193
27	174	199	210	243	240	270	183	465	408	97	81	182
28	176	204	200	236	244	282	146	521	376	66	76	178
29	178	206	198	222	---	307	150	405	340	63	71	177
30	178	206	198	218	---	326	154	352	275	71	70	179
31	180	---	198	226	---	298	---	411	---	88	75	---
TOTAL	5086	5919	6699	6511	6724	7669	4461	8396	16394	4241	2697	4218
MEAN	164	197	216	210	240	247	149	271	546	137	87.0	141
MAX	241	218	255	243	266	326	328	521	692	266	125	238
MIN	116	180	197	198	222	171	79	137	275	63	60	78
AC-FT	10090	11740	13290	12910	13340	15210	8850	16650	32520	8410	5350	8370

CAL YR 1974 TOTAL 101559 MEAN 278 MAX 1070 MIN 40 AC-FT 201400
WTR YR 1975 TOTAL 79015 MEAN 216 MAX 692 MIN 60 AC-FT 156700

SEVIER LAKE BASIN

10218500 Sevier Bridge Reservoir near Juab, Utah

LOCATION.--Lat 39°22'20", long 112°01'57", in NW¼NW¼NW¼ sec.1, T.17 S., R.2 W., Juab County, at Sevier Bridge Dam on Sevier River, 11.6 miles (18.7 km) southwest of Juab.

DRAINAGE AREA.--5,120 mi² (13,260 km²), approximately.

PERIOD OF RECORD.--January 1914 to current year.

GAGE.--Staff gage below gage height 60 ft (18 m) and wire-weight gage above, at left end of dam, read once daily. Datum of gage is 4,937.51 ft (1,504.953 m) above mean sea level (levels by Coast and Geodetic Survey).

EXTREMES.--Current year: Maximum contents observed, 187,500 acre-ft (231 hm³) May 2 (gage height, 75.1 ft or 22.89 m); minimum contents observed, 96,170 acre-ft (119 hm³) Sept. 15, 20 (gage height, 60.9 ft or 18.56 m).

Period of record: Maximum contents, 251,000 acre-ft (310 hm³) Apr. 19, 20, 1922 (gage height, 80.0 ft or 24.38 m), from former capacity table; no storage at times in 1927-28, 1930-36, 1951, 1960-61.

REMARKS.--Reservoir was formed by a 30-ft (9 m) earthfill dam. Storage began about 1904. Dam ultimately raised to 90 ft (27 m) by June 1916. Capacity, 236,000 acre-ft (291 hm³) between gage heights 6.0 ft (1.83 m) (approximate bottom of outlet tunnel) and 80.0 ft (24.38 m) (top of flashboard on spillway). No dead storage. Water is used for irrigation. Revised capacity table, based on Soil Conservation Service survey in 1961, used since Oct. 1, 1962.

(Capacity table - elevation in feet and contents in acre-feet)
(Based on field survey by Soil Conservation Service in 1961)

60	92,770	72	161,300
62	100,600	75	186,500
65	114,900	78	215,100
68	132,600		
70	146,200		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101100	111300	123900	137200	150700	165400	180400	186500	173600	169400	130700	104600
2	101500	111900	124500	137900	151400	166200	181300	187500	173600	167000	129400	103700
3	102000	112400	125100	138500	152100	166200	182200	183900	172700	166200	128800	103300
4	102400	112900	125700	138500	152100	166200	183000	182200	171900	165400	128200	102800
5	102400	113400	125700	139200	152900	167000	183900	181300	171100	164600	126900	101500
6	102800	113400	126300	139200	152900	167800	183900	179500	170200	162900	126300	101100
7	102800	113900	126900	139900	153600	168600	183900	177800	168600	162100	125100	100200
8	103300	114400	127600	140600	154400	169400	183900	176900	170200	160600	123900	99830
9	103700	114900	128200	140600	155100	170200	184800	176900	170200	158200	122800	99420
10	104200	115500	128200	141300	155900	171100	184800	176100	170200	156700	121600	98600
11	104200	116000	128800	142000	156700	171900	184800	175300	170200	154400	120400	98190
12	104600	116000	129400	142000	157500	171900	184800	174400	169400	152900	119900	97370
13	104600	116600	130100	142700	158200	171900	184800	172700	168600	151400	119300	96960
14	105000	117100	130100	142700	159000	172700	184800	171100	168600	150700	118800	96550
15	104600	117700	130700	143400	159000	172700	184800	170200	168600	149900	117700	96170
16	105500	117700	131300	143400	159800	172700	184800	169400	168600	148400	117100	96550
17	106000	118200	131300	144100	160600	173600	184800	168600	167800	147000	116000	96550
18	106500	118800	131900	144100	160600	173600	184800	167000	167800	145500	114400	96550
19	107000	118800	132600	144800	161300	174400	184800	166200	168600	144800	112400	96550
20	107000	119300	132600	144800	162100	174400	185700	165400	168600	144100	110800	96170
21	107400	119900	133200	145500	162900	174400	185700	167000	169400	143400	109800	96550
22	107400	120400	133200	146200	163700	174400	185700	167800	171100	141300	109300	96960
23	107900	121000	133900	147000	163700	175300	186500	166600	171900	139900	108900	97370
24	108400	121600	133900	147700	163700	176100	186500	169400	171900	138500	108900	97780
25	108900	121600	134600	147700	164600	176900	186500	170200	171900	137200	108900	98190
26	109300	122200	135200	148400	164600	176900	186500	171100	171900	135900	108400	98600
27	109800	122200	135900	148400	164600	176900	186500	171100	171900	135200	107400	99010
28	110300	122800	136500	149200	165400	177800	186500	171100	171900	134600	106500	99010
29	110300	123400	136500	149200	---	178700	186500	171900	171100	133900	106500	99420
30	110800	123400	137200	149900	---	177800	186500	173600	170200	133200	106000	99830
31	110800	---	137200	149900	---	178700	---	175300	---	131300	105500	---
MAX	110800	123400	137200	149900	165400	178700	186500	187500	173600	169400	130700	104600
MIN	101100	111300	123900	137200	150700	165400	180400	165400	167800	131300	105500	96170
(†)	64.2	66.5	68.7	70.5	72.5	74.1	75.0	73.7	73.1	67.8	63.1	61.8
(‡)	+10,200	+12,600	+13,800	+12,700	+15,500	+13,300	+7,800	-11,200	-5,100	-38,900	-25,800	-5,670

CAL YR 1974. ‡ -37,200
WTR YR 1975. ‡ -770

† Gage height, in feet, at end of month.
‡ Change in contents, in acre-feet.

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LOCATION.--Lat 39°22'29", long 112°02'20", in SE¹/₄SW¹/₄ sec.35, T.16 S., R.2 W., Juab County, on right bank 0.5 mile (0.8 km) downstream from Sevier Bridge Dam and 11.6 miles (18.7 km) southwest of Juab.

PERIOD OF RECORD.--September 1911 to current year.

GAGE.--Water-stage recorder and rubble masonry control since Apr. 16, 1914. Altitude of gage is 4,940 ft (1,506 m) by barometer. Prior to Apr. 16, 1914, staff gage 500 ft (152 m) upstream at different datum. Apr. 16, 1914 to Apr. 7, 1938, water-stage recorder at present site and datum. Apr. 8, 1938 to Mar. 31, 1942, water-stage recorder at site 1,300 ft (396 m) upstream at different datum. Apr. 1, 1942 to July 15, 1961, water-stage recorder on left bank same site and datum.

EXTREMES.--Current year: Maximum discharge, 1,130 ft³/s (32.0 m³/s) July 8-12 (gage height, 4.33 ft or 1.320 m); minimum, 1.8 ft³/s (0.051 m³/s) several days in Oct. and Nov.
Period of record: Maximum discharge, 2,140 ft³/s (60.6 m³/s) June 2, 1922 (gage height, 8.50 ft or 2.591 m); practically no flow at times when reservoir gates were closed.

REMARKS.--Records good. No diversion between station near Gunnison and this station. Flow regulated by Sevier Bridge Reservoir (see station 10218500).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	2.2	4.4	6.2	7.7	8.5	6.9	347	478	779	538	478
2	3.9	2.2	4.4	6.2	7.7	8.5	6.9	513	680	779	538	541
3	3.9	2.2	4.4	6.2	7.7	8.5	6.9	772	794	779	538	434
4	3.9	2.2	4.9	6.2	7.7	8.5	6.9	776	798	779	538	373
5	3.4	2.2	4.9	6.2	7.7	8.5	6.9	779	798	779	541	448
6	3.4	2.2	4.9	6.2	7.7	9.4	6.9	779	843	779	541	555
7	3.4	2.2	4.9	6.2	7.7	9.4	7.7	569	874	779	545	590
8	3.4	2.2	4.9	6.2	7.7	9.4	7.7	424	698	997	637	517
9	3.4	2.2	4.9	6.2	7.7	8.5	6.9	420	594	1130	687	471
10	3.4	2.2	4.9	6.2	7.7	8.5	6.9	559	594	1130	691	471
11	3.0	2.2	5.5	6.2	7.7	9.4	6.2	705	594	1130	552	471
12	3.0	2.2	5.5	6.9	7.7	9.4	6.2	705	594	874	471	471
13	3.0	2.2	5.5	6.9	7.7	8.5	6.9	709	594	724	475	337
14	3.0	2.2	5.5	6.9	7.7	8.5	6.9	713	594	724	475	248
15	3.0	2.6	4.9	6.9	7.7	7.7	6.9	709	594	724	478	217
16	3.0	2.6	5.5	6.9	7.7	7.7	6.9	709	594	724	615	200
17	2.6	3.0	5.5	6.9	8.5	7.7	4.9	709	597	724	687	203
18	2.6	3.0	5.5	6.9	7.7	7.7	4.9	709	594	724	687	206
19	2.6	3.0	5.5	6.9	7.7	6.9	4.9	709	437	724	687	206
20	2.6	3.4	5.5	6.9	8.5	7.7	4.4	410	328	724	687	83
21	2.6	3.4	5.5	6.9	7.7	7.7	5.5	8.5	328	720	489	6.9
22	2.6	3.9	5.5	6.9	7.7	7.7	6.9	7.7	328	724	373	6.2
23	2.6	3.4	5.5	6.9	7.7	7.7	6.2	7.7	328	720	373	5.5
24	2.6	3.9	6.2	6.9	8.5	7.7	6.2	7.7	328	608	376	5.5
25	2.6	3.9	6.2	6.9	8.5	7.7	5.5	7.7	331	541	376	4.9
26	2.2	4.4	6.2	6.9	8.5	7.7	5.5	13	328	541	376	4.9
27	2.2	4.4	6.2	7.7	8.5	7.7	6.2	67	328	541	376	4.9
28	2.2	4.4	6.2	7.7	8.5	7.7	170	81	612	538	376	4.4
29	2.2	4.4	6.2	7.7	---	6.2	350	81	776	538	376	4.4
30	1.8	4.4	6.2	7.7	---	6.2	347	81	779	538	376	3.9
31	1.8	---	6.2	7.7	---	6.2	---	331	---	538	376	---
TOTAL	89.8	88.9	168.0	210.2	221.2	249.1	1038.7	13418.3	17137	23053	15851	7571.5
MEAN	2.90	2.96	5.42	6.78	7.90	8.04	34.6	433	571	744	511	252
MAX	3.9	4.4	6.2	7.7	8.5	9.4	350	779	874	1130	691	590
MIN	1.8	2.2	4.4	6.2	7.7	6.2	4.4	7.7	328	538	373	3.9
AC-FT	178	176	333	417	439	494	2060	26620	33990	45730	31440	15020
CAL YR 1974	TOTAL	114712.0	MEAN	314	MAX	1180	MIN	1.8	AC-FT	227500		
WTR YR 1975	TOTAL	79096.7	MEAN									

SEVIER LAKE BASIN

10219200 Chicken Creek near Levan, Utah

LOCATION.--Lat 39°33'03", long 111°49'42", in NW 1/4 sec. 33, T.14 S., R.1 E., Juab County, on right bank 120 ft (37 m) downstream from county road bridge, 250 ft (76 m) upstream from diversion structure, 0.4 mile (0.6 km) upstream from mouth of canyon, and 1.9 miles (3.1 km) east of Levan.

DRAINAGE AREA.--27.9 mi² (72.3 km²).

PERIOD OF RECORD.--October 1962 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,500 ft (1,676 m) from topographic map.

AVERAGE DISCHARGE.--13 years, 6.46 ft³/s (0.183 m³/s), 4,680 acre-ft/yr (5.77 km³/yr).

EXTREMES.--Current year: Maximum discharge, 65 ft³/s (1.84 m³/s) May 19 (gage height, 2.88 ft or 0.878 m); minimum, 0.83 ft³/s (0.024 m³/s) Dec. 10.

Period of record: Maximum discharge, 268 ft³/s (7.59 m³/s) Aug. 1, 1968 (gage height, 7.55 ft or 2.301 m), from rating curve extended above 58 ft³/s (1.64 m³/s) on basis of logarithmic plotting; no flow Feb. 11, 14, 1966.

REMARKS.--Records good. No diversion above station.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.5	1.3	1.6	1.5	1.7	2.0	5.1	31	11	4.4	3.8
2	2.5	2.5	1.4	1.6	1.6	1.8	2.2	5.3	29	11	4.4	4.2
3	2.4	2.3	1.3	1.6	1.5	1.7	2.0	11	28	11	4.0	4.2
4	3.0	2.3	1.3	1.6	1.5	1.7	2.0	13	28	10	3.2	4.2
5	2.4	2.3	1.3	1.6	1.5	1.7	2.2	9.6	28	9.9	3.5	4.2
6	2.4	2.2	1.7	1.6	1.5	1.7	2.3	7.7	26	9.6	4.4	4.0
7	2.4	2.2	1.3	1.5	1.5	1.6	2.3	7.0	25	9.4	4.6	4.0
8	2.4	2.0	1.2	1.5	1.5	1.6	2.2	7.9	24	8.6	4.6	4.0
9	3.0	2.2	1.7	1.5	1.5	1.7	2.2	11	23	8.9	4.6	3.8
10	3.1	1.4	1.0	1.5	1.7	1.8	2.2	14	23	9.1	4.6	3.8
11	3.0	1.4	1.0	1.5	1.5	2.0	2.2	20	22	9.1	4.4	4.4
12	3.0	1.4	1.0	1.5	1.6	2.0	2.2	22	21	8.9	4.8	4.2
13	2.9	1.4	1.2	1.5	1.6	1.9	2.3	24	20	8.6	5.0	4.2
14	2.9	1.9	1.5	1.5	1.7	1.9	2.3	34	19	8.4	4.8	4.0
15	2.4	1.4	1.7	1.5	1.6	1.8	2.3	33	18	8.1	4.6	3.8
16	2.4	1.4	1.7	1.5	1.6	1.9	2.0	29	17	8.9	4.6	3.7
17	2.5	1.4	1.6	1.5	1.6	1.9	2.3	28	16	7.9	4.6	3.7
18	2.5	1.4	1.6	1.5	1.6	1.9	2.3	30	18	7.4	4.4	3.7
19	2.3	1.4	1.7	1.5	1.6	1.9	2.6	36	18	7.0	4.4	3.5
20	2.2	1.8	1.7	1.5	1.6	2.0	2.6	45	17	6.8	4.6	3.5
21	2.3	1.8	1.8	1.5	1.6	2.2	3.3	40	16	6.3	4.8	3.7
22	2.3	2.0	1.8	1.5	1.6	2.3	6.1	37	15	6.1	4.8	3.5
23	2.5	1.9	1.2	1.5	1.3	2.2	5.4	35	15	5.9	4.2	3.3
24	2.5	1.3	1.7	1.6	1.3	2.2	11	36	14	5.4	4.2	3.2
25	2.5	1.3	1.7	1.6	1.4	2.3	11	35	14	5.9	4.2	3.2
26	2.2	1.8	1.7	1.6	1.5	2.5	5.4	33	13	5.5	4.0	3.0
27	2.3	1.6	1.6	1.6	1.5	2.2	6.8	37	13	5.0	4.0	3.0
28	2.2	1.7	1.6	1.5	1.6	2.2	5.4	34	12	5.0	4.0	3.0
29	2.3	1.6	1.6	1.5	---	2.2	5.3	32	12	5.0	4.0	3.0
30	2.5	---	1.6	1.5	---	2.0	5.0	30	12	5.0	4.0	3.2
31	2.6	---	1.6	1.5	---	2.2	---	27	---	4.6	3.8	---
TOTAL	62.3	54.3	45.07	47.6	43.2	60.7	115.4	773.6	587	239.8	134.5	111.0
MEAN	2.05	1.95	1.51	1.54	1.54	1.96	3.75	25.0	19.6	7.74	4.34	3.70
MAX	3.1	2.8	1.8	1.6	1.7	2.5	11	46	31	11	5.0	4.4
MIN	2.2	1.4	1.0	1.5	1.3	1.6	2.0	5.1	12	4.6	3.2	3.0
AC-FT	153	118	93	44	86	120	235	1530	1160	476	267	220

CAL YR 1974 TOTAL 2957.51 MEAN 4.10 MAX 52 MIN .90 AC-FT 5870

YR YR 1975 TOTAL 2304.27 MEAN 5.31 MAX 46 MIN .90 AC-FT 4570

PEAK DISCHARGE (BASE, 50 CFS).--May 19 (2400) 65 cfs (2.88 ft.).

SEVIER LAKE BASIN

281

10224000 Sevier River near Lynndyl, Utah

LOCATION.--Lat 39°28'55", long 112°23'35", in SE¼SW¼SE¼ sec.27, T.15 S., R.5 W., Millard County, on right bank 1.6 miles (2.6 km) downstream from highway bridge and 2.8 miles (4.5 km) southwest of Lynndyl.

DRAINAGE AREA.--6,270 mi² (16,240 km²), approximately.

PERIOD OF RECORD.--April 1914 to October 1919, October 1942 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 4,660 ft (1,420 m) by barometer.

AVERAGE DISCHARGE.--38 years, 187 ft³/s (5.296 m³/s), 135,500 acre-ft/yr (167 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 949 ft³/s (26.9 m³/s) July 13 (gage height, 6.88 ft or 2.097 m); minimum, 8.8 ft³/s (0.25 m³/s) Mar. 28.

Period of record: Maximum discharge, 2,980 ft³/s (84.4 m³/s) Feb. 10, 1962 (gage height, 11.73 ft or 3.575 m); minimum observed, 3.9 ft³/s (0.11 m³/s) Jan. 22, 1963 (discharge measurement).

REMARKS.--Records good. Records herein include 780 acre-ft (0.962 hm³) pumped into the river 1 mile (2 km) above station. Flow regulated by Sevier Bridge Reservoir about 35 miles (56 km) upstream (see station 10218500). Several diversions for irrigation between reservoir and station. Records of chemical analysis and water temperatures for the water year 1975 will be published in another section of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	63	53	52	62	13	11	373	50	560	518	210
2	42	59	54	52	62	12	10	376	334	531	420	231
3	43	59	56	52	62	12	10	439	426	516	370	285
4	45	59	56	52	62	12	10	725	631	507	376	268
5	47	56	56	52	62	12	9.8	775	688	505	392	178
6	47	55	55	52	62	12	10	771	691	504	400	183
7	45	54	55	52	62	12	10	773	616	501	392	266
8	49	54	55	52	70	12	9.8	661	655	494	388	333
9	56	56	46	52	77	11	9.6	459	580	534	421	324
10	56	56	50	52	74	12	9.5	441	430	739	496	274
11	54	56	50	52	79	12	9.4	501	422	842	499	269
12	52	55	50	52	71	11	9.9	679	425	871	450	269
13	51	54	50	52	72	11	11	681	420	874	294	277
14	51	53	50	52	68	11	11	663	416	574	268	254
15	50	53	50	52	71	11	11	634	420	537	265	124
16	51	53	50	52	73	11	16	573	427	527	269	108
17	50	53	50	52	69	11	28	547	430	530	298	85
18	49	53	44	52	62	11	52	532	553	526	418	81
19	49	53	44	52	61	10	62	533	567	522	431	79
20	49	53	50	52	58	10	63	585	497	509	444	85
21	50	53	52	52	52	10	64	652	343	508	457	113
22	53	54	52	52	34	11	64	218	272	504	404	89
23	53	57	52	52	27	11	64	126	265	498	234	55
24	57	57	52	52	18	11	65	106	260	496	225	51
25	56	57	52	52	14	11	67	90	254	455	221	42
26	55	55	52	56	14	11	68	80	225	345	228	45
27	54	54	52	62	13	11	66	78	227	336	216	46
28	55	54	52	62	13	11	67	56	221	335	210	41
29	57	54	52	62	---	10	67	71	296	349	215	45
30	56	54	52	62	---	10	276	43	568	364	214	45
31	60	---	52	62	---	11	---	38	---	494	205	---
TOTAL	1583	1656	1596	1666	1524	347	1241.0	13279	12609	16387	10638	4755
MEAN	51.1	55.2	51.5	53.7	54.4	11.2	41.4	428	420	529	343	159
MAX	60	63	56	62	79	13	276	775	691	874	518	333
MIN	41	53	44	52	13	10	9.4	38	50	335	205	41
AC-FT	3140	3280	3170	3300	3020	688	2460	26340	25010	32500	21100	9430
CAL YR 1974 TOTAL	86996.0		MEAN 238	MAX 1010	MIN 13	AC-FT 172600						
WTR YR 1975 TOTAL	67281.0		MEAN 184	MAX 874	MIN 9.4	AC-FT 133500						

10224100 Oak Creek above Little Creek, near Oak City, Utah

LOCATION.--Lat 39°21'23", long 112°13'55", in NE¼NE¼NW¼ sec. 7, T.17 S., R.3 W., Millard County, Fish Lake National Forest, on right bank 0.3 mile (0.5 km) upstream from a 12-inch (0.30 m) pipeline diversion at Walker's Fork and 5.7 miles (9.2 km) east of Oak City.

DRAINAGE AREA.--5.58 mi² (14.45 km²).

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,480 ft (1,975 m) from topographic map.

AVERAGE DISCHARGE.--11 years, 2.70 ft³/s (0.0765 m³/s), 1,960 acre-ft/yr (2.42 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 59 ft³/s (1.67 m³/s) May 19 (gage height, 1.86 ft or 0.567 m); minimum daily discharge, 0.35 ft³/s (0.010 m³/s) several days in Oct.

Period of record: Maximum discharge, 120 ft³/s (3.40 m³/s) Apr. 29, 1973 (gage height, 2.21 ft or 0.674 m); minimum, 0.03 ft³/s (0.001 m³/s) Dec. 31, 1967, result of freezeup.

REMARKS.--Records good. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.35	.53	.59	.53	.53	.59	1.6	4.7	16	2.5	.91	.53
2	.35	.48	.59	.53	.53	.65	1.6	5.2	15	2.4	.97	.52
3	.42	.48	.59	.53	.53	.59	1.6	7.4	15	2.3	.93	.59
4	.42	.48	.59	.53	.53	.65	1.6	7.7	13	2.3	.90	.59
5	.35	.48	.53	.53	.53	.65	1.6	7.4	12	2.2	.86	.59
6	.35	.53	.53	.48	.53	.72	1.7	7.4	11	2.1	.81	.59
7	.35	.53	.53	.48	.53	.72	1.9	7.4	11	2.0	.80	.53
8	.35	.53	.48	.48	.53	.72	1.9	7.4	9.8	1.9	.77	.53
9	.52	.59	.48	.48	.53	.79	1.9	8.4	8.6	1.9	.75	.53
10	.38	.53	.48	.53	.53	.79	1.9	9.4	7.8	2.3	.73	.53
11	.38	.53	.48	.53	.53	.79	1.9	13	7.0	2.1	.71	.53
12	.42	.48	.48	.53	.48	.79	1.9	16	6.4	2.1	.71	.53
13	.38	.48	.48	.53	.43	.79	1.9	20	5.9	2.0	.69	.53
14	.42	.48	.48	.53	.48	.79	1.9	27	5.6	1.8	.67	.53
15	.40	.48	.48	.53	.48	.87	1.9	26	5.3	1.7	.66	.53
16	.38	.48	.48	.53	.48	1.1	2.2	23	5.1	1.6	.64	.53
17	.38	.48	.48	.53	.48	1.3	2.2	22	4.9	1.6	.63	.53
18	.38	.53	.48	.53	.48	1.2	2.5	19	4.8	1.5	.61	.53
19	.38	.53	.48	.53	.48	1.2	2.3	27	4.9	1.4	.69	.53
20	.38	.53	.48	.53	.48	1.2	2.5	36	4.5	1.4	.71	.53
21	.38	.53	.53	.53	.50	1.3	2.5	29	4.2	1.3	.71	.53
22	.43	.65	.53	.53	.53	1.3	2.9	26	4.0	1.3	.71	.48
23	.43	.59	.53	.53	.53	1.3	3.9	23	3.8	1.2	.62	.48
24	.43	.59	.53	.53	.53	1.3	4.7	23	3.5	1.2	.61	.48
25	.43	.59	.53	.53	.59	1.4	5.7	24	3.4	1.2	.61	.48
26	.43	.59	.53	.53	.55	1.8	5.4	22	3.2	1.2	.59	.48
27	.48	.59	.53	.53	.53	1.6	5.4	26	3.0	1.1	.58	.48
28	.48	.59	.53	.53	.59	1.6	5.2	23	2.9	1.1	.56	.48
29	.48	.59	.53	.53	---	1.6	4.7	20	2.7	1.1	.56	.48
30	.48	.59	.53	.53	---	1.6	4.7	18	2.6	1.1	.57	.48
31	.53	---	.53	.53	---	1.6	---	17	---	1.1	.55	---
TOTAL	12.72	16.06	16.02	16.23	14.45	33.30	83.6	552.4	206.9	52.0	21.82	15.68
MEAN	.41	.54	.52	.52	.52	1.07	2.79	17.8	6.90	1.68	.70	.52
MAX	.53	.65	.59	.53	.59	1.8	5.7	36	16	2.5	.97	.59
MIN	.35	.48	.48	.48	.43	.59	1.6	4.7	2.6	1.1	.55	.48
AC-FT	25	32	32	32	29	66	166	1100	410	103	43	31

CAL YR 1974 TOTAL 622.73 MEAN 1.71 MAX 9.1 MIN .30 AC-FT 1240
WTR YR 1975 TOTAL 1041.18 MEAN 2.85 MAX 36 MIN .35 AC-FT 2070

PEAK DISCHARGE (BASE, 10 CFS).--May 15 (1500) 36 cfs (1.69 ft); May 19 (1700) 59 cfs (1.86 ft.)

10233000 Meadow Creek near Meadow, Utah

LOCATION.--Lat 38°53'29", long 112°19'36", in SE¼SE¼SW¼ sec.17, T.22 S., R.4 W., Millard County, 0.6 mile (1.0 km) upstream from Fishlake National Forest boundary and 4.5 miles (7.2 km) east of Meadow.

DRAINAGE AREA.--11.6 mi² (30.0 km²).

PERIOD OF RECORD.--May to July 1914, August 1965 to September 1975 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 5,800 ft (1,768 m) from topographic map. Nonrecording gage May 7 to July 16, 1914, at site about 0.5 mile (0.8 km) upstream at different datum.

AVERAGE DISCHARGE.--10 years, 6.98 ft³/s (0.198 m³/s), 5,060 acre-ft/yr (6.24 hm³/yr).

EXTREMES.--Current year: Maximum recorded discharge, 62 ft³/s (1.76 m³/s) May 20 (gage height, 1.10 ft or 0.335 m); minimum daily, 1.7 ft³/s (0.048 m³/s) many days in Jan. and Feb.

Period of record: Maximum discharge, 198 ft³/s (5.61 m³/s) May 11, 1973 (gage height, 2.51 ft or 0.765 m); minimum, 0.33 ft³/s (0.009 m³/s) Dec. 20, 1967, result of freezeup.

REMARKS.--Records fair, except those for winter period and periods of no gage-height record, which are poor. No diversion or regulation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	2.7	2.1	1.8	1.7	2.2	2.2	6.0	41	10	6.6	3.5
2	2.0	2.7	2.0	1.8	1.7	2.2	2.3	6.6	45	10	6.4	3.4
3	2.7	2.7	2.0	1.9	1.9	2.2	2.4	9.2	44	9.8	5.6	3.3
4	3.1	2.7	2.0	1.9	1.9	2.2	3.0	14	41	9.7	5.5	3.2
5	2.9	2.7	2.0	2.0	1.9	2.2	3.7	13	40	9.6	7.0	3.2
6	2.9	2.7	2.0	2.0	1.9	2.2	4.6	11	40	9.6	6.5	3.1
7	2.8	2.7	2.0	2.0	1.9	2.2	4.7	9.8	41	9.5	6.0	3.0
8	2.8	2.7	2.0	2.0	1.9	2.2	6.1	9.3	36	9.6	5.7	3.0
9	3.5	2.7	2.0	1.9	1.9	2.2	3.9	9.8	32	11	5.4	3.0
10	3.1	2.7	2.0	1.8	1.9	2.2	3.6	14	29	13	5.0	2.9
11	3.2	2.6	2.0	1.7	1.9	2.2	3.1	25	24	11	4.9	2.9
12	3.1	2.5	2.0	1.7	1.9	2.2	2.9	37	24	10	4.8	2.8
13	3.1	2.4	2.0	1.7	1.9	2.2	2.8	39	24	19	4.7	2.8
14	3.1	2.3	2.0	1.7	1.9	2.2	2.9	38	24	13	4.6	3.5
15	3.1	2.2	2.0	1.7	1.9	2.2	3.1	45	24	11	4.5	2.9
16	3.1	2.2	2.0	1.7	1.9	2.2	3.4	45	23	9.5	4.5	2.7
17	3.1	2.2	2.0	1.7	1.9	2.2	3.3	40	21	9.0	4.4	2.6
18	3.1	2.2	2.0	1.7	1.8	2.2	3.4	43	21	8.5	4.3	2.6
19	3.1	2.2	2.0	1.7	1.7	2.2	2.9	49	19	7.5	4.2	2.5
20	3.1	2.2	2.0	1.7	1.7	2.2	2.9	55	17	7.0	4.2	2.5
21	3.1	2.2	1.9	1.7	1.7	2.2	3.4	36	16	6.5	4.2	2.4
22	3.1	2.2	1.8	1.7	1.7	2.2	5.3	28	15	6.2	7.5	2.4
23	3.1	2.2	1.8	1.7	1.7	2.2	7.3	24	15	6.2	5.0	2.3
24	3.1	2.2	1.8	1.7	1.9	2.2	9.1	23	14	6.2	4.5	2.3
25	3.1	2.2	1.8	1.7	2.1	2.2	11	28	13	6.2	4.3	2.3
26	3.1	2.2	1.8	1.7	2.2	2.2	11	32	13	6.2	4.2	2.3
27	3.1	2.2	1.8	1.7	2.2	2.2	9.2	39	12	6.0	4.0	2.2
28	3.0	2.2	1.8	1.7	2.2	2.2	8.2	38	12	6.0	3.9	2.2
29	2.9	2.2	1.8	1.7	---	2.2	7.1	34	11	6.0	3.8	2.2
30	2.7	2.2	1.8	1.7	---	2.2	6.3	31	11	6.0	3.7	2.1
31	2.7	---	1.8	1.7	---	2.2	---	34	---	6.0	3.6	---
TOTAL	92.1	72.0	60.0	54.8	52.8	68.2	145.1	865.7	742	274.8	153.5	82.1
MEAN	2.97	2.40	1.94	1.77	1.89	2.20	4.84	27.9	24.7	8.86	4.95	2.74
MAX	3.5	2.7	2.1	2.0	2.2	2.2	11	55	45	19	7.5	3.5
MIN	2.0	2.2	1.8	1.7	1.7	2.2	2.2	6.0	11	6.0	3.6	2.1
AC-FT	183	143	119	109	105	135	288	1720	1470	545	304	163

CAL YR 1974 TOTAL 3154.6 MEAN 8.64 MAX 72 MIN 1.4 AC-FT 6260
WTR YR 1975 TOTAL 2663.1 MEAN 7.30 MAX 55 MIN 1.7 AC-FT 5280

PEAK DISCHARGE (BASE, 12 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
4-8	0700	0.81	13	6-2	0200	0.92	47
5-20	0400	1.10	62	7-13	unknown	unknown	unknown

NOTE.--No gage-height record Dec. 11 to Mar. 2 and July 9 to Sept. 30.

10233500 Corn Creek near Kanosh, Utah

LOCATION.--Lat 38°46'27", long 112°23'56", in NE¼NW¼NE¼ sec.34, T.23 S., R.5 W., Millard County, 0.1 mile (0.2 km) upstream from boundary of Fishlake National Forest, 1.0 mile (1.6 km) upstream from flood-control reservoir and 2.7 miles (4.3 km) southeast of Kanosh.

DRAINAGE AREA.--87.0 mi² (225.3 km²).

PERIOD OF RECORD.--May to July 1914, August 1965 to Sept. 30, 1975 (discontinued). Annual maximum only July 1959 to July 1965 at crest-stage site.

GAGE.--Water-stage recorder. Altitude of gage is 5,300 ft (1,615 m) from topographic map. May to July 1914, nonrecording gage at site 2 miles (3 km) above Kanosh at different datum; July 1959 to July 1965, crest-stage gage at site 50 ft (15 m) downstream at 10.26 ft (3.127 m) lower datum.

AVERAGE DISCHARGE.--10 years, 17.2 ft³/s (0.487 m³/s), 12,460 acre-ft/yr (15.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 322 ft³/s (9.12 m³/s) July 13 (gage height, 2.79 ft or 0.850 m); minimum, 6.8 ft³/s (0.19 m³/s) Feb. 21.

Period of record: Maximum discharge, 654 ft³/s (18.5 m³/s) Apr. 29, 1973 (gage height, 4.02 ft or 1.225 m), from rating curve extended on basis of slope-area determination at 5.48 ft (1.670 m); minimum recorded, 2.5 ft³/s (0.071 m³/s) Dec. 20, 1967.

A stage of 5.48 ft (1.670 m), from high-water mark, occurred July 18, 1965, discharge 1,350 ft³/s (38.2 m³/s) by slope-area measurement of peak flow.

REMARKS.--Records good except periods of no gage-height record, which are poor. No regulation or diversions above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	11	9.0	9.2	9.2	8.9	9.9	26	75	20	16	11
2	11	11	9.1	9.6	9.3	8.9	9.7	27	72	19	15	10
3	12	11	9.3	9.5	9.2	8.7	11	33	89	19	14	10
4	12	11	9.2	9.4	9.2	8.6	16	48	83	19	14	9.8
5	12	11	9.7	9.2	8.9	8.8	22	44	76	18	18	9.6
6	12	11	9.2	9.3	8.8	8.9	21	38	71	18	17	9.4
7	12	11	9.3	9.3	9.1	8.9	17	36	68	17	16	9.2
8	12	11	9.2	9.5	9.1	9.1	15	36	64	17	15	9.0
9	12	11	8.4	9.1	9.2	9.6	14	37	57	17	15	9.0
10	12	11	9.1	9.2	9.2	9.6	13	46	53	21	14	8.9
11	12	10	8.9	9.3	8.7	9.7	13	75	46	20	14	8.7
12	12	11	9.4	9.3	8.7	9.1	13	106	42	17	14	8.6
13	12	11	9.6	9.3	9.1	8.5	13	107	35	51	14	8.5
14	12	11	9.1	9.2	8.8	8.9	14	119	30	28	14	10
15	12	10	9.4	9.4	8.8	8.9	16	131	25	24	13	9.0
16	12	10	9.6	9.2	8.7	9.0	18	131	21	22	13	8.5
17	12	10	9.3	9.2	8.6	8.5	19	113	18	21	13	8.4
18	11	11	9.2	9.2	8.7	9.3	17	106	15	19	12	8.3
19	11	10	9.3	9.1	8.8	9.8	17	106	12	18	12	8.2
20	11	9.7	9.2	9.1	9.0	9.6	23	143	17	17	12	8.2
21	11	9.7	9.2	9.2	8.7	9.5	28	104	35	16	20	8.2
22	11	10	9.3	8.7	8.8	9.4	33	88	30	16	35	8.2
23	11	9.5	9.0	9.2	8.8	8.9	36	83	28	16	25	8.1
24	11	9.0	8.9	9.3	8.8	9.3	39	82	27	16	20	8.1
25	11	9.4	8.8	9.3	8.7	9.7	42	80	25	16	17	8.1
26	11	9.0	8.9	9.5	8.8	8.9	36	81	25	16	15	8.1
27	11	9.1	9.0	9.5	8.9	7.8	32	99	24	15	14	8.1
28	11	9.6	9.0	9.1	8.9	8.3	30	111	23	15	12	8.1
29	11	8.9	8.8	9.2	---	10	28	98	22	15	12	8.1
30	11	8.8	8.7	9.3	---	9.1	26	89	21	15	11	8.1
31	11	---	8.8	9.3	---	10	---	83	---	15	11	---
TOTAL	356	306.7	282.9	287.2	249.5	282.2	641.6	2506	1229	593	477	263.5
MEAN	11.5	10.2	9.13	9.26	8.91	9.10	21.4	80.8	41.0	19.1	15.4	8.78
MAX	12	11	9.7	9.6	9.3	10	42	143	89	51	35	11
MIN	11	8.8	8.4	8.7	8.6	7.8	9.7	26	12	15	11	8.1
AC-FT	706	608	561	570	495	560	1270	4970	2440	1180	946	523

CAL YR 1974 TOTAL 9917.3 MEAN 27.2 MAX 170 MIN 7.4 AC-FT 19670
WTR YR 1975 TOTAL 7474.6 MEAN 20.5 MAX 143 MIN 7.8 AC-FT 14830

PEAK DISCHARGE (BASE, 30 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
4-5	1900	1.01	32	6-20	unknown	unknown	unknown
4-24	2100	1.33	68	7-13	0500	2.79	322
5-20	0800	1.93	156	8-22	unknown	1.87	127

NOTE.--No gage-height record Aug. 12 to Sept. 30.

BEAVER RIVER BASIN

285

10234500 Beaver River near Beaver, Utah

LOCATION.--Lat 38°16'43", long 112°33'32", in NW¼ sec.20, T.29 S., R.6 W., Beaver County, on left bank 300 ft (91 m) downstream from Bakers Canyon and 4.5 miles (7.2 km) east of Beaver.

DRAINAGE AREA.--90.7 mi² (235 km²).

PERIOD OF RECORD.--June to September 1906, March 1914 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,500 ft (1,981 m) from topographic map. Prior to Mar. 30, 1914, nonrecording gage and Mar. 30, 1914 to Oct. 15, 1937, water-stage recorder, at site 3,000 ft (914 m) downstream at different datum. Oct. 16, 1937 to Mar. 20, 1959, at site 0.4 mile (0.6 km) downstream at different datum.

AVERAGE DISCHARGE.--61 years, 50.9 ft³/s (1.441 m³/s), 36,880 acre-ft/yr (45.5 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 253 ft³/s (7.16 m³/s) June 2 (gage height, 2.69 ft or 0.820 m); minimum, 7.3 ft³/s (0.207 m³/s) Jan. 22.

Period of record: Maximum discharge, 1,080 ft³/s (30.6 m³/s) July 22, 1936 (gage height, 7.27 ft or 2.216 m, site and datum then in use), from rating curve extended above 500 ft³/s (14.2 m³/s); minimum, 2.6 ft³/s (0.074 m³/s) Aug. 2, 1974, result of water diverted to powerplant.

REMARKS.--Records good. No diversion for irrigation above station. Water diverted for hydroelectric power, but returned to stream above station. Some regulation by powerplants and several small reservoirs.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	20	14	13	15	16	16	24	199	99	43	20
2	15	20	14	13	15	17	19	25	223	96	40	20
3	17	20	16	13	15	17	16	31	222	95	38	20
4	23	17	16	12	15	16	16	42	216	93	37	20
5	17	17	17	13	15	16	16	32	216	95	36	20
6	16	17	16	14	15	16	18	27	226	94	35	20
7	16	17	16	15	15	16	18	24	223	92	34	20
8	16	19	15	14	15	16	18	23	203	90	32	20
9	16	18	17	13	15	16	16	29	196	101	31	25
10	16	17	16	12	15	16	15	36	178	90	30	24
11	16	17	15	13	15	16	15	57	161	84	29	19
12	16	17	14	13	15	15	15	76	162	90	30	22
13	16	17	15	13	15	15	15	84	165	90	28	24
14	15	17	16	13	15	15	17	105	173	81	25	29
15	15	17	17	13	15	14	16	116	175	76	25	24
16	15	16	18	13	15	15	16	119	171	71	25	21
17	15	16	16	14	15	15	16	112	161	67	25	21
18	15	17	19	14	14	15	16	121	151	64	24	20
19	15	17	15	14	14	16	16	135	125	63	24	19
20	15	14	16	14	15	17	16	142	113	53	27	20
21	15	16	15	14	15	16	18	111	112	50	36	20
22	15	17	15	12	14	16	23	92	114	49	30	20
23	16	15	14	16	14	15	23	78	113	47	25	19
24	17	15	14	15	15	15	24	78	114	45	24	18
25	13	16	12	15	15	15	32	103	113	44	23	20
26	11	16	12	15	15	15	26	127	109	43	23	20
27	11	16	12	15	15	14	24	149	107	43	22	19
28	13	16	14	14	16	14	24	125	106	45	22	20
29	13	15	14	14	---	14	18	119	104	53	22	19
30	13	15	13	15	---	15	21	126	102	50	21	16
31	14	---	13	15	---	17	---	158	---	45	21	---
TOTAL	471	504	466	426	417	481	559	2626	4753	2198	887	619
MEAN	15.2	16.8	15.0	13.7	14.9	15.5	18.6	84.7	158	70.9	28.6	20.6
MAX	23	20	19	16	16	17	32	158	226	101	43	29
MIN	11	14	12	12	14	14	15	23	102	43	21	16
AC-FT	934	1000	924	845	827	954	1110	5210	9430	4360	1760	1230

CAL YR 1974 TOTAL 13850 MEAN 37.9 MAX 192 MIN 11 AC-FT 27470
WTR YR 1975 TOTAL 14407 MEAN 39.5 MAX 226 MIN 11 AC-FT 28580

PEAK DISCHARGE (BASE, 150 CFS).--May 20 (0300) 159 cfs (2.22 ft); June 2 (2000) 253 cfs (2.69 ft).

BEAVER RIVER BASIN

10235000 South Creek near Beaver, Utah

LOCATION.--Lat 38°11'25", long 112°33'06", in NE¼ sec.20, T.30 S., R.6 W., Beaver County, on right bank at the diversion structure 0.2 mile (0.3 km) upstream from Big Twist Creek and the Yardley Ranch, 1.8 miles (2.9 km) downstream from Fishlake National Forest boundary, and 7.5 miles (12.1 km) southeast of Beaver.

DRAINAGE AREA.--14.7 mi² (38.1 km²).

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

GAGE.--Water-stage recorder and sharp-crested weir. Altitude of gage is 6,900 ft (2,103 m) from topographic map.

AVERAGE DISCHARGE.--10 years, 3.32 ft³/s (0.094 m³/s) 2,410 acre-ft/yr (2.97 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 56 ft³/s (1.59 m³/s) July 9 (gage height, 1.15 ft or 0.351 m); minimum discharge, 0.13 ft³/s (0.004 m³/s) Sept. 5, 6.

Period of record: Maximum discharge, about 200 ft³/s (5.66 m³/s) Aug. 1, 1965 (gage height, 1.75 ft or 0.533 m); no flow at times some years.

REMARKS.--Records good except those for the winter periods and periods of no gage-height record, which are poor. No diversions above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.31	1.0	1.1	1.0	1.0	1.4	1.4	2.8	16	2.8	1.4	.33
2	.29	.99	1.1	1.1	1.2	1.5	1.3	3.4	17	2.6	1.2	.27
3	.41	.99	1.2	1.1	1.1	1.4	1.2	5.4	16	2.6	1.1	.27
4	.63	1.0	1.3	1.1	1.0	1.3	1.3	6.9	17	2.8	.93	.27
5	.48	1.0	1.4	1.1	1.0	1.3	1.4	4.6	17	2.6	.81	.27
6	.50	1.0	1.3	1.1	1.0	1.4	1.6	4.2	16	2.3	.81	.27
7	.46	1.0	1.0	1.3	1.2	1.5	1.6	3.4	16	2.3	.69	.33
8	.47	1.1	1.0	1.2	1.3	1.6	1.5	3.4	16	2.3	.69	.48
9	.54	1.1	1.1	1.1	1.1	1.7	1.6	4.2	15	5.4	.59	1.1
10	.51	1.1	1.2	1.1	1.0	1.7	1.7	6.4	15	6.4	.48	.59
11	.50	1.0	1.3	1.1	1.0	1.4	1.8	10	15	4.0	.69	.40
12	.52	1.0	1.2	1.0	1.0	1.4	1.8	14	14	7.4	.69	.40
13	.53	1.1	1.1	1.1	1.0	1.3	1.9	15	11	4.6	.69	.93
14	.53	1.2	1.0	1.2	1.0	1.4	2.0	19	10	4.0	.59	1.4
15	.52	1.3	1.2	1.2	1.0	1.3	2.5	20	9.4	3.7	.40	.69
16	.53	1.2	1.1	1.3	1.0	1.2	2.3	16	8.0	3.4	.59	.59
17	.53	1.2	1.0	1.2	1.0	1.1	2.2	17	6.9	2.8	.59	.48
18	.57	1.3	1.1	1.3	1.0	1.3	2.4	18	7.4	2.8	.40	.48
19	.54	1.4	1.1	1.2	1.1	1.4	2.3	17	6.4	2.6	.40	.48
20	.57	1.6	1.1	1.2	1.2	1.5	2.5	17	5.9	2.3	.81	.48
21	.61	1.3	1.1	1.2	1.1	1.3	2.5	14	5.4	2.1	2.6	.48
22	.62	1.3	1.0	1.1	1.0	1.2	2.8	13	5.4	2.1	1.4	.40
23	.66	1.3	1.1	1.2	1.1	1.1	2.8	11	4.6	1.8	.81	.40
24	.68	1.2	1.0	1.3	1.1	1.2	2.7	10	4.2	1.6	.59	.40
25	.61	1.2	1.0	1.4	1.2	1.3	3.0	13	4.0	1.6	.59	.33
26	.72	1.1	1.0	1.4	1.1	1.2	2.9	14	4.0	1.4	.48	.41
27	.87	1.0	1.0	1.2	1.2	1.1	2.9	16	3.7	1.4	.48	.41
28	.88	1.0	1.0	1.0	1.3	1.0	2.8	17	3.4	1.4	.40	.41
29	.95	1.0	1.0	1.0	---	1.0	4.0	16	3.1	2.8	.40	.41
30	.88	1.0	1.1	1.1	---	1.1	3.4	17	3.1	2.3	.40	.41
31	.90	---	1.0	1.1	---	1.5	---	16	---	1.6	.33	---
TOTAL	18.32	33.98	34.2	36.0	30.3	41.1	66.1	364.7	295.9	89.6	23.03	14.57
MEAN	.59	1.13	1.10	1.16	1.08	1.33	2.20	11.8	9.86	2.90	.74	.49
MAX	.95	1.6	1.4	1.4	1.3	1.7	4.0	20	17	7.4	2.6	1.4
MIN	.29	.99	1.0	1.0	1.0	1.0	1.2	2.8	3.1	1.4	.33	.27
AC-FT	36	67	68	71	60	82	131	723	587	178	46	29
CAL YR 1974 TOTAL	761.07											
WTR YR 1975 TOTAL	1048.00											
MEAN 2.09												
MAX 13												
MIN .17												
AC-FT 1510												
MEAN 2.87												
MAX 20												
MIN .27												
AC-FT 2080												

PEAK DISCHARGE (BASE, 15 CFS).--May 15 (2100) 37 cfs (0.99 ft); July 9 (2100) 56 cfs (1.15 ft).

NOTE.--No record Nov. 23 to Apr. 27.

10236000 North Fork North Creek near Beaver, Utah

LOCATION.--Lat 38°20'44", long 112°33'03", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.29, T.28 S., R.6 W., Beaver County, on right bank 25 ft (8 m) upstream from road ford, 0.5 mile (0.8 km) above South Fork North Creek, 0.8 mile (1.3 km) east of Fishlake National Forest boundary, and 6.8 miles (10.9 km) northeast of Beaver.

DRAINAGE AREA.--14.1 mi² (36.5 km²).

PERIOD OF RECORD.--June to September 1906, August 1965 to current year. Annual maximum only July 1959 to July 1965.

GAGE.--Water-stage recorder. Altitude of gage is 6,800 ft (2,073 m) from topographic map. June to September 1906, nonrecording gage at about this site at different datum. July 1959 to July 1965, crest-stage gage at site 65 ft (20 m) downstream at different datum.

AVERAGE DISCHARGE.--10 years, 5.61 ft³/s (0.159 m³/s), 4,060 acre-ft/yr (5.01 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 96 ft³/s (2.72 m³/s) June 3 (gage height, 1.88 ft or 0.573 m); minimum, 0.50 ft³/s (0.014 m³/s) Nov. 29, result of freezeup.

Period of record: Maximum discharge, 198 ft³/s (5.61 m³/s) May 20, 1973, from rating curve extended above 81 ft³/s (2.29 m³/s); minimum recorded, 0.10 ft³/s (0.003 m³/s) Jan. 18, 1975, result of freezeup.

REMARKS.--Records fair except those for winter period, which are poor. No diversion or regulation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.99	2.7	1.4	1.2	1.3	2.1	2.8	5.4	50	10	3.2	1.8
2	1.0	2.4	1.5	1.1	1.3	2.3	3.2	5.9	66	9.4	2.7	1.8
3	1.8	2.3	1.7	1.0	1.3	2.2	3.5	8.8	64	9.1	2.5	1.8
4	1.9	2.1	2.2	1.1	1.2	2.0	3.3	11	52	8.8	2.4	1.4
5	1.5	2.0	2.1	1.2	1.2	1.9	3.8	9.8	49	8.2	2.4	1.0
6	1.4	1.9	1.9	1.3	1.2	1.7	4.0	8.7	50	7.2	2.2	1.0
7	1.4	1.8	1.7	1.4	1.2	1.9	4.4	7.8	57	6.9	2.2	1.2
8	1.4	2.0	1.5	1.4	1.2	2.2	4.5	7.5	50	7.2	2.1	1.3
9	2.0	2.4	1.4	1.4	1.2	2.2	4.1	7.8	53	6.9	2.1	1.4
10	1.7	2.2	1.2	1.4	1.2	2.3	3.2	10	37	6.6	2.0	1.2
11	1.5	2.1	1.5	1.4	1.2	2.2	2.8	15	28	6.3	2.0	1.2
12	1.5	2.3	1.6	1.3	1.2	2.0	2.8	23	29	8.2	2.1	1.2
13	1.5	2.3	1.5	1.3	1.2	2.0	3.0	24	29	8.2	2.0	1.1
14	1.5	2.3	1.4	1.3	1.2	2.0	3.2	27	32	7.2	2.0	1.1
15	1.7	2.3	1.7	1.2	1.2	2.0	3.4	28	37	6.3	2.0	1.0
16	1.7	2.3	2.1	1.2	1.2	2.0	3.7	28	33	6.1	2.0	.96
17	1.7	2.3	1.9	1.2	1.2	2.1	3.6	27	32	5.3	2.0	.96
18	1.7	2.3	1.9	1.2	1.2	2.3	4.0	28	27	5.0	2.0	.96
19	1.7	2.1	2.0	1.2	1.1	3.0	3.5	46	19	4.6	2.0	.88
20	1.7	1.9	2.1	1.3	1.1	4.1	3.8	48	16	4.4	2.7	.88
21	1.8	2.1	2.0	1.3	1.1	3.9	5.0	28	14	4.2	3.0	.88
22	1.8	2.3	1.8	1.3	1.1	3.6	7.1	18	13	3.8	2.2	.88
23	2.1	1.5	1.6	1.3	1.1	3.4	7.7	14	14	3.6	2.1	.88
24	2.3	1.7	1.5	1.3	1.1	3.1	8.5	13	14	3.4	2.0	.88
25	2.1	2.0	1.4	1.3	1.2	2.9	9.5	18	14	3.4	2.0	.81
26	2.0	1.6	1.5	1.3	1.2	2.7	7.9	28	12	3.2	2.0	.81
27	2.1	1.4	1.7	1.3	1.4	4.2	6.7	41	12	3.4	2.0	.81
28	2.3	1.6	1.6	1.3	1.6	5.1	5.8	38	12	3.8	2.0	.81
29	2.6	1.4	1.2	1.3	---	5.2	5.3	33	12	5.3	2.0	.81
30	2.4	1.3	1.2	1.3	---	4.2	5.3	30	11	4.0	2.0	.81
31	2.6	---	1.3	1.3	---	2.8	---	40	---	3.6	1.8	---
TOTAL	55.39	60.9	51.1	39.4	33.9	85.6	139.4	677.7	938	183.6	67.7	32.52
MEAN	1.79	2.03	1.65	1.27	1.21	2.76	4.65	21.9	31.3	5.92	2.18	1.08
MAX	2.6	2.7	2.2	1.4	1.6	5.2	9.5	48	66	10	3.2	1.8
MIN	.99	1.3	1.2	1.0	1.1	1.7	2.8	5.4	11	3.2	1.8	.81
AC-FT	110	121	101	78	67	170	276	1340	1860	364	134	65
CAL YR 1974	TOTAL	1360.69	MEAN	3.73	MAX	19	MIN	.70	AC-FT	2700		
WTR YR 1975	TOTAL	2365.21	MEAN	6.48	MAX	66	MIN	.81	AC-FT	4690		

PEAK DISCHARGE (BASE, 20 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-19	0400	1.64	56	7-12	2000	1.80	88
6-3	0900	1.88	96				

10236500 South Fork North Creek, near Beaver, Utah

LOCATION.--Lat 38°20'19", long 112°32'14", in SE¼SE¼SW¼ sec.28, T.28 S., R.6 W., Beaver County, on left bank 0.4 mile (0.6 km) upstream from the Fishlake National Forest boundary, 1.2 miles (1.9 km) upstream from the mouth, and 7.1 miles (11.4 km) northeast of Beaver.

DRAINAGE AREA.--23.0 mi² (59.6 km²).

PERIOD OF RECORD.--June to September 1906, August 1965 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,800 ft (2,073 m) from topographic map. June to September 1906, nonrecording gage at about this site at different datum.

AVERAGE DISCHARGE.--10 years, 18.7 ft³/s (0.530 m³/s), 13,550 acre-ft/yr (16.7 hm³/yr).

EXTREMES.--Current year: Maximum discharge during year, 400 ft³/s (11.3 m³/s) June 7 (gage height, 2.46 ft or 0.750 m); minimum observed discharge, 1.6 ft³/s (0.045 m³/s) Nov. 20.

Period of record: Maximum discharge, 1,550 ft³/s (43.9 m³/s) result of slope-area measurement July 24, 1968 (gage height, 3.10 ft or 0.945 m); minimum daily, 1.5 ft³/s (0.042 m³/s) Jan. 2-8, 1971.

REMARKS.--Records fair except those for winter period and period of no gage-height record, which are poor. No diversion above station. Some regulation possible by Blue Lake Reservoir, capacity 378 acre-ft (0.466 hm³).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	3.2	2.6	2.2	2.6	2.9	4.1	11	149	50	14	5.2
2	2.6	3.1	2.7	2.1	2.6	2.8	5.5	13	191	49	13	5.1
3	3.4	3.1	3.0	2.2	2.6	2.7	5.7	23	220	49	12	4.9
4	3.4	2.8	2.5	2.3	2.6	2.8	3.5	34	224	44	12	4.8
5	2.9	2.9	2.8	2.5	2.6	2.8	3.9	21	268	41	12	4.7
6	2.8	2.8	2.7	2.6	2.6	2.8	4.2	15	315	39	11	4.6
7	2.8	2.8	2.8	2.4	2.6	2.8	4.5	12	350	39	11	4.7
8	2.8	3.1	3.0	2.2	2.6	2.8	4.6	10	282	39	10	5.0
9	3.0	3.1	2.7	2.1	2.6	2.7	4.5	14	237	42	9.4	5.5
10	2.8	2.9	2.5	2.2	2.6	2.9	4.0	26	152	59	8.6	5.1
11	2.8	2.9	2.6	2.2	2.6	2.9	3.2	60	107	46	7.1	5.0
12	2.8	3.0	2.7	2.2	2.6	2.8	3.2	87	109	41	6.5	5.2
13	2.8	3.1	2.8	2.2	2.6	2.8	3.5	96	126	41	6.0	5.4
14	2.8	3.1	3.0	2.2	2.6	2.7	4.2	121	156	36	5.7	5.3
15	2.8	3.1	3.1	2.3	2.6	2.7	3.8	135	180	30	5.4	4.8
16	2.8	3.0	2.9	2.4	2.5	2.9	3.8	141	176	26	5.4	4.6
17	2.7	3.1	3.2	2.4	2.4	3.2	3.9	113	166	23	5.4	4.5
18	2.7	3.1	2.7	2.4	2.5	3.9	4.4	126	129	21	5.3	4.4
19	2.7	3.0	2.8	2.4	2.6	3.4	4.1	158	77	19	5.6	4.5
20	2.8	2.8	2.6	2.2	2.5	3.7	4.7	162	55	27	7.0	4.4
21	2.8	3.0	2.5	2.3	2.4	3.7	9.1	101	47	33	8.6	4.4
22	2.7	3.0	2.4	2.8	2.5	3.7	15	69	41	30	7.3	4.4
23	2.9	2.8	2.4	2.6	2.6	4.6	16	53	40	27	6.8	4.2
24	2.8	3.0	2.2	2.6	2.6	3.2	22	49	43	26	6.7	4.2
25	2.7	3.0	2.1	2.6	2.6	3.2	28	65	56	23	6.4	4.1
26	2.7	2.9	2.2	2.5	2.7	3.6	18	92	53	22	6.2	4.0
27	2.7	2.9	2.4	2.5	2.7	3.6	13	126	52	21	6.0	4.0
28	2.9	2.8	2.3	2.5	2.7	3.7	9.1	110	52	20	5.6	4.0
29	3.1	2.7	2.2	2.6	---	4.0	8.9	92	53	20	5.7	4.0
30	3.0	2.5	2.2	2.6	---	4.4	8.8	83	52	18	5.5	4.1
31	3.2	---	2.2	2.6	---	4.5	---	103	---	15	5.3	---
TOTAL	88.3	88.6	80.8	73.9	72.3	101.2	231.2	2321	4158	1016	242.5	139.1
MEAN	2.85	2.95	2.61	2.38	2.58	3.26	7.71	74.9	139	32.8	7.82	4.64
MAX	3.4	3.2	3.2	2.8	2.7	4.6	28	162	350	59	14	5.5
MIN	2.6	2.5	2.1	2.1	2.4	2.7	3.2	10	40	15	5.3	4.0
AC-FT	175	176	160	147	143	201	459	4600	8250	2020	481	276

CAL YR 1974 TOTAL 5775.2 MEAN 15.8 MAX 170 MIN 2.1 AC-FT 11460
WTR YR 1975 TOTAL 8612.9 MEAN 23.6 MAX 350 MIN 2.1 AC-FT 17080

PEAK DISCHARGE (BASE, 80 CFS).

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-19	0100	1.98	180	6-15	0100	2.06	208
6-7	0100	2.46	400				

NOTE.--No gage-height record Dec. 4 to Mar. 9.

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LOCATION.--Lat 38°15'13", long 112°46'03", in NW¼SW¼SW¼ sec.28, T.29 S., R.8 W., Beaver County, on left bank 370 ft (113 m) downstream from bridge on State Highway 21, 1.5 miles (2.4 km) upstream from Indian Creek, and 1.5 miles (2.4 km) east of Adamsville.

PERIOD OF RECORD.--December 1913 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 5,550 ft (1,692 m) from topographic map. Prior to Sept. 15, 1936, water-stage recorder and Sept. 15, 1936, to Oct. 15, 1937, nonrecording gage, at site 1.1 miles (1.8 km) downstream at different datum. Oct. 16, 1937, to May 28, 1946, water-stage recorder at site 1.2 miles (1.9 km) downstream at different datum. May 29, 1946, to Mar. 19, 1970, at site 1.75 miles (2.82 km) downstream at different datum.

EXTREMES.--Current year: Maximum discharge, 69 ft³/s (1.95 m³/s) July 29 (gage height, 1.69 ft or 0.515 m); minimum, 0.60 ft³/s (0.017 m³/s) May 26, 27.

Period of record: Maximum discharge, 1,090 ft³/s (30.9 m³/s) July 23, 1941 (gage height, 4.68 ft or 1.426 m, site and datum then in use), from rating curve extended above 500 ft³/s (14.2 m³/s); no flow during summer and fall months in many years.

REMARKS.--Records good. No diversions between station and Minersville Reservoir. Several ditches above station divert practically entire flow during irrigation season to supply Adamsville and Beaver districts.

DAY	OCT	NOV	DEC	JAN	FEH	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.75	18	30	23	29	44	40	1.6	13	4.2	21	4.8
2	.88	28	30	23	27	44	38	1.4	33	2.4	18	3.4
3	1.5	46	32	24	29	41	42	1.3	36	.84	17	3.1
4	1.2	38	33	24	28	41	36	1.2	29	1.1	16	2.7
5	1.1	37	34	24	26	42	31	1.1	24	4.3	17	1.2
6	1.1	37	29	25	24	46	27	1.5	26	4.1	16	1.1
7	.96	37	30	26	27	44	27	1.6	43	3.5	14	4.8
8	.96	41	29	25	28	43	27	1.5	55	6.1	13	15
9	2.5	46	30	25	29	43	29	1.5	39	19	15	13
10	2.3	39	31	24	29	46	30	1.5	25	32	18	10
11	2.1	38	33	24	26	50	29	1.1	20	57	19	9.8
12	2.0	37	34	23	26	43	30	.72	16	46	19	9.4
13	3.4	35	34	24	26	41	28	.72	13	42	27	7.8
14	7.4	34	30	25	26	41	25	.70	12	31	20	6.7
15	5.7	34	33	26	26	42	24	.70	13	27	13	5.7
16	5.1	34	36	27	24	39	24	.77	15	20	14	5.1
17	4.4	34	35	27	23	40	22	.97	18	14	18	5.1
18	5.1	35	33	28	24	41	24	.91	26	11	15	3.6
19	3.8	35	34	27	27	38	18	.67	30	11	9.4	3.1
20	4.2	34	34	28	33	37	15	2.7	23	8.5	11	5.4
21	4.8	34	34	28	29	36	11	4.8	22	6.7	39	8.6
22	4.9	34	33	27	26	36	9.9	1.1	20	11	26	3.1
23	5.7	34	25	28	34	35	8.8	.84	22	15	15	3.1
24	5.7	33	25	29	36	33	5.3	.74	21	20	13	2.5
25	5.4	34	24	31	40	32	1.2	.66	14	19	15	1.6
26	5.7	33	24	32	42	29	1.4	.62	12	18	13	1.8
27	7.0	32	23	31	41	29	2.1	2.0	11	19	8.2	1.4
28	8.1	31	23	29	43	30	1.9	11	12	22	6.7	1.4
29	14	29	24	25	---	30	1.8	5.9	9.5	47	6.3	1.5
30	9.8	29	24	29	---	35	1.6	2.2	5.5	54	5.4	1.8
31	10	---	23	29	---	42	---	.81	---	26	5.4	---
TOTAL	137.55	1040	926	820	828	1213	611.0	54.83	658.0	602.74	485.4	147.6
MEAN	4.4	35	30	26	30	34	20	1.7	22	19	16	4.9
MAX	14	46	36	32	43	50	42	11	55	57	39	15
MIN	.75	18	23	23	23	29	1.2	.62	5.5	.84	5.4	1.1
AC-FT	273	2060	1840	1630	1640	2410	1210	109	1310	1200	963	293
CAL YR 1974	TOTAL	7314.55	MEAN 20.0	MAX 53	MIN .70	AC-FT	14510					
WTR YR 1975	TOTAL	7524.12	MEAN 21.0	MAX 57	MIN .62	AC-FT	14920					

10237500 Indian Creek near Beaver, Utah

LOCATION.--Lat 38°25'53", long 112°35'13", in NE¼NW¼SE¼ sec.25, T.27 S., R.7 W., Beaver County, on right bank 0.4 mile (0.6 km) downstream from Fishlake National Forest boundary, about 0.6 mile (1.0 km) upstream from Manderfield ditch diversion, and 11 miles (18 km) north of Beaver.

DRAINAGE AREA.--18.5 mi² (47.9 km²).

PERIOD OF RECORD.--June to August 1906, July 1947 to October 1949, August 1965 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,800 ft (2,073 m) from topographic map. June to August 1906, nonrecording gage and July 1947 to October 1949, water-stage recorder at about same site at different datum.

AVERAGE DISCHARGE.--12 years (1947-49, 1965-75), 6.83 ft³/s (0.193 m³/s), 4,950 acre-ft/yr (6.10 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 45 ft³/s (1.27 m³/s) June 3 (gage height, 1.59 ft or 0.485 m); minimum daily discharge, 0.92 ft³/s (0.026 m³/s) Dec. 9.

Period of record: Maximum discharge, 311 ft³/s (8.81 m³/s) May 14, 1973 (gage height, 2.36 ft or 0.719 m); maximum gage height, 2.41 ft (0.735 m) Dec. 31, 1971, (backwater from ice); minimum recorded discharge, 0.68 ft³/s (0.019 m³/s) Sept. 15, 16, 1972.

REMARKS.--Records good except those for periods of no gage-height record, which are poor. No diversions above station. Some regulation from small reservoirs at headwaters, capacity about 500 acre-ft (616,500 m³).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	3.6	1.3	1.1	1.5	1.8	1.8	6.5	21	9.2	10	4.2
2	3.9	3.2	1.4	1.0	1.8	1.9	1.6	7.7	27	8.5	9.2	3.9
3	2.8	3.1	1.5	.96	1.5	1.6	1.5	11	41	8.5	9.2	3.9
4	2.4	2.9	1.7	1.1	1.4	1.4	1.7	13	40	8.5	8.5	3.9
5	2.1	2.8	1.3	1.3	1.2	1.5	1.8	11	37	8.5	7.4	3.3
6	2.1	2.7	1.1	1.6	1.4	1.7	1.7	11	36	8.5	6.9	2.7
7	2.1	2.4	1.1	1.6	1.6	1.9	1.7	11	37	9.2	6.9	2.7
8	2.1	2.6	1.0	1.6	1.8	2.2	1.7	12	36	12	6.9	2.7
9	2.7	2.6	.92	1.4	1.4	2.0	1.7	16	32	13	6.4	2.7
10	2.2	2.5	1.0	1.2	1.3	1.9	1.7	22	29	12	6.4	2.7
11	2.2	2.4	1.1	1.1	1.4	2.1	1.7	28	26	12	6.4	2.7
12	2.3	2.4	1.3	1.0	1.5	1.8	1.7	31	24	12	6.0	2.7
13	2.1	2.5	1.1	1.1	1.6	1.4	1.7	32	22	12	6.0	2.7
14	2.1	2.5	.98	1.3	1.7	2.0	1.9	34	21	12	6.0	2.4
15	2.3	2.5	1.2	1.5	1.8	1.9	2.1	33	21	11	6.0	2.4
16	2.4	2.4	2.0	1.5	1.3	1.9	2.2	33	20	11	6.0	2.4
17	2.4	2.3	1.8	1.5	1.2	1.9	2.3	30	19	12	6.0	2.3
18	2.3	2.5	1.3	1.5	1.1	2.0	3.9	26	17	12	5.6	2.1
19	2.3	2.2	1.4	1.5	1.3	2.2	3.6	26	17	12	5.2	2.3
20	2.4	1.8	1.5	1.5	1.5	2.1	2.8	28	16	11	6.4	2.1
21	2.5	2.3	1.6	1.4	1.2	1.9	4.3	24	15	11	6.4	2.0
22	2.5	2.4	1.3	1.3	1.0	2.0	5.7	21	13	11	5.6	1.9
23	2.8	2.1	1.1	1.5	1.0	1.4	6.3	17	12	11	5.2	1.9
24	2.7	1.7	1.0	1.6	1.0	1.5	7.6	16	12	11	4.9	1.7
25	2.7	2.0	.96	1.8	1.1	1.5	8.8	16	10	10	4.9	1.5
26	2.8	1.8	1.1	1.9	1.2	1.5	7.7	17	12	10	4.9	1.4
27	2.8	1.5	1.3	1.6	1.7	1.4	6.8	21	12	10	4.5	1.3
28	3.2	1.7	1.5	1.5	1.8	1.3	6.3	24	11	10	4.5	1.3
29	3.4	1.3	1.3	1.5	---	1.5	6.0	23	10	12	4.5	1.2
30	3.3	1.2	1.1	1.5	---	1.7	6.0	21	9.2	10	4.2	1.1
31	3.4	---	1.2	1.5	---	1.8	---	20	---	10	4.2	---
TOTAL	80.0	69.9	39.46	43.46	39.3	54.7	106.3	642.2	655.2	330.9	191.2	72.1
MEAN	2.58	2.33	1.27	1.40	1.40	1.76	3.54	20.7	21.8	10.7	6.17	2.40
MAX	3.9	3.6	2.0	1.9	1.8	2.2	8.8	34	41	13	10	4.2
MIN	2.1	1.2	.92	.96	1.0	1.3	1.5	6.5	9.2	8.5	4.2	1.1
AC-FT	159	139	78	86	78	108	211	1270	1300	656	379	143

CAL YR 1974 TOTAL 1796.06 MEAN 4.92 MAX 21 MIN .92 AC-FT 3560
WTR YR 1975 TOTAL 2324.72 MEAN 6.37 MAX 41 MIN .92 AC-FT 4610

PEAK DISCHARGE (BASE, 20 CFS).--May 13 (1900) 38 cfs (1.52 ft); June 3 (2200) 45 cfs (1.59 ft).

NOTE.--No gage-height record December 26 to March 11.

BEAVER RIVER BASIN

291

10238500 Minersville Reservoir near Minersville, Utah

LOCATION.--Lat 38°13'03", long 112°50'05", in SE 1/4 NW 1/4 sec. 11, T.30 S., R. 9 W., Beaver County, Rocky Ford Dam on Beaver River, 5.0 miles (8.0 km) east of Minersville.

DRAINAGE AREA.--534 mi² (1,383 km²). (Revised)

PERIOD OF RECORD.--April to August 1915, November 1915 to September 1917, December 1917 to March 1921, June to September 1922, October 1937 to current year. Month-end contents only for some periods, published in WSP 1314. Published as Rockyford Reservoir near Minersville prior to Oct. 1, 1967.

GAGE.--Staff gage. Datum of gage is at 5,452.0 ft (1,661.77 m) above mean sea level. Levels by topographic survey.

EXTREMES.--Current year: Maximum contents observed, 13,270 acre-ft (16.4 hm³) May 7 (gage height, 40.2 ft or 12.25 m); minimum, 3,030 acre-ft (3.74 hm³) Oct. 2 (gage height, 20.7 ft or 6.31 m).

Period of record: Maximum contents observed, 26,330 acre-ft (32.5 hm³) June 24-29, 1969 (gage height, 53.8 ft or 16.40 m). No contents at times in 1915, 1918-19, 1939, and 1956.

REMARKS.--Reservoir is formed by earthfill dam completed in 1914. Capacity, 23,260 acre-ft (28.7 hm³) between gage height 0.0 (bottom of outlet tunnel) and 51.0 ft (15.54 m) (spillway crest). Prior to fall of 1937 the spillway crest was at elevation 52.5 ft (16.00 m); capacity, 24,910 acre-ft (30.7 hm³). Dead storage negligible. Figures given herein represent total contents. Water is used for irrigation in vicinity of Minersville and Milford.

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	3030	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	11690	---	---	---	---	6560	4790
5	---	---	---	8090	9660	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	13030	13270	---	8360	---	---
8	---	---	---	---	---	---	---	12700	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	6500	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	6880	---	---	---	---	---	---	7650	---	---
15	---	---	---	---	---	---	---	10940	---	---	---	---
16	---	---	---	---	---	---	---	---	---	8360	---	---
17	---	---	---	---	---	---	---	---	8580	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	8360	10130	---	---	---	---	---	---	---
28	---	---	---	---	10440	---	---	---	8250	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	85940	---	---	---	---	13220	---	8270	---	---	85200
31	4250	---	87650	9590	---	11690	---	11010	---	6940	5020	---
(+)	24.4	---	---	35.0	---	38.1	---	37.1	---	---	---	---
(#)	+1140	+1690	+1710	+1940	+850	+1250	+1530	-2210	-2740	-1330	-1920	+180

CAL YR..... # -8,100

WTR YR..... # +2,090

+ Gage height, in feet, at end of month.

Change in contents, in acre-feet.

a No gage-height readings, contents interpolated.

BEAVER RIVER BASIN

10239000 Beaver River at Rocky Ford Dam near Minersville, Utah

LOCATION.--Lat 38°13'03", long 112°50'22", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.11, T.30 S., R.9 W., Beaver County, on right bank 0.5 mile (0.8 km) downstream from Rocky Ford Dam and 4.8 miles (7.7 km) east of Minersville.

DRAINAGE AREA.--512 mi² (1,326 km²).

PERIOD OF RECORD.--December 1913 to September 1936, April 1937 to current year.

GAGE.--Water-stage recorder. Concrete control since Nov. 12, 1916. Altitude of gage is 5,400 ft (1,646 m) by barometer. Prior to June 1, 1916, at site 1,500 ft (457 m) upstream at different datum.

AVERAGE DISCHARGE.--60 years (1914-36, 1937-75), 36.8 ft³/s (1.042 m³/s), 26,660 acre-ft/yr (32.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 122 ft³/s (3.46 m³/s) May 15 (gage height, 1.75 ft or 0.533 m); minimum daily, 3.5 ft³/s (0.099 m³/s) May 26.

Period of record: Maximum discharge, 727 ft³/s (20.6 m³/s) June 10, 1921 (gage height, 3.53 ft or 1.076 m); minimum daily, 0.4 ft³/s (0.011 m³/s) Mar. 20, 1914.

REMARKS.--Records good. One small diversion between dam and station. Flow regulated by Minersville Reservoir (formerly published as Rockyford Reservoir). Numerous diversions for irrigation and municipal use above reservoir.

REVISIONS (WATER YEARS).--WSP 1564: 1920, 1924.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	4.4	5.6	5.8	5.2	7.0	7.5	8.7	19	80	43	47
2	5.9	4.8	5.8	5.5	5.5	7.0	7.4	22	53	86	31	47
3	6.9	4.5	6.0	6.0	5.5	7.0	7.0	28	55	95	29	47
4	5.8	4.5	6.0	6.0	5.5	7.0	7.0	29	55	93	30	40
5	5.5	4.4	6.0	6.0	5.5	7.2	7.0	42	55	88	30	37
6	5.7	4.4	5.9	5.8	5.5	7.5	7.3	54	65	85	29	39
7	5.5	4.4	6.5	5.5	5.5	7.5	7.3	53	72	82	30	32
8	5.5	4.6	6.5	5.5	5.5	7.0	7.1	53	74	79	39	28
9	5.3	4.8	6.5	5.5	5.6	7.1	7.2	53	75	67	51	23
10	5.2	4.8	6.5	5.8	5.5	7.5	7.5	53	74	60	59	17
11	5.2	4.9	6.5	5.5	5.5	7.5	7.5	59	74	58	59	17
12	5.2	5.1	6.5	5.4	6.0	7.5	7.5	110	74	55	59	18
13	5.3	5.0	6.2	5.2	6.0	7.5	7.5	118	75	46	60	10
14	4.9	4.8	6.6	5.2	6.1	6.7	7.5	118	74	33	49	3.9
15	4.8	4.8	7.0	5.2	6.0	6.5	7.8	120	69	32	34	3.8
16	4.8	5.2	7.4	5.2	6.0	6.6	8.1	121	72	30	24	3.9
17	4.8	5.2	7.0	5.5	6.0	6.8	8.0	119	78	29	21	3.9
18	4.8	5.3	7.0	5.5	6.0	7.0	8.1	105	83	34	27	4.4
19	4.8	5.2	7.0	5.5	6.0	7.0	8.1	96	86	37	36	4.6
20	5.1	5.2	7.0	5.3	6.0	7.3	8.1	44	78	38	40	4.6
21	5.0	5.2	7.5	5.2	6.0	7.5	8.1	5.2	63	59	42	5.0
22	5.2	5.3	7.4	5.2	6.5	7.8	8.1	4.8	25	61	42	5.0
23	4.9	5.8	7.0	5.2	6.5	7.7	8.1	4.4	17	82	33	5.0
24	4.6	5.9	7.0	5.5	6.5	7.2	8.5	3.9	22	96	27	5.4
25	4.8	5.8	7.0	5.5	6.5	7.5	8.6	3.9	24	94	25	5.4
26	4.7	5.7	6.9	5.5	6.5	7.6	8.7	3.5	27	96	26	5.5
27	4.9	5.5	6.5	5.3	6.8	7.2	8.7	56	29	95	26	5.9
28	5.1	5.8	7.0	5.2	7.0	7.0	8.5	37	42	95	28	5.8
29	4.9	5.7	7.0	5.2	---	6.9	8.4	28	63	93	37	5.0
30	4.4	5.9	7.0	5.2	---	7.1	8.6	19	71	73	48	5.3
31	4.4	---	7.0	5.2	---	7.5	---	19	---	58	47	---
TOTAL	159.9	152.9	206.8	169.1	166.7	223.2	234.8	1590.4	1743	2109	1161	484.4
MEAN	5.16	5.10	6.67	5.45	5.95	7.20	7.83	51.3	58.1	68.0	37.5	16.1
MAX	6.9	5.9	7.5	6.0	7.0	7.8	8.7	121	86	96	60	47
MIN	4.4	4.4	5.6	5.2	5.2	6.5	7.0	3.5	17	29	21	3.8
AC-FT	317	303	410	335	331	443	466	3150	3460	4180	2300	961

CAL YR 1974 TOTAL 16818.5 MEAN 46.1 MAX 215 MIN 4.4 AC-FT 33360
WTR YR 1975 TOTAL 8401.2 MEAN 23.0 MAX 121 MIN 3.5 AC-FT 16660

PAROWAN VALLEY

293

10241400 Little Creek near Paragonah, Utah

LOCATION.--Lat 37°54'20", long 112°42'30", SE¼NE¼ sec.25, T.33 S., R.8 W., Iron County, on right bank 0.5 mile (0.8 km) downstream from Dixie National Forest boundary, 2.2 miles (4.0 km) upstream from mouth of canyon, and 3.9 miles (5.6 km) northeast of Paragonah.

DRAINAGE AREA.--17 mi² (44.0 km²), approximately.

PERIOD OF RECORD.--July 1959 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,740 ft (2,054 m) from topographic map.

AVERAGE DISCHARGE.--16 years, 1.86 ft³/s (0.053 m³/s), 1,350 acre-ft/yr (1.66 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 290 ft³/s (8.21 m³/s) July 15 (gage height, 3.59 ft or 1.09 m); minimum, 0.69 ft³/s (0.020 m³/s) several days in Oct.

Period of record: Maximum discharge, 351 ft³/s (9.94 m³/s) Aug. 3, 1961 (gage height, 3.86 ft or 1.177 m, from floodmarks) from rating curve extended above gage height 1.4 ft (0.427 m) on basis of slope-area measurement made at gage height 3.55 ft (1.082 m); maximum gage height, 4.20 ft (1.280 m) July 31, 1968; no flow at times.

REMARKS.--Records good, except those for period of no gage-height, which are fair. Station is above all diversions.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.69	1.0	.95	.90	1.4	1.7	4.8	2.9	7.6	4.5	2.3	.96
2	.78	1.1	1.0	.90	1.4	1.8	5.4	2.7	7.3	4.2	2.1	.96
3	.78	1.1	1.1	.90	1.4	1.9	5.4	2.7	7.5	4.1	2.0	.98
4	.78	1.1	1.1	.90	1.3	1.5	5.1	2.7	8.2	4.5	1.9	.95
5	.75	1.1	1.1	.98	1.2	1.4	5.9	2.7	7.9	4.3	1.9	.89
6	.69	1.2	1.0	1.1	1.2	1.4	6.5	2.5	8.2	3.9	1.9	.85
7	.78	1.1	.96	1.1	1.3	1.4	5.9	3.0	7.9	3.8	1.9	.83
8	.78	1.1	.94	1.1	1.5	2.1	5.4	4.4	7.8	4.5	1.8	1.3
9	.78	1.1	.92	1.0	1.5	2.0	5.6	5.8	7.5	5.6	2.1	1.8
10	.78	1.2	.90	.90	1.5	1.8	5.6	7.3	7.2	4.5	2.2	1.6
11	.78	1.1	.92	.90	1.5	1.5	5.1	9.2	7.0	4.5	1.9	1.2
12	.74	1.0	.96	.90	1.5	1.6	4.8	9.7	6.7	4.4	1.8	1.1
13	.78	1.0	.98	1.0	1.5	1.8	5.4	9.5	6.4	4.0	1.6	1.2
14	.78	1.0	.99	1.2	1.5	2.0	5.4	9.3	6.1	4.7	1.5	1.2
15	.78	1.0	1.1	1.3	1.4	2.0	5.6	9.5	5.9	17	1.4	1.0
16	.78	1.0	1.1	1.4	1.3	2.1	5.9	9.3	6.1	3.3	1.7	1.0
17	.82	1.0	1.1	1.4	1.2	2.1	5.6	9.3	5.9	3.1	1.5	.99
18	.78	1.0	1.1	1.4	1.2	2.3	4.8	9.6	7.1	3.0	1.3	.97
19	.78	1.0	1.1	1.4	1.2	2.7	4.1	9.3	6.7	2.8	1.3	.92
20	.78	1.0	1.1	1.4	1.2	3.6	4.1	9.7	5.9	2.7	1.9	.89
21	.88	1.0	.94	1.4	1.2	3.8	3.8	9.6	6.1	2.6	2.9	.90
22	.89	1.1	.80	1.3	1.2	4.1	3.8	9.4	5.7	2.5	1.8	.91
23	.89	1.2	.80	1.3	1.2	3.6	3.8	8.7	5.3	2.4	1.6	.89
24	.89	1.1	.80	1.3	1.2	3.6	3.6	8.4	5.3	2.5	1.5	.88
25	.93	1.0	.80	1.4	1.2	4.3	3.6	8.0	5.1	2.4	1.3	.87
26	.89	1.0	.85	1.4	1.3	4.6	3.4	7.4	4.8	2.3	1.2	.87
27	.89	1.0	.90	1.4	1.4	3.4	3.4	7.6	4.8	2.5	1.2	.79
28	.89	.96	.98	1.4	1.6	4.1	3.1	8.2	4.5	3.5	1.1	.80
29	1.0	.92	.99	1.4	---	4.3	3.1	8.2	4.5	4.5	1.1	.78
30	1.0	.90	.99	1.4	---	5.1	2.9	8.2	4.3	3.3	1.1	.79
31	1.0	---	.93	1.4	---	5.4	---	7.6	---	2.5	1.0	---
TOTAL	25.54	31.38	30.20	37.18	37.5	85.0	140.9	222.4	191.3	124.4	51.8	30.07
MEAN	.82	1.05	.97	1.20	1.34	2.74	4.70	7.17	6.38	4.01	1.67	1.00
MAX	1.0	1.2	1.1	1.4	1.6	5.4	6.5	9.7	8.2	17	2.9	1.8
MIN	.69	.90	.80	.90	1.2	1.4	2.9	2.5	4.3	2.3	1.0	.78
AC-FT	51	62	60	74	74	169	279	441	379	247	103	60

CAL YR 1974 TOTAL 611.36 MEAN 1.68 MAX 4 MIN .69 AC-FT 1210
WTR YR 1975 TOTAL 1007.67 MEAN 2.76 MAX 17 MIN .69 AC-FT 2000

PEAK DISCHARGE (BASE, 11 CFS).--July 15 (1300) 290 cfs (3.59 ft).

NOTE.--No gage-height record Nov. 12 to Mar. 2.

10241430 Red Creek near Paragonah, Utah

LOCATION.--Lat 37°51'30", long 112°40'28", in NE¼ sec.18, T.34 S., R.7 W., Iron County, about 100 ft (30 m) above the high-water line of Red Creek Reservoir, 5.8 miles (9.3 km) east of Paragonah.

DRAINAGE AREA.--6.3 mi² (16.3 km²) approximately.

PERIOD OF RECORD.--August 1965 to September 1975 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 7,800 ft (2,377 m) from topographic map.

AVERAGE DISCHARGE.--10 years, 1.71 ft³/s (0.048 m³/s), 1,240 acre-ft/yr (1.53 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 18 ft³/s (0.51 m³/s) May 15 (gage height, 2.55 ft or 0.777 m); minimum, 0.61 ft³/s (0.017 m³/s) Nov. 14.

Period of record: Maximum discharge, 48 ft³/s (1.36 m³/s) Aug. 17, 1965 (gage height, 3.28 ft or 1.000 m, from floodmark); minimum, 0.25 ft³/s (0.007 m³/s) July 20, 1972.

REMARKS.--Records good, except during winter period, which are fair. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.4	1.1	1.1	1.1	1.1	.94	1.9	6.6	2.2	2.1	1.6
2	1.1	1.4	1.1	1.1	1.0	1.1	.94	2.3	6.8	2.2	2.0	1.5
3	1.4	1.4	1.1	1.1	1.0	1.1	.95	3.4	6.6	2.3	1.9	1.5
4	1.4	1.3	1.1	1.1	1.0	1.1	1.0	3.3	6.4	2.3	1.9	1.5
5	1.2	1.2	1.2	1.1	1.0	1.1	1.1	2.6	6.2	2.3	1.8	1.4
6	1.2	1.2	1.2	1.1	1.0	1.1	1.1	2.4	6.1	2.2	1.8	1.4
7	1.2	1.3	1.2	1.2	1.0	1.1	1.1	2.2	5.9	2.2	1.7	1.4
8	1.3	1.4	1.2	1.2	1.0	1.0	1.1	2.7	5.6	3.8	1.7	1.7
9	1.3	1.4	1.2	1.2	1.0	1.0	1.1	3.6	5.2	3.1	1.7	1.7
10	1.2	1.2	1.2	1.2	1.0	.94	1.1	5.4	4.9	3.0	1.8	1.6
11	1.2	1.3	1.1	1.1	1.0	.94	1.0	7.4	4.4	2.9	1.8	1.5
12	1.2	1.3	1.1	1.1	1.0	.91	.99	8.1	4.1	2.6	1.8	1.6
13	1.2	1.4	1.2	1.1	1.0	.89	1.1	9.6	3.9	2.7	1.8	1.6
14	1.2	1.3	1.2	1.1	1.0	.89	1.2	12	3.7	3.5	1.9	1.5
15	1.2	1.3	1.2	1.1	1.0	.94	1.4	13	3.6	2.8	1.8	1.5
16	1.2	1.2	1.2	1.1	1.0	.94	1.3	12	3.4	2.5	1.9	1.5
17	1.2	1.3	1.2	1.1	1.0	.94	1.1	11	3.3	2.4	1.8	1.4
18	1.2	1.3	1.3	1.0	1.0	1.0	1.1	11	3.9	2.3	1.7	1.4
19	1.2	1.3	1.3	1.0	1.0	1.1	1.1	12	3.4	2.2	1.7	1.4
20	1.2	1.3	1.3	1.0	1.0	1.1	1.2	10	3.3	2.2	2.1	1.4
21	1.2	1.3	1.3	1.0	1.0	1.0	1.5	7.4	3.1	2.1	2.4	1.4
22	1.2	1.3	1.3	1.1	1.0	.95	1.8	6.6	3.0	2.0	1.9	1.4
23	1.2	1.2	1.3	1.2	1.1	.96	1.8	6.3	3.0	2.0	1.8	1.4
24	1.3	1.4	1.2	1.2	1.1	.96	2.3	7.4	2.8	2.0	1.7	1.4
25	1.2	1.4	1.2	1.1	1.1	.97	2.3	7.4	2.7	1.9	1.7	1.4
26	1.4	1.4	1.2	1.1	1.1	.92	1.8	6.9	2.6	1.9	1.7	1.3
27	1.4	1.3	1.1	1.1	1.1	.89	1.6	8.8	2.5	2.0	1.7	1.3
28	1.4	1.2	1.1	1.1	1.1	.89	1.5	8.5	2.4	2.4	1.6	1.3
29	1.3	1.1	1.1	1.1	---	.89	1.6	7.0	2.4	2.9	1.6	1.3
30	1.4	1.1	1.1	1.1	---	.90	1.8	6.3	2.4	2.2	1.6	1.3
31	1.4	---	1.1	1.1	---	.94	---	6.5	---	2.0	1.6	---
TOTAL	38.8	38.9	36.7	34.3	28.7	30.56	39.92	215.0	124.2	75.1	56.0	43.6
MEAN	1.25	1.30	1.18	1.11	1.03	.99	1.33	6.94	4.14	2.42	1.81	1.45
MAX	1.4	1.4	1.3	1.2	1.1	1.1	2.3	13	6.8	3.8	2.4	1.7
MIN	1.1	1.1	1.1	1.0	1.0	.89	.94	1.9	2.4	1.9	1.6	1.3
AC-FT	77	77	73	68	57	61	79	426	246	149	111	86

CAL YR 1974 TOTAL 662.39 MEAN 1.81 MAX 7 MIN .90 AC-FT 1310
WTR YR 1975 TOTAL 761.78 MEAN 2.09 MAX 13 MIN .89 AC-FT 1510

PEAK DISCHARGE (BASE, 4 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-3	2000	1.99	6.1	7-8	1700	2.30	12
5-15	1700	2.55	18	7-14	1700	2.18	9.9
5-27	1500	2.27	12				

PAROWAN VALLEY

295

10241470 Center Creek above Parowan Creek, near Parowan, Utah

LOCATION.--Lat 37°47'35", long 112°48'55", in NE¼NE¼ sec.1, T.35 S., R.9 W., Iron County, on left bank about 900 ft (274 m) above mouth of Parowan Creek and 3.5 miles (5.6 km) south of Parowan.

DRAINAGE AREA.--11 mi² (28.5 km²), approximately, does not include 2.0 mi² (5.18 km²) that contributes runoff to Yankee Meadows Reservoir, located on Boworg Creek, which is a tributary to Center Creek, 0.5 mile (0.8 km) below station.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,900 ft (2,103 m) above mean sea level (from topographic map).

AVERAGE DISCHARGE.--11 years, 6.72 ft³/s (0.190 m³/s), 4,870 acre-ft/yr (6.00 km³/yr).

EXTREMES.--Current year: Maximum discharge, 258 ft³/s (7.28 m³/s) July 8 (gage height, 3.79 ft or 1.16 m); minimum discharge, 2.2 ft³/s (0.062 m³/s) May 6.

Period of record: Maximum discharge, 353 ft³/s (10.0 m³/s) Aug. 10, 1965 (gage height, 4.96 ft or 1.512 m from floodmarks), from rating curve extended above 18 ft³/s (0.51 m³/s) on basis of slope-area measurement, at gage height, 4.96 ft (1.512 m); minimum recorded, 1.4 ft³/s (0.040 m³/s) July 16, 1972.

REMARKS.--Records good except those for period of no gage-height record, which are poor. No diversion or regulation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	4.7	3.8	4.0	3.6	3.6	4.6	6.5	9.1	9.9	8.8	4.8
2	4.2	4.6	3.9	4.0	3.6	3.8	4.9	6.6	9.1	10	8.8	4.7
3	4.6	4.5	3.8	4.0	3.6	3.8	5.0	8.2	9.0	10	8.4	4.7
4	4.3	4.0	3.8	4.0	3.6	3.8	5.0	7.5	9.0	10	8.4	4.9
5	4.3	3.8	4.1	4.0	3.6	3.8	5.0	4.8	9.0	10	8.0	4.8
6	4.1	3.7	4.0	4.1	3.6	3.8	5.0	4.8	8.8	10	7.6	4.8
7	4.2	3.6	4.1	4.3	3.6	3.8	5.0	5.0	8.7	10	7.6	4.7
8	4.4	4.3	4.0	4.3	3.4	3.8	5.0	5.6	8.6	24	7.6	5.7
9	4.2	4.1	4.0	4.3	3.6	3.8	5.0	7.4	8.3	40	7.6	5.2
10	3.8	3.6	4.0	3.8	3.6	4.1	5.3	9.3	8.3	27	7.2	4.9
11	3.8	3.7	4.0	3.8	3.6	4.1	5.3	11	8.4	18	6.4	4.8
12	3.7	3.7	4.0	3.8	3.6	4.1	5.3	10	8.2	15	6.8	4.9
13	3.8	3.6	4.1	3.8	3.6	4.1	5.3	11	8.1	14	6.8	4.9
14	4.1	3.6	4.2	3.8	3.6	4.1	5.3	13	8.2	30	6.8	4.8
15	4.1	3.6	4.2	3.8	3.4	4.1	5.3	14	8.2	23	6.6	4.6
16	4.1	3.6	4.3	3.8	3.4	4.1	5.3	13	8.2	12	6.7	4.5
17	3.8	3.5	4.3	3.6	3.4	4.1	5.3	12	8.2	11	6.5	4.3
18	3.8	3.6	4.4	3.6	3.4	4.3	5.7	13	9.2	12	6.4	4.2
19	3.8	3.7	4.5	3.6	3.4	4.3	5.7	13	8.4	11	6.3	4.4
20	3.9	3.6	4.6	3.6	3.4	4.3	6.0	13	8.2	11	6.9	4.4
21	3.7	3.7	4.6	3.6	3.4	4.3	7.8	12	8.5	11	8.5	4.3
22	3.6	3.9	4.6	4.0	3.6	4.3	7.5	10	8.7	11	6.5	4.2
23	3.7	3.7	4.5	4.1	3.6	4.3	7.3	9.5	8.7	10	6.1	4.2
24	3.5	3.5	4.3	3.8	3.6	4.3	7.8	9.7	8.7	10	5.8	4.2
25	3.4	3.5	4.0	3.8	3.6	4.3	7.6	9.5	8.9	9.2	5.6	4.1
26	4.9	3.5	4.0	3.8	3.6	4.6	7.0	9.9	9.1	9.6	5.5	4.1
27	5.2	3.5	4.0	3.8	3.6	4.6	6.4	12	9.3	10	5.3	4.1
28	5.2	3.6	4.0	3.8	3.6	4.6	6.4	11	9.4	10	5.2	4.0
29	5.0	3.7	4.0	3.8	---	4.6	6.4	9.3	9.9	11	5.0	4.0
30	4.8	3.8	4.0	3.8	---	4.6	6.5	8.8	9.9	9.6	5.0	4.1
31	4.7	---	4.0	3.8	---	4.6	---	8.9	---	9.2	4.9	---
TOTAL	128.9	113.5	128.1	120.1	99.2	128.8	175.0	299.3	262.3	428.5	209.6	136.3
MEAN	4.16	3.78	4.13	3.87	3.54	4.15	5.83	9.65	8.74	13.8	6.76	4.54
MAX	5.2	4.7	4.6	4.3	3.6	4.6	7.8	14	9.9	40	8.8	5.7
MIN	3.4	3.5	3.8	3.6	3.4	3.6	4.6	4.8	8.1	9.2	4.9	4.0
AC-FT	256	225	254	238	197	255	347	594	520	850	416	270

CAL YR 1974 TOTAL 1946.7 MEAN 5.33 MAX 17 MIN 3.4 AC-FT 3860
WTR YR 1975 TOTAL 2229.6 MEAN 6.11 MAX 40 MIN 3.4 AC-FT 4420

PEAK DISCHARGE (BASE, 30 CFS).--July 8 (1700) 258 cfs (3.79 ft); July 14 (time, discharge, gage height unknown).

NOTE.--No gage-height record December 5 to April 20.

10241600 Summit Creek near Summit, Utah

LOCATION.--Lat 37°47'13", long 112°54'56", in NE¼ sec.6, T.35 S., R.9 W., Iron County, on left bank about 900 ft (274 m) upstream from concrete diversion dam, 1.2 miles (1.9 km) south of U.S. Highway 91, and 1.3 miles (2.1 km) southeast of Summit.

DRAINAGE AREA.--24 mi² (62 km²), approximately.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,313 ft (1,924 m) above mean sea level (levels by U.S. Geological Survey). Prior to July 15, 1971, at site 600 ft (183 m) downstream at different datum.

AVERAGE DISCHARGE.--11 years, 4.49 ft³/s (0.127 m³/s), 3,250 acre-ft/yr (4.01 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 37 ft³/s (1.048 m³/s) July 29 (gage height, 2.46 ft or 0.750 m); minimum, 0.29 ft³/s (0.008 m³/s) Mar. 31.

Period of record: Maximum discharge, 858 ft³/s (24.3 m³/s) Aug. 6, 1971 (gage height, 4.25 ft or 1.295 m) from rating curve extended on basis of slope-area measurement of peak flow; minimum, 0.05 ft³/s (0.001 m³/s) Feb. 5-7, 1971.

REMARKS.--Records good except those for winter period and periods of no gage-height, which are fair. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.95	1.7	.97	.80	.90	1.0	.80	1.3	23	4.8	5.5	1.5
2	.95	1.7	1.0	.80	1.0	.96	.60	1.4	24	4.3	4.5	1.4
3	1.2	1.7	1.0	.80	1.0	.96	.73	2.5	21	3.7	3.5	1.3
4	1.2	1.3	1.1	.80	.95	.95	1.2	3.5	20	3.5	3.0	1.3
5	1.1	1.2	1.1	.90	.90	.95	1.2	2.5	18	3.2	2.8	1.3
6	1.1	1.2	1.1	1.1	.90	1.0	1.2	2.2	17	3.0	2.7	1.3
7	1.1	1.2	1.1	1.1	.95	1.0	1.7	2.0	16	3.0	2.7	1.3
8	1.1	1.4	1.0	1.1	1.0	1.0	1.4	2.0	15	3.7	2.6	2.7
9	1.3	1.4	.92	1.0	1.0	1.0	1.2	3.0	14	6.8	2.5	2.2
10	1.1	1.2	.87	.90	1.0	1.0	1.2	5.4	13	9.0	2.5	1.7
11	1.1	1.2	.92	.90	1.0	1.1	1.3	9.4	12	10	2.5	1.7
12	1.1	1.2	1.0	.90	1.0	1.0	1.2	13	11	7.2	2.5	1.4
13	1.1	1.3	1.1	.90	1.0	1.0	1.1	15	11	9.4	2.4	2.2
14	1.1	1.3	1.0	1.0	1.0	1.0	1.1	20	10	14	2.4	1.7
15	1.2	1.3	1.0	1.1	1.0	1.0	1.2	20	10	11	2.4	1.4
16	1.2	1.2	1.0	1.1	1.0	1.0	1.2	20	10	9.0	2.4	1.4
17	1.3	1.3	1.0	1.1	.90	1.1	1.2	18	9.8	8.0	2.4	1.4
18	1.3	1.3	1.0	1.1	.85	1.0	1.2	20	11	7.0	2.4	1.4
19	1.3	1.3	1.0	1.1	.83	1.0	1.1	23	10	6.5	2.4	1.4
20	1.3	1.1	1.0	1.1	.83	1.0	1.1	23	9.4	6.0	5.0	1.3
21	1.3	1.3	1.0	1.0	.83	1.1	1.1	16	9.0	5.0	8.0	1.3
22	1.3	1.4	1.1	.90	.83	1.2	1.1	14	8.6	4.5	9.0	1.4
23	1.4	1.1	.90	1.0	.83	1.2	1.2	13	8.3	4.0	8.5	1.4
24	1.4	1.1	.80	1.0	.83	1.1	1.2	14	7.9	3.8	7.0	1.4
25	1.4	1.3	.80	1.0	.83	1.2	1.4	19	7.9	3.5	4.5	1.4
26	1.7	1.1	.82	1.0	.85	1.4	1.2	22	7.5	3.3	3.5	1.4
27	2.0	1.0	.90	.95	.95	1.6	1.1	22	7.2	3.1	2.5	1.4
28	2.0	.96	.95	.92	1.0	1.7	1.1	19	6.8	5.0	2.2	1.4
29	2.0	.94	.95	.90	---	1.3	1.2	18	6.0	8.0	2.0	1.4
30	1.4	.96	.82	.90	---	1.0	1.2	18	5.7	7.5	1.8	1.4
31	1.4	---	.80	.90	---	.48	---	22	---	6.5	1.6	---
TOTAL	40.40	37.66	30.02	30.07	25.96	33.30	34.73	404.2	360.1	187.3	109.7	45.2
MEAN	1.30	1.26	.97	.97	.93	1.07	1.16	13.0	12.0	6.04	3.54	1.51
MAX	2.0	1.7	1.1	1.1	1.0	1.7	1.7	23	24	14	9.0	2.7
MIN	.95	.94	.80	.80	.83	.48	.60	1.3	5.7	3.0	1.6	1.3
AC-FT	80	75	60	60	51	66	69	802	714	372	218	90

CAL YR 1974 TOTAL 966.83 MEAN 2.65 MAX 17 MIN .80 AC-FT 1920
WTR YR 1975 TOTAL 1338.64 MEAN 3.67 MAX 24 MIN .48 AC-FT 2660

PEAK DISCHARGE (BASE, 15 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-19	2000	2.48	34	7-14	1600	2.39	29
5-26	2000	2.42	30	7-29	1300	2.46	37
7-10	1900	2.43	29	8-21	1600	2.20	20

NOTE.--No gage-height record Dec. 25 to Mar. 2 and July 17 to Sept. 3.

10242000 Coal Creek near Cedar City, Utah

LOCATION.--Lat 37°40'20", long 113°02'02", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.36 S., R.11 W., Iron County, on right bank 600 ft (183 m) downstream from powerplant, 1.2 miles (1.9 km) east of Cedar City, and 3.0 miles (4.8 km) from the mouth of Right Hand Creek.

DRAINAGE AREA.--80.9 mi² (209.5 km²).

PERIOD OF RECORD.--May to September 1915 (gage heights and discharge measurements only), October 1915 to July 1916, September 1916 to July 1918, September 1918 to November 1919, May 1935 to September 1937, April 1938 to current year. Records prior to November 1919 exclude flow of power canal; records would be equivalent if flow in canal were added.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 6,000 ft (1,829 m) from topographic map. Prior to Mar. 30, 1939, nonrecording gages and Mar. 30, 1939, to May 14, 1945, water-stage recorder, at several sites about 0.5 mile (0.8 km) upstream at various datums. May 15, 1945, to Oct. 10, 1951, May 4 to July 2, 1952, water-stage recorder at site 2 miles (3 km) upstream at different datum. July 3, 1952, to Nov. 17, 1967, water-stage recorder, at site 600 ft (183 m) upstream at different datum.

AVERAGE DISCHARGE.--39 years (1935-37, 1938-75), 31.9 ft³/s (0.903 m³/s), 23,110 acre-ft/yr (28.5 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 4,440 ft³/s (126 m³/s) July 12 (gage height, 7.50 ft or 2.286 m from floodmark); minimum daily, 5.5 ft³/s (0.156 m³/s) several days in Dec.

Period of record: Maximum discharge, 4,620 ft³/s (131 m³/s) July 23, 1969 (gage height, 11.67 ft or 3.557 m, from floodmark), based on slope-area measurement of July 16, 1967 and applied to site and datum now in use; minimum, 0.3 ft³/s (0.008 m³/s) Nov. 5, 14, 17, 26, 1959, Feb. 17, 1960, Feb. 24, 1961.

REMARKS.--Records fair. No diversion above station for irrigation. Diversion above station for municipal supply at Cedar City. Slight regulation at low flow by steam powerplant above station.

REVISION.--WSP 1714: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	8.5	7.0	5.7	11	19	19	25	280	28	14	14
2	6.4	8.5	7.5	5.8	11	20	16	26	297	27	14	14
3	6.9	8.5	8.0	6.0	11	19	17	30	232	26	14	14
4	7.6	8.7	8.0	6.5	11	20	18	33	200	26	13	14
5	7.2	8.3	7.5	7.0	10	19	18	25	182	26	13	14
6	7.2	8.3	7.0	8.0	10	18	19	21	176	25	13	14
7	7.2	8.3	6.5	8.5	11	18	17	36	149	25	12	14
8	7.0	8.7	6.3	8.5	12	17	16	37	113	25	13	28
9	7.7	8.7	6.2	7.0	14	18	14	47	102	55	13	23
10	7.5	8.3	6.0	6.0	14	18	13	64	90	85	13	19
11	7.2	8.0	6.2	6.0	13	17	14	76	85	55	13	16
12	7.4	8.0	6.7	6.0	13	15	14	76	81	70	14	15
13	7.6	8.3	7.0	6.5	14	15	13	87	78	50	14	25
14	7.6	8.5	6.5	7.5	13	15	14	104	80	42	12	20
15	7.4	8.3	6.5	9.0	13	15	14	128	78	33	12	16
16	7.6	9.2	7.5	9.5	13	16	14	138	73	28	12	13
17	7.6	11	7.0	9.5	14	16	13	128	64	27	13	11
18	7.6	11	6.5	9.5	14	16	13	125	62	26	13	10
19	7.6	10	7.5	9.5	14	17	12	140	56	25	14	10
20	7.6	9.4	8.0	9.5	15	18	12	204	54	25	16	9.8
21	7.8	9.3	8.0	8.0	15	17	16	130	51	25	39	9.6
22	7.9	9.4	6.0	8.0	13	17	22	96	48	23	18	9.5
23	7.9	9.4	5.5	9.0	14	16	22	102	45	22	15	9.4
24	8.2	8.9	5.5	11	15	16	25	85	43	22	14	9.3
25	8.1	8.9	5.5	11	16	17	27	138	41	23	14	9.2
26	8.2	8.9	5.5	11	17	16	23	182	40	24	14	9.2
27	9.3	9.1	5.5	10	17	15	19	204	37	24	14	9.2
28	9.1	8.5	6.5	9.5	18	14	18	143	35	25	14	9.0
29	9.7	7.5	6.0	9.5	---	16	18	152	33	50	14	9.0
30	9.1	7.0	5.7	9.5	---	16	23	170	30	22	14	9.0
31	8.6	---	5.7	10	---	19	---	254	---	16	14	---
TOTAL	240.3	263.4	204.8	258.0	376	525	513	3206	2935	1005	449	406.2
MEAN	7.75	8.78	6.61	8.32	13.4	16.9	17.1	103	97.8	32.4	14.5	13.5
MAX	9.7	11	8.0	11	18	20	27	254	297	85	39	28
MIN	6.4	7.0	5.5	5.7	10	14	12	21	30	16	12	9.0
AC-FT	477	522	406	512	746	1040	1020	6360	5820	1990	891	806

CAL YR 1974 TOTAL 6368.5 MEAN 17.4 MAX 126 MIN 5.5 AC-FT 12630
WTR YR 1975 TOTAL 10381.7 MEAN 28.4 MAX 297 MIN 5.5 AC-FT 20590

PEAK DISCHARGE (BASE, 550 CFS).--July 12 (2300) 4,440 cfs (7.50 ft).

NOTE.--No gage-height record June 18 to July 14.

RAFT RIVER BASIN

13077700 George Creek near Yost, Utah

LOCATION.--Lat 41°55'07", long 113°28'51", in SE¼SW¼SW¼ sec.20, T.14 N., R.14 W., Box Elder County, on right bank 1,000 ft (305 m) upstream from section corner and boundary of Sawtooth National Forest, 4.5 mi (7.2 km) southeast of Yost, 5 mi (8 km) south of Utah-Idaho State line, and 16 mi (26 km) southwest of Strevell, Idaho.

DRAINAGE AREA.--7.84 mi² (20.31 km²).

PERIOD OF RECORD.--July 1959 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,000 ft (2,134 m) from topographic map.

AVERAGE DISCHARGE.--16 years, 7.63 ft³/s (0.216 m³/s) 5,520 acre-ft/yr (6.81 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 104 ft³/s (2.95 m³/s) June 16 (gage height, 1.61 ft or 0.491 m); minimum, 1.1 ft³/s (0.031 m³/s) Oct. 17.
Period of record: Maximum discharge, 146 ft³/s (4.13 m³/s) June 10, 1963 (gage height, 1.96 ft or 0.597 m); minimum daily, 1.1 ft³/s (0.031 m³/s) several days in January and February 1962.

REMARKS.--Records good. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	2.8	1.6	1.5	2.0	1.9	1.6	2.7	83	59	5.8	6.6
2	1.4	2.7	1.6	1.5	2.0	2.0	1.6	3.1	91	57	5.4	6.0
3	1.5	2.5	1.6	1.5	2.0	1.8	1.6	4.2	71	58	4.8	5.6
4	1.5	2.1	1.6	1.5	1.8	1.8	1.6	5.4	66	58	4.3	5.6
5	1.5	2.1	1.7	1.5	1.8	1.8	1.6	4.7	62	58	4.2	5.1
6	1.4	2.1	1.6	1.5	1.8	1.8	1.6	4.0	74	52	3.9	4.5
7	1.5	2.2	1.6	1.6	1.8	1.8	1.6	3.7	84	46	3.7	4.3
8	1.4	2.2	1.6	1.5	1.8	1.8	1.5	3.5	72	42	3.8	4.4
9	2.5	2.1	1.6	1.5	1.8	1.8	1.5	4.1	58	38	3.6	4.0
10	1.6	2.2	1.6	1.5	1.7	1.8	1.5	6.0	50	38	3.6	6.5
11	1.4	1.8	1.6	1.6	1.6	1.8	1.5	11	52	37	3.6	8.1
12	1.4	2.1	1.6	1.8	1.6	1.6	1.6	14	59	37	3.5	7.1
13	1.4	2.2	1.7	1.8	1.6	1.6	2.0	17	70	31	5.6	5.8
14	1.4	2.2	1.6	1.8	1.6	1.6	2.4	28	80	27	4.0	4.9
15	1.2	2.1	1.8	1.8	1.6	1.6	2.3	39	91	21	3.6	5.1
16	1.2	1.9	1.8	1.8	1.6	1.6	2.3	44	81	18	3.6	5.3
17	1.2	1.6	1.8	1.8	1.6	1.6	2.1	43	70	16	3.3	4.5
18	1.4	1.8	1.8	1.6	1.6	1.6	2.0	42	60	14	3.5	4.1
19	1.5	1.8	1.8	1.6	1.6	1.7	1.9	41	50	13	3.4	3.9
20	1.7	1.8	1.8	1.6	1.6	1.8	2.1	36	46	11	3.6	3.6
21	2.1	1.9	1.8	1.6	1.6	1.6	2.5	31	44	11	3.5	3.2
22	2.1	2.0	1.8	1.6	1.8	1.7	3.2	24	48	9.9	3.4	3.0
23	2.4	1.6	1.7	1.6	1.8	1.6	3.6	20	55	9.1	3.6	2.8
24	2.4	1.8	1.6	1.6	1.8	1.6	3.8	19	62	7.9	3.4	2.6
25	2.3	1.8	1.6	1.8	1.8	1.7	4.4	21	67	7.1	3.5	2.4
26	2.1	1.6	1.6	1.6	1.8	1.6	3.7	22	57	6.4	3.5	2.1
27	2.2	1.7	1.6	1.6	1.8	1.6	3.3	24	51	5.6	3.4	2.1
28	3.2	1.8	1.6	1.6	1.8	2.2	3.0	27	50	5.0	3.6	1.9
29	3.7	1.7	1.6	1.6	---	1.6	2.8	29	52	7.8	3.9	1.8
30	3.3	1.5	1.6	1.8	---	1.7	2.7	44	56	8.1	5.4	1.6
31	3.1	---	1.6	1.8	---	1.8	---	68	---	7.6	6.6	---
TOTAL	58.5	59.7	51.5	50.5	48.7	53.5	68.9	685.4	1912	816.5	124.6	128.5
MEAN	1.89	1.99	1.66	1.63	1.74	1.73	2.30	22.1	63.7	26.3	4.02	4.28
MAX	3.7	2.8	1.8	1.8	2.0	2.2	4.4	68	91	59	6.6	8.1
MIN	1.2	1.5	1.6	1.5	1.6	1.6	1.5	2.7	44	5.0	3.3	1.6
AC-FT	116	118	102	100	97	106	137	1360	3790	1620	247	255
CAL YR 1974	TOTAL	2233.9	MEAN	6.12	MAX	48	MIN	1.2	AC-FT	4430		
WTR YR 1975	TOTAL	4058.3	MEAN	11.1	MAX	91	MIN	1.2	AC-FT	8050		

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or flood-flow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are generally presented in two tables. However, no records at low-flow partial-record stations are available for the 1975 water year. A table of annual maximum stage and discharge at partial-record stations is given first, followed by a table of measurements made at miscellaneous sites.

Annual maximum discharge at partial-record stations

Annual maximum discharge at partial record stations							
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Green River basin							
09318000	Huntington Creek near Huntington, Utah	Lat 39°22'17", long 111°03'43", in SW¼NE¼SE¼ sec. 6, T.17 S., R.8 E., Emery County, on left bank about 300 feet (91 m) downstream from farm road bridge, 0.9 mi (1.4 km) upstream from Fish Creek and 6.2 mi (10.0 km) northwest of Huntington.	190	1909-1975	5- 9-74 7- 9-75	3.17 5.08	361 910
Tributaries between Weber and Jordan Rivers							
10142000	Farmington Creek above diversions near Farmington, Utah	Lat 41°00'05", long 111°52'21", in NE¼NE¼ sec. 18, T.3 N., R.1 E., Davis County on right bank 1.0 mi (1.6 km) northeast of Farmington.	10.0	1949-1975	5-19-72 5-19-73 5- 9-74 6- 6-75	1.60 1.96 2.05 2.16	142 286 322 366

Discharge measurements made at miscellaneous sites during water year 1975

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Part 9 Green River basin						
Birch Spring Draw	Flaming Gorge Reservoir	Lat 40°59'08", long 109°40'00", in sec. 21, T.3 N., R.20 E., at Gravel Road crossing 3 mi (5 km) east of Manila.	24		10-16-74 3- 7-75 4-11-75 6-26-75 7-28-75	2.96 0.62 .42 11.9 16.3
Cart Creek	Flaming Gorge Reservoir	Lat 40°48'10", long 109°27'10", in sec. 20, T.1 N., R.22 E., 30 mi (48 km) north of Vernal.	28		10-16-74 6- 2-75 7-28-75	.56 122 5.89
West Fork Eagle Creek	Flaming Gorge Reservoir	Lat 40°51'50", long 109°34'35", in sec. 32, T.2 N., R.21 E., unsurveyed, 2.7 mi (4.3 km) north of Dagget/Uinta County Line.	3		10-16-74 6- 2-75 8-12-75	.28 15.4 1.70
Steinaker Ditch	Steinaker Reservoir	Lat 40°30'08", long 109°34'37", in NE¼ sec. 5, T.4 S., R.21 E., 5 mi (8 km) northwest of Vernal.	-		10-31-74 7-18-75 11-20-75	0 3.29 .45
Steinaker Feeder Canal	Steinaker Reservoir	Lat 40°29'34", long 109°35'04", in SE¼ sec. 5, T.4 S., R.21 E., 4 mi (6 km) northwest of Vernal.	-		11-27-74 2-25-75	21.6 16.7
Steinaker Draw	Steinaker Reservoir	Lat 40°32'06", long 109°31'21", in sec. 26, T.3 S., R.31 E., 2.5 mi (4.0 km) north of Steinaker Dam.	6.6		10-16-74 3- 4-75	0 .52
Brown Duck Creek 09290000	Moon Lake	Lat 40°34'30", long 110°31'00", in NE¼ sec. 13, T.2 N., R.6 W., Uinta meridian, 0.25 mi (0.40 km) upstream from mouth, and 1.5 mi (2.4 km) northwest of Moon Lake Dam.	14	1933-34 1942-55	11-14-74 5-28-75 6-11-75	2.37 14.9 54.3
Fish Creek	Moon Lake	Lat 40°34'15", long 110°29'13", in sec. 18, T.2 N., R.5 W., 0.7 mi (1.1 km) north of Moon Lake Dam.	10		11-15-74 5-28-75 7-31-75 10- 2-75 6-26-75 9- 2-75	5.88 15.1 12.4 2.75 a .80 a 3.5
Pelican Lake Outlet Canal	Green River	Lat 40°10'55", long 109°40'50", in NW¼ sec. 28, T.7 S., R.20 E., 6.5 mi (10.6 km) north of Ouray.	-		10-18-74 4-10-75 7-23-75	3.73 a .03 6.40
Lowry Creek	Joes Valley Reservoir	Lat 39°19'20", long 111°16'36", in sec. 30, T.17 S., R.6 E., 2.5 mi (4.0 km) north of Joes Valley Dam.	72		10- 9-74 6- 4-75 7- 1-75 9-10-75	10.5 281 462 21.4
Littles Creek	Joes Valley Reservoir	Lat 39°18'15", long 111°17'25", in sec. 31, T.17 S., R.6 E., 0.6 mi (1.0 km) northeast of Orange Olsen Administrative Site.	6.4		10- 9-74 6- 4-75 7- 1-75 9-10-75	.52 37.6 27.7 .40
Seely Creek	Joes Valley Reservoir	Lat 39°17'37", long 111°17'42", in sec. 6, T.18 S., R.6 E., 0.6 mi (1.0 km) west of Seely Creek Boat Ramp.	36		10- 8-74 6- 4-75 7- 1-75 9-10-75	10.8 341 220 13.8
Swasey Creek	Joes Valley Reservoir	Lat 39°15'47", long 111°17'00", in sec. 7, T.18 S., R.6 E., 1.5 mi (2.4 km) southeast of Seely Creek Campground.	6.3		10- 8-74 6- 4-75 7- 1-75 9-10-75	0 9.36 2.54 .01
North Dragon Creek	Joes Valley Reservoir	Lat 39°16'35", long 111°16'45", in sec. 8, T.18 S., R.6 E., 2.6 mi (4.2 km) southeast of Seely Creek Campground.	15		10- 8-74 6- 4-75 7- 1-75 9-10-75	0 .44 .71 0
Cottonwood ¹ Creek 09324000	San Rafael River	Lat 39°17'10", long 111°16'10", in sec. 5, T.18 S., R.6 E., 0.1 mi (0.2 km) downstream from Joes Valley Dam.	146	1953-57	10- 9-74 6- 4-75 7- 1-75 9-10-75	114 178 a 775 162

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT MISCELLANEOUS SITES

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Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Willard Creek	Willard Reservoir	Lat 41°25'12", long 112°03'05", in sec. 22, T.8 N., R.2 W., 1.2 mi (1.9 km) northwest of Willard.	5.4		11- 5-74 11-15-74 2-14-75 6- 4-75 8-11-75	2.53 1.76 2.66 29.6 8.40
Drain	Willard Reservoir	Lat 41°24'58", long 112°03'03", in NE¼ sec. 22, T.8 N., R.2 W., 1.0 mi (1.6 km) northwest of Willard.	-		11- 5-74	0.69
Drain	Willard Reservoir	Lat 41°24'29", long 112°02'59", in NE¼ sec. 27, T.8 N., R.2 W., 0.75 mi (1.2 km) west of Willard.	-		11- 5-74	.43
Drain	Willard Reservoir	Lat 41°24'22", long 112°02'57", in NE¼ sec. 27, T.8 N., R.2 W., 0.8 mi (1.3 km) west of Willard.	-		11- 5-74	.22
Drain	Willard Reservoir	Lat 41°23'47", long 112°02'42", in SE¼ sec. 27, T.8 N., R.2 W., 1 mi (1.6 km) southwest of Willard.	-		11- 5-74	1.47
Willard Reservoir Outlet Work	Great Salt Lake	Lat 41°25'16", long 112°03'39", in sec. 22, T.8 N., R.2 W., northeast corner of Willard Reservoir.	-		11- 5-74	7.19
Willard Reservoir Outlet Siphon	Great Salt Lake	Lat 41°20'29", long 112°07'40", in sec. 13, T.7 N., R.3 W., (unsurveyed) Outlet Siphon to Great Salt Lake Minerals Corp., at southwest corner of Willard Reservoir.	-		11- 5-74	13.0
Tributaries between Weber River and Jordan River						
Kays Creek	Great Salt Lake	Lat 41°02'30", long 111°59'38", in SW¼NE¼ sec. 31, T.4 N., R.1 W., Davis County, 3 mi (4.8 km) west of Kaysville.		1974	11-27-74 12-18-74 1-22-75 2- 5-75 3-12-75 5- 7-75 6-17-75 7-30-75 9-30-75	7.16 7.16 4.32 5.74 9.04 95.4 35.2 15.1 12.1
Holmes Creek	Great Salt Lake	Lat 41°01'28", long 111°57'51", in SE¼NW¼ sec. 4, T.3 N., R.1 W., Davis County, 2 mi (3.2 km) southwest of Kaysville.		1974	11-27-74 12-17-74 1-22-75 2- 5-75 3-13-75 5- 7-75 6-17-75 7-30-75	2.67 3.54 3.32 2.51 2.99 36.3 36.4 4.61
Baer Creek	Great Salt Lake	Lat 40°00'16", long 111°56'37", in SE¼SW¼ sec. 10, T.3 N., R.1 W., Davis County, 2 mi (3.2 km) south of Kaysville		1974	11-27-74 12-27-74 1-22-75 2- 5-75 3- 7-75 5- 6-75 5- 7-75 6-17-75 7-30-75	2.01 2.57 2.46 2.49 5.02 13.4 15.6 33.0 6.92

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Dirty Devil River basin						
Doctor Canyon	Fish Lake	Lat 38°32'08", long 111°44'14", in SW¼ sec. 19, T.26 S., R.2 E., 1.3 mi (2.1 km) southwest of Fish Creek Ranger Station.	2.7		10- 3-74 11-11-74 6- 4-75 10- 6-75	0.24 .25 .30 a .20
Fremont River (Lake Creek) 09329000	Dirty Devil River	Lat 38°35'36", long 111°40'27", in NE¼ sec. 34, T. 25 S., R.2 E., 10 mi (16 km) northwest of Fremont.	22	1939-45	10- 3-74 11-11-74 6- 4-75 10- 6-75	2.90 3.47 23.1 1.45
Part 10 Bear River basin						
Big Creek	Bear Lake	Lat 41°50'40", long 111°19'35", in sec. 25, T.13 N., R.5 E., at bridge on State Route 145, 1.5 mi (2.4 km) northwest of Laketown.	95		11- 4-74 6-18-75	28.2 29.8
Swan Creek 10053000	Bear Lake	Lat 41°59'06", long 111°24'35", in sec. 5, T.14 N., R.5 E., 0.2 mi (0.3 km) west of Lakota.	3.9		6-18-75 11-26-75	135 30.9
Fish Haven Creek 10054500	Bear Lake	Lat 42°02'27", long 111°23'40", in sec. 14, T.16 S., R.43 E., 0.4 mi (0.6 km) north of Fish Haven, Idaho.	12	1944-45	6-18-75 11-26-75	52.1 5.77
Indian Creek	Bear Lake	Lat 42°05'37", long 111°15'25", in sec. 25, T.15 S., R.44 E., at bridge on Highway 557/353, 1.0 mi (1.6 km) south of Turnpike, Idaho.	4.5		6-18-75	a .5
Little Creek 10055000	Bear Lake	Lat 42°07'07", long 111°23'18", in sec. 14, T.15 S., R.43 E., at bridge on U.S. Route 89 in St. Charles, Idaho.	36*	1944-45	11- 4-74 6-18-75	13.4 86.0
Weber River basin						
Carruth Canyon Creek	Echo Reservoir	Lat 40°56'40", long 111°24'55", in SW¼ sec. 32, T.3 N., R.5 E., just downstream from I-80, 2 mi (3 km) north northwest of Coalville.	-		10-16-74 5-19-75 8-12-75	.61 4.23 a .2
Grass Creek	Echo Reservoir	Lat 40°57'41", long 111°22'36", in SW¼ sec. 27, T.3 N., R.5 E., 3 mi (5 km) north northeast of Coalville.	-		10-16-74 5-19-75	.32 24.8
Weber River 10132000	Great Salt Lake	Lat 40°57'52", long 111°26'15", in sec. 30, T.3 N., R.5 E., .75 mi (1.2 km) southeast of Echo.	732	1927-58	10-16-74	20.6
South Branch South Fork Ogden River 10137600	Pineview Reservoir	Lat 41°14'50", long 111°45'45", in sec. 19, T.6 N., R.2 E., 0.5 mi (0.8 km) south of Huntsville.	170	1937-57 1959-65	10-16-74	10.0
North Branch South Fork Ogden River 10137600	Pineview Reservoir	Lat 41°15'00", long 111°45'35", in sec. 19, T.6 N., R.2 E., 0.4 mi (0.6 km) south of Huntsville.	170	1937-57 1959-65	10-16-74 5-16-75 8-11-75	7.43 552 8.16
North Fork Ogden River 10137700	Pineview Reservoir	Lat 41°17'40", long 111°49'40", in SW¼ sec. 34, T.7 N., R.1 E., at bridge on State Highway 162, 1.5 mi (2.4 km) south of Eden.	61.4	1959-65	10-16-74 5-16-75	.35 578
Middle Fork Ogden River 10137800	Pineview Reservoir	Lat 41°17'15", long 111°46'35", in NE¼ sec. 1, T.6 N., R.2 E., 2.0 mi (3.2 km) north of Huntsville.	33	1958-65	5-16-75 8-12-75	315 a 1.0

DISCHARGE MEASUREMENTS AT MISCELLANEOUS SITES

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Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Jordan River basin						
Benjamin Slough	Utah Lake	Lat 40°06'53", long 111°47'30", in SE¼ sec. 14, T.8 S., R.1 E., Utah County, at road crossing 3.3 mi (5.3 km) west of Lakeshore.	126		10-22-74 5-21-75 8-13-75	16.2 196 12.8
Hobble Creek	Utah Lake	Lat 40°11'02", long 111°38'45", in NW¼ sec. 30, T.7 S., R.3 E., at bridge on Frontage Road west of I-15, 2 mi (3.2 km) northwest of Springville.	115		10-22-74 5-20-75	48.3 428
Mill Race	Utah Lake	Lat 40°12'50", long 111°39'10", in NW¼ sec. 18, T.7 S., R.3 E., east edge Timpanogos Golf Course, 1 mi (1.6 km) south of Provo Courthouse.	-		10-23-74 5-22-75 8-13-75	15.4 9.41 15.8
Mill Race	Utah Lake	Lat 40°12'11", long 111°39'16", in SW¼ sec. 18, T.7 S., R.3 E., southbound on-ramp from University Ave., Provo, to I-15, 1.0 mi (1.6 km) south of the Municipal Golf Course.	-		10-23-74 5-21-75 8-14-75	46.1 47.4 42.5
Provo River 10155500	Deer Creek Reservoir	Lat 40°29'03", long 111°27'52", in sec. 11, T.4 S., R.4 E., 1.2 mi (1.9 km) north of Charleston.	377		10-17-74 5-23-75 8-15-75	112 1274 300
Snake Creek 10156000	Deer Creek Reservoir	Lat 40°29'10", long 111°28'00", in sec. 11, T.4 S., R.4 E., at Railroad Bridge 1.4 mi (2.3 km) north of Charleston.	32		10-17-75 5-22-75 8-15-75	58.9 77.5 48.0
Daniels Creek	Deer Creek Reservoir	Lat 40°27'40", long 111°28'15", in sec. 23, T.4 S., R.4 E., at bridge on Highway 113, 0.1 mi (0.16 km) south of Charleston.	49		10-17-74	25.4
Round Valley Creek 10158500	Deer Creek Reservoir	Lat 40°24'17", long 111°27'52", in NW¼ sec. 11, T.5 S., R.4 E., at private road crossing, 0.1 mi (0.16 km) south of State Route 222, 2.2 mi (3.5 km) northwest of Wallsburg.	72	1938-50	10-18-74 6-17-75 8-13-75	6.09 74.7 a 10.9
South Fork Provo River 10161500	Provo River	Lat 40°21'10", long 111°34'10", in SE¼ sec. 26, T.5 S., R.4 E., 1.0 mi (1.6 km) southeast of Vivian Park.	30 approx.		10-18-74 5-23-75 8-12-75	16.7 24.3 18.9
Clegg Spring	Utah Lake	Lat 40°16'30", long 111°44'30", in SW¼ sec. 20, T.6 S., R.2 E., 1000 ft (305 m) west of Orem sewage treatment plant.	-		11- 8-74 5-20-75	5.67 6.29
Pleasant Grove Waste Ditch	Utah Lake	Lat 40°20'00", long 111°45'31", in SE¼ sec. 6, T.5 S., R.2 E., 3.0 mi (4.8 km) southeast of American Fork.	-		10-18-74 5-20-75	22.8 24.6
American Fork	Utah Lake	Lat 40°25'59", long 111°44'40", in NW¼ sec. 32, T.4 S., R.2 E., at mouth 4.5 mi (7.2 km) northeast of American Fork.	-		5-12-75	94.7
American Fork	Utah Lake	Lat 40°20'36", long 112°48'05", in NE¼ sec. 35, T.5 S., R.1 E., 2.5 mi (3.0 km) south of American Fork.	63		5-20-75 8-15-75	1.49 3.50
Spring Creek	Utah Lake	Lat 40°22'05", long 111°50'07", in sec. 21, T.5 S., R.1 E., 1.4 mi (2.3 km) west of American Fork.	-		10-18-74 5-21-75	34.2 30.0
Drain	Utah Lake	Lat 40°22'05", long 111°50'30", in SW¼ sec. 21, T.5 S., R.1 E., just south of Lehi Sewage Treatment Plant.	-		10- -74	5.82
Little Cottonwood Creek	Jordan River	Lat 40°37'24", long 111°51'37", in SE¼NE¼ sec. 20, T.2 S., R.1 E., at 6600 South and 11th East 1400 ft (427 m) east of Murray City boundary.	-		5-15-75 5-18-75	35.0 53.9

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Little Cottonwood Creek	Jordan River Great Salt Lake	Lat 40°39'55", long 111°54'22", in NE¼NW¼ sec. 12, T.2 S., R.1 W., at 400 West Street 0.5 mi (0.8 km) west of Murray.	-		5-15-75	55.9
Big Cottonwood Creek	Jordan River	Lat 40°40'48", long 111°54'17", in NW¼ sec. 1, T.2 S., R.1 W., at 500 West Street 1.0 mi (1.6 km) northwest of Murray	-		5-11-75 5-14-75 5-15-75 5-18-75	115 158 211 279
Mill Creek 10170000	Jordan River	Lat 40°41'20", long 111°46'55", in NW¼SE¼ sec. 36, T.1 S., R.1 E., 1000 ft (305 m) upstream from bridge at mouth of canyon, 0.7 mi (1.1 km) east of Wasatch Blvd. and 7 mi (11 km) southeast of Salt Lake City.	21.7	1896-1968	5-10-75 5-11-75 5-14-75 5-15-75 5-17-75	18.2 29.5 36.4 41.1 55.6
Mill Creek	Jordan River	Lat 40°42'30", long 111°54'58", in NE¼ sec. 26, T.1 S., R.1 W., at 8th West Street 1.0 mi (1.6 km) west of South Salt Lake.	-		5-11-75 5-14-75 5-15-75 5-18-75	50.4 63.4 65.5 81.4
Parleys Creek 10171600	Jordan River	Lat 40°42'35", long 111°47'48", in NE¼NE¼ sec. 26, T.1 S., R.1 E., at mouth of canyon about 0.1 mi (0.2 km) upstream from Wasatch Blvd. and 6 mi (10 km) southeast of Salt Lake City.	50.7	1963-1968	5-22-75	308
Parleys Creek 10171700	Jordan River	Lat 40°43'30", long 111°52'41", in NE¼NE¼ sec. 20, T.1 S., R.1 E., in Sugar House Park 100 ft (30 m) upstream from 13th East Street in Salt Lake City.	56.7	1963-1968	5-17-75	181
Emigration Creek 10172000	Jordan River	Lat 40°45'00", long 111°48'45", in SW¼NW¼ sec. 11, T.1 S., R.1 E., at east boundry of Hogle Garden Zoo near mouth of canyon, 4 mi (6.4 km) southeast of Salt Lake City.	18	1898-1968	5-14-75 5-17-75	127 116
Emigration Creek 10172100	Jordan River	Lat 40°43'49", long 111°51'18", in NE¼SE¼ sec. 17, T.1 S., R.1 E., about 500 ft (152 m) downstream from 1300 East Street in Salt Lake City, Utah.	19	1963-1968	5-10-75	81.1
City Creek 10172500	Jordan River	Lat 40°47'33", long 111°52'35", in SW¼NE¼ sec. 30, T.1 N., R.1 E., 0.2 mi (0.3 km) upstream from Wasatch Drive and 1.2 mi (1.9 km) northeast of Utah State Capitol.	19.2	1898-1968	5-17-75 6- 3-75 6- 9-75	52.7 94.0 128
Sevier Lake basin						
Blue Spring Creek	Panguitch Lake	Lat 37°42'22", long 112°39'30", in sec. 5, T.36 S., R.7 W., just above mouth and .25 mi (.40 km) west of ranger station.	16		10-24-74 11-14-74 5-30-75 10- 2-75	3.07 9.23 24.8 7.77
Ipson Creek	Panguitch Lake	Lat 37°43'35", long 112°39'04", in sec. 33, T.35 S., R.7 W., .25 mi (.40 km) above mouth and 1.5 mi (2.4 km) north of ranger station.	11		10-24-74 11-14-74 5-30-75 10- 2-75	0.30 .20 24.7 .30
Panguitch Creek	Sevier River	Lat 37°43'40", long 112°37'10", in sec. 34, T.35 S., R.7 W., 0.6 mi (1.0 km) below Panguitch Lake.	47		10-24-74 11-14-74 5-30-75 10- 2-75	.40 a .30 18.8 .50
East Fork Sevier River	Tropic Reservoir	Lat 37°35'30", long 112°15'19", in sec. 18, T.37 S., R.4 W., 3.8 mi (6.1 km) north of Kane/Garfield County line.	74		10-25-74 5-29-75 10- 3-75	7.84 46.3 6.13

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Badger Creek	Tropic Reservoir	Lat 37°35'35", long 112°15'20", in sec. 18, T.37 S., R.4 W., 3.9 mi (6.3 km) north of Garfield/Kane County line.	5.4		10-25-74 5-29-75 10- 3-75	0.25 a .30 .25
East Fork Sevier River	Sevier River	Lat 37°36'46", long 112°14'54", in sec. 5, T.37 S., R.4 W., just below Tropic Reservoir Dam.	84		10-25-74 5-29-75 10- 3-75	2.33 3.74 9.92
Sevier River ²	Piute Reservoir	Lat 38°13'12", long 112°12'08", in sec. 9, T.30 S., R.3 W., 1.0 mi (1.6 km) northwest of Kingston.	1230 approx.		10- 7-74 11-13-74	12.4 104
East Fork ³ Sevier River	Piute Reservoir	Lat 38°13'15", long 112°11'13", in sec. 10, T.30 S., R.3 W., 0.8 mi (1.3 km) north of Kingston.	1140 approx.		10- 7-74 11-13-74 5-15-75 10-21-75	31.6 38.0 80.0 46.7

a Estimated

* Distributory channel for St. Charles Creek.

1 09234000 formerly Seeley Creek near Orangeville, Utah.

2 1 mile downstream from station 10183500.

3 3 miles downstream from station 10189000.

DISCHARGE MEASUREMENTS AT MISCELLANEOUS SITES

Compilation of data for flow through the two 15-ft (4.6 m) culverts in the Southern Pacific Transportation Co. causeway across Great Salt Lake

Part 10		Great Salt Lake basin				
Date of observation	EAST CULVERT Lat 41°13'17", long 112°33'36" 3.2 mi (5.1 km) west along the railroad causeway from the east end of the causeway			WEST CULVERT Lat 41°13'24", long 112°40'00" 8.2 mi (13.2 km) west along the railroad causeway from the east end of the causeway		
	Discharge (ft ³ /s)	Specific gravity	Temperature (°C)	Discharge (ft ³ /s)	Specific gravity	Temperature (°C)
Nov. 15, 1974	406	1.094	15.5	809	1.094	10.0
Dec. 16	459	1.085	3.0	951	1.085	3.0
Jan. 15, 1975	449	1.087	-1.5	999	1.088	-2.0
Feb. 19	505	1.058	-	857	1.078	1.5
Mar. 17	545	1.093	5.5	1,120	1.090	5.0
Apr. 15	698	1.080	9.5	0	-	-
May 15	810	1.077	17.0	1,400	1.077	18.0
June 23	1,140	1.065	20.0	1,480	-	20.0
July 15	1,060	1.072	-	1,570	1.075	25.5
Aug. 15	828	1.079	25.5	1,260	1.078	25.5
Sept. 16	675	1.081	23.0	1,120	1.082	-

Note: All water flowing from south to north and none from north to south on measurements made this year.

Section 2. Water-Quality Records

DOLORES RIVER BASIN

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09180000 DOLORES RIVER NEAR CISCO, UTAH

LOCATION.--Lat 38°47'50", long 109°11'40", in SW¼SE¼ sec.18, T.23 S., R.25 E., Grand County, at gaging station 9 mi (14 km) upstream from mouth, 13.5 mi (21.7 km) downstream from Colorado-Utah State line, and 14 mi (23 km) southeast of Cisco.

DRAINAGE AREA.--4,580 mi² (11,860 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: March 1951 to current year.

Water temperatures: March 1951 to September 1959, October 1964 to current year.

Sediment records: March 1951 to September 1964.

EXTREMES.--Current year:

Specific conductance: Maximum daily, 12,000 micromhos Oct. 1; minimum daily, 270 micromhos June 6, 17.

Water temperatures: Maximum, 24.0°C Sept. 7; minimum, freezing point on many days during December to February.

Period of record:

Specific conductance: Maximum daily, 16,200 micromhos Sept. 30; minimum daily, 254 micromhos May 8,

June 6, 1952.

Water temperatures (1951-59, 1968 to current year): Maximum, 29.0°C Aug. 14, 1958; minimum, freezing point on many days during winter period each year.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 16...	1100	13.0	92	4.5	160	40	650	38	180	0	490	1000
NOV. 25...	1100	4.0	134	5.0	140	55	550	31	206	0	390	860
JAN. 02...	1230	.0	133	8.3	150	68	1100	65	262	0	490	1800
23...	1200	.0	114	7.9	110	52	640	34	218	0	350	1000
FEB. 24...	1340	1.0	202	5.7	120	60	830	42	203	0	370	1300
MAR. 25...	1300	7.0	277	5.6	110	69	720	38	202	0	420	1100
APR. 25...	1515	13.5	6000	6.7	38	10	34	4.6	133	0	72	36
MAY 28...	1345	13.0	6200	6.4	34	7.9	19	2.6	104	0	51	18
JUNE 18...	1300	13.0	4910	5.8	31	7.1	12	1.5	88	0	45	10
JULY 18...	1230	22.5	1900	8.6	49	17	37	4.6	119	0	110	39
AUG. 25...	1300	19.0	224	8.3	110	34	600	32	143	0	210	1000
SEP. 29...	1100	15.0	95	5.8	160	79	790	41	185	0	560	1200

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO ₄) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 16...	.5	2.1	.03	190	2480	3.37	616	560	410	12	4500	7.6
NOV. 25...	.3	1.1	.25	170	2140	2.91	774	580	410	10	3800	7.7
JAN. 02...	.4	.02	.46	420	3810	5.18	1370	650	440	19	7000	8.0
23...	.3	1.1	.03	150	2310	3.14	711	490	310	13	4000	7.8
FEB. 24...	.4	.93	.06	130	2830	3.85	1540	550	380	15	5500	7.9
MAR. 25...	.5	1.8	.03	160	2570	3.50	1920	560	390	13	5000	7.8
APR. 25...	.2	.32	.06	120	269	.37	4360	140	27	1.3	420	7.3
MAY 28...	.2	.23	.06	50	192	.26	3210	120	32	.8	300	7.6
JUNE 18...	.2	.32	.00	90	158	.21	2100	110	34	.5	260	7.6
JULY 18...	.3	.52	.00	110	327	.44	1680	190	95	1.2	540	7.9
AUG. 25...	.4	2.1	.00	180	2070	2.82	1250	410	300	13	3790	7.9
SEP. 29...	.5	3.5	.00	230	2940	4.00	760	720	570	13	--	8.2

DOLORES RIVER BASIN

09180000 DOLORES RIVER NEAR CISCO, UTAH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12000	---	4960	5830	---	---	---	445	385	310	1960	3600
2	8800	---	4310	7000	4120	3670	3650	439	380	320	---	4000
3	7900	---	4350	5990	4180	4490	4070	---	---	---	2000	4400
4	8300	---	4490	---	4300	3500	3900	380	310	320	2070	4500
5	---	3640	6700	---	4400	3700	---	348	290	---	2180	5000
6	9700	---	---	5950	---	3830	4950	351	270	310	2030	---
7	10000	3400	---	---	---	3120	4800	368	---	510	2260	4900
8	9700	4190	11000	---	---	---	4650	446	300	375	2600	5700
9	9200	---	5190	---	---	3900	4600	461	300	400	---	6000
10	8800	3960	6100	---	---	3300	2080	---	290	405	---	6500
11	6200	3800	---	---	---	---	2000	390	310	550	2830	6400
12	---	3890	7250	5180	---	2810	---	305	340	---	2770	6500
13	5600	4400	4400	5390	4010	2510	1950	310	380	710	2850	---
14	4500	4950	---	5400	---	3040	2310	298	---	445	3000	7000
15	4830	5870	5900	5000	---	---	2630	290	330	510	2690	5600
16	4810	---	5590	5620	4600	2840	2460	307	300	560	---	---
17	4800	4280	4940	4320	4080	3300	2440	---	270	575	2600	1750
18	4920	---	4030	---	3750	3780	1640	277	280	520	2280	1760
19	4920	4900	3850	5950	---	4110	---	280	300	---	2070	2100
20	4700	4870	3620	---	4000	4700	760	282	320	560	---	---
21	4490	5490	---	---	4840	5220	725	287	---	660	2250	---
22	4510	6200	4610	---	---	---	775	299	440	780	2580	3650
23	4550	---	4790	4000	5700	5180	980	312	455	980	---	3700
24	4680	4000	5350	4360	5180	5500	675	357	460	940	3190	3700
25	4920	3900	6100	---	---	4750	515	---	430	1030	4390	4200
26	4800	3810	5630	4600	5950	---	---	390	---	---	3200	4950
27	4880	4180	---	4620	5100	---	415	350	345	1300	1880	---
28	---	4730	---	4700	6100	2890	390	320	---	1390	2380	5100
29	---	4790	4250	4710	---	---	415	331	320	1480	2700	5000
30	---	---	---	---	---	3780	465	340	320	1680	3260	4800
31	---	---	5640	---	---	3740	---	---	---	2000	---	---
MONTH	6500	---	---	---	---	---	2170	345	339	754	---	4620

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.0	---	1.0	0.0	---	---	---	11.0	15.0	19.0	21.5	22.0
2	16.0	---	1.0	0.0	0.0	7.5	8.5	11.0	15.0	19.0	---	22.0
3	14.0	---	1.0	0.0	0.0	8.5	9.5	---	---	---	22.0	22.0
4	15.5	---	1.0	---	0.0	10.0	10.5	11.0	15.0	20.0	22.0	21.0
5	---	8.0	1.0	---	0.0	9.0	---	9.0	15.0	---	22.0	22.0
6	14.5	---	---	0.0	---	8.0	10.0	10.0	15.0	21.0	22.5	---
7	15.5	8.0	---	---	---	10.5	11.0	10.0	---	20.5	23.0	24.0
8	15.5	8.0	4.0	---	---	---	11.0	9.0	14.5	20.5	23.0	23.0
9	15.5	---	4.0	---	---	11.0	9.5	11.0	14.0	19.5	---	22.5
10	16.5	7.5	3.0	---	---	11.0	11.0	---	12.0	19.0	---	22.5
11	15.0	7.0	---	---	---	---	11.0	14.0	14.0	20.5	23.5	22.5
12	---	7.5	1.0	0.0	---	12.0	---	14.0	14.0	---	23.0	23.0
13	14.0	8.0	1.0	0.0	0.0	10.0	12.0	14.0	15.0	20.0	22.5	---
14	12.5	7.5	---	0.0	---	9.0	12.0	15.0	---	20.0	22.0	23.0
15	12.0	7.0	2.5	0.0	---	---	12.5	14.0	18.0	19.5	22.0	23.0
16	12.5	---	2.0	0.0	5.0	9.0	14.0	14.0	18.0	19.5	---	---
17	12.5	7.5	1.0	---	5.0	9.0	10.0	---	18.0	20.0	22.0	22.0
18	15.0	---	1.0	---	5.0	10.0	10.5	14.0	12.0	20.5	22.5	22.0
19	14.5	7.5	1.0	0.0	---	10.5	---	12.0	12.0	---	22.0	22.0
20	15.5	7.0	1.0	---	5.0	11.0	12.0	11.0	14.0	21.5	---	---
21	12.5	7.0	---	---	4.0	11.5	12.5	11.5	---	22.0	21.0	---
22	12.0	7.0	1.0	---	---	---	14.5	11.0	15.0	22.0	21.0	17.0
23	12.0	---	---	0.0	5.0	11.0	14.0	11.0	17.0	22.0	---	17.0
24	10.0	6.0	0.0	0.0	5.5	9.5	11.0	11.5	17.0	22.0	21.0	17.0
25	12.5	5.0	0.0	---	---	8.5	11.0	---	17.0	22.5	22.0	17.0
26	14.0	5.0	0.0	0.0	7.0	---	---	11.0	---	---	22.0	18.5
27	12.5	4.5	---	0.0	7.5	---	11.0	11.5	17.5	21.5	22.5	---
28	---	4.0	---	0.0	7.5	7.5	11.0	12.0	---	22.5	22.0	18.0
29	---	4.0	0.0	0.0	---	---	10.5	12.0	18.0	22.5	22.0	18.0
30	---	---	---	---	---	6.5	11.5	13.5	18.0	22.5	22.0	17.0
31	---	---	0.0	---	---	8.5	---	---	---	22.0	---	---
MONTH	14.0	---	---	---	---	---	11.5	12.0	15.5	21.0	---	21.0

09180500 COLORADO RIVER NEAR CISCO, UTAH
(National stream-quality accounting network station)

LOCATION.--Lat 38°48'38", long 109°17'34", in NW¼NW¼ sec.17, T.23 S., R.24 E., Grand County, at gaging station 1 mi (2 km) downstream from Dolores River, 11 mi (18 km) south of Cisco, 36 mi (58 km) downstream from Colorado-Utah State line, 97 mi (156 km) upstream from Green River, and 235 mi (378 km) upstream from San Juan River.

DRAINAGE AREA.--24,100 mi² (62,420 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: August 1928 to current year.

Water temperatures: May 1949 to September 1959, October 1964 to current year.

Sediment records: May 1930 to current year.

EXTREMES.--Current year:

Specific conductance: Maximum daily, 2,000 micromhos Sept. 13; minimum daily, 340 micromhos July 11.

Water temperatures: Maximum, 23.0°C Aug. 8, 9, 11-13; minimum, freezing point on many days during December to February.

Sediment concentrations: Maximum daily, 6,300 mg/l April 24; minimum daily, 8 mg/l Jan. 27.

Sediment discharge: Maximum daily, 200,000 tons (181,400 tonnes) May 20; minimum daily, 74 tons (67 tonnes) Dec. 27.

Period of record:

Specific conductance (1941-52, 1953 to current year): Maximum daily, 4,820 micromhos Dec. 13, 1957; minimum daily, 291 micromhos May 31, 1953.

Water temperatures (1949-52, 1953-59, 1964 to current year): Maximum, 29.0°C July 29, 1966; minimum, freezing point on many days during winter period each year.

Sediment concentrations: Maximum daily, 69,000 mg/l Oct. 27, 1951; minimum daily, 4 mg/l Aug. 22, 1960.

Sediment discharge: Maximum daily, 2,790,000 tons (2,531,000 tonnes) Oct. 14, 1941; minimum daily, 14 tons (13 tonnes) Aug. 22, 1960.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)
OCT.									
22...	0930	13.0	3250	9.9	140	46	150	6.6	204
22...	1000	13.0	3240	9.9	140	48	160	6.5	204
NOV.									
20...	1100	5.0	4380	11	100	36	140	5.1	191
DEC.									
18...	0830	.0	3940	9.9	96	33	140	4.8	194
JAN.									
22...	1100	.0	3600	11	96	33	160	6.7	192
FEB.									
20...	0930	3.0	3720	8.9	92	39	150	5.4	187
MAR.									
19...	1045	7.0	3820	9.0	81	32	130	5.0	177
APR.									
22...	1250	12.0	6930	8.8	61	20	59	3.8	146
MAY									
21...	1130	11.5	27000	7.9	37	9.5	17	2.6	106
JUNE									
17...	1330	15.5	27000	7.2	40	10	18	1.6	99
JULY									
24...	1200	21.5	9040	9.6	75	22	60	3.6	135
AUG.									
20...	1200	20.0	2970	9.8	130	44	140	6.4	208
SEP.									
17...	1130	19.0	4200	13	150	49	130	6.1	222

DATE	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
OCT.									
22...	1	450	160	.5	--	--	--	--	--
22...	2	490	150	.5	1.1	.86	2.0	.03	1170
NOV.									
20...	0	330	150	.3	.77	.45	1.2	.07	912
DEC.									
18...	0	290	160	.3	.66	.37	1.0	.03	855
JAN.									
22...	0	290	200	.3	.85	1.3	2.2	.16	913
FEB.									
20...	0	340	160	.3	.88	.81	1.7	.05	910
MAR.									
19...	0	270	160	.2	.58	.96	1.5	.30	796
APR.									
22...	0	150	57	.2	.10	1.9	2.0	.57	455
MAY									
21...	0	59	13	.1	.35	1.6	2.0	.29	222
JUNE									
17...	0	71	13	.1	.28	1.0	1.3	.21	217
JULY									
24...	1	190	62	.3	.49	.55	1.0	.19	518
AUG.									
20...	9	460	140	.4	.85	.52	1.4	.06	1070
SEP.									
17...	0	540	98	.4	1.3	1.9	3.2	.49	1120

COLORADO RIVER MAIN STEM

09180500 COLORADO RIVER NEAR CISCO, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)
OCT.								
22...	1070	1.46	9390	540	370	2.8	1480	8.5
22...	1110	1.54	10200	550	380	3.0	1480	8.5
NOV.								
20...	866	1.24	10800	400	240	3.1	1340	7.9
DEC.								
18...	830	1.13	8830	380	220	3.1	1270	8.3
JAN.								
22...	892	1.21	8670	380	220	3.6	1460	8.1
FEB.								
20...	888	1.21	8920	390	240	3.3	1320	7.9
MAR.								
14...	774	1.05	7980	330	190	3.1	1220	7.8
APR.								
22...	432	.62	8510	230	120	1.7	660	8.4
MAY								
21...	198	.30	16200	130	45	.6	330	8.3
JUNE								
17...	210	.30	15800	140	60	.7	350	7.9
JULY								
24...	490	.70	12600	280	170	1.6	800	8.4
AUG.								
20...	1040	1.46	8580	510	320	2.7	1550	8.5
SEP.								
17...	1100	1.52	12700	580	390	2.4	1520	8.1

DATE	TIME	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT.				
22...	1000	--	24	140
NOV.				
20...	1100	--	20	33
DEC.				
18...	0830	--	2	22
JAN.				
22...	1100	--	5	17
FEB.				
20...	0930	--	2	11
MAR.				
14...	1045	--	24	57
APR.				
22...	1250	--	55	200
MAY				
21...	1130	--	460	300
JUNE				
17...	1330	--	220	430
JULY				
24...	1200	--	130	310
AUG.				
20...	1200	--	40	78
SEP.				
17...	1130	--	250	240

DATE	TIME	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)
OCT.												
22...	1000	410	20	20	0	--	2	10	0	0	0	<50
JAN.												
22...	1100	5100	10	160	20	3	1	20	0	0	0	50
APR.												
22...	1250	19000	20	500	10	14	1	<10	0	10	0	<50
JULY												
24...	1200	3600	10	150	0	--	4	<10	0	0	0	<50

DATE	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT.											
22...	0	<10	3	<100	1	--	.0	14	14	40	30
JAN.											
22...	1	1900	2	100	4	.0	.0	--	8	50	20
APR.											
22...	2	30	2	<100	2	.1	.0	7	5	150	10
JULY											
24...	0	20	3	<100	3	.0	.0	5	3	60	20

COLORADO RIVER MAIN STEM

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09180500 COLORADO RIVER NEAR CISCO, UTAH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1730	1560	1250	1380	1020	1140	1240	636	550	490	1100	1600
2	1700	1530	1340	1470	1010	1200	1420	680	570	490	1040	1650
3	1740	1520	1250	1430	1080	1210	1300	719	---	---	1110	1590
4	1750	1440	1340	1440	1040	---	1260	719	520	480	1010	1650
5	1760	1440	1460	---	1150	1220	---	682	480	470	1080	1680
6	1780	1470	1340	1390	1210	1250	1200	692	460	490	1060	1720
7	1860	1420	---	1210	1150	1080	1250	681	460	370	1130	1700
8	1850	1340	1400	---	1120	1070	1220	699	440	520	1220	1740
9	1840	1230	1320	1230	---	1070	1280	710	450	510	1320	1700
10	1820	1260	1240	1160	1080	1160	1080	710	430	530	1260	1730
11	1750	1280	1400	1200	1120	1260	1000	675	450	340	1330	1800
12	1720	1470	1400	1200	---	1320	1100	650	490	540	1270	1780
13	1750	1420	1260	1280	1260	1180	1140	603	500	605	1340	2000
14	1700	1400	1300	1220	---	1210	980	568	560	630	1460	1820
15	1700	1420	1340	1180	---	---	1190	531	520	650	1350	1550
16	1680	1390	1320	1170	1170	1150	1300	542	425	660	1380	1560
17	1670	1340	1200	1240	1260	1110	1380	518	440	700	1360	1500
18	1640	---	1200	1120	1190	1180	1380	488	430	665	1340	1460
19	---	1350	1290	1260	1220	1280	940	471	460	660	1330	1500
20	1660	1380	1260	---	1260	1240	860	485	470	670	1440	1530
21	1650	1380	1260	---	1260	1180	830	450	510	720	1400	1520
22	1660	1440	---	---	1230	1200	825	438	530	800	1440	1520
23	1640	1360	1240	1230	1200	1210	890	450	570	800	1510	1500
24	1620	1340	1180	1130	1200	1260	870	472	580	810	1560	1480
25	1670	1360	1340	---	---	1330	795	507	550	830	1740	1510
26	1630	1340	1360	1060	1220	---	730	514	535	880	1620	1600
27	1640	1270	1300	829	1330	---	660	499	520	910	1460	1560
28	1590	1300	1320	1090	1360	1230	690	501	530	950	1490	1590
29	1590	1260	1420	1180	---	1180	675	498	520	1000	1560	1570
30	1650	1250	1280	---	---	1170	670	537	500	1020	1600	1550
31	1600	---	1340	1080	---	1090	---	557	---	1040	---	---
MONTH	1700	1380	1310	---	1180	1360	1040	577	498	674	1340	1620

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.0	10.0	1.0	0.0	0.0	6.5	7.5	12.0	15.0	19.0	21.0	22.0
2	14.5	10.0	1.0	0.0	0.0	6.5	8.5	12.0	15.0	19.0	21.0	21.5
3	14.0	8.0	1.0	0.0	0.0	8.0	9.0	12.0	---	---	21.0	22.0
4	15.0	10.0	1.0	0.0	0.0	8.0	10.0	12.0	15.0	19.0	21.0	20.5
5	14.0	8.0	1.0	---	0.0	7.0	---	10.0	16.0	18.5	21.0	21.5
6	14.0	8.0	1.0	0.0	0.0	7.0	10.0	10.5	16.0	21.0	21.0	22.0
7	15.0	8.0	---	0.0	0.0	9.0	10.0	10.5	---	21.0	22.0	21.0
8	15.0	8.0	4.0	---	0.0	9.0	10.0	11.0	14.0	21.0	23.0	21.0
9	15.0	8.0	3.5	0.0	0.0	10.0	9.0	12.5	14.0	20.0	23.0	20.5
10	16.0	7.0	3.0	0.0	0.0	8.0	10.0	12.5	12.0	19.5	22.0	20.0
11	15.0	7.0	1.0	0.0	0.0	---	10.0	14.0	14.0	20.0	23.0	20.5
12	15.0	8.0	1.0	0.0	0.0	11.0	10.0	14.0	14.0	19.5	23.0	20.5
13	14.0	8.0	1.0	0.0	0.0	9.0	11.0	14.0	15.0	20.0	23.0	20.0
14	14.0	7.5	2.5	0.0	---	9.0	11.0	15.0	16.0	20.5	22.0	20.0
15	12.5	7.0	2.0	0.0	---	---	12.0	15.0	17.0	20.0	22.0	19.0
16	14.0	7.0	2.0	0.0	4.0	9.0	12.5	14.0	18.0	20.0	22.0	19.0
17	14.0	8.0	2.0	0.0	4.0	9.0	12.5	14.5	18.0	20.0	21.0	20.0
18	15.0	---	2.0	0.0	4.0	9.5	10.0	12.0	12.5	20.0	21.5	20.0
19	---	7.5	2.0	0.0	4.0	10.0	10.5	14.0	12.0	20.0	21.5	20.0
20	15.0	7.5	2.5	---	4.0	10.0	11.0	11.0	16.0	21.0	21.0	20.0
21	12.5	7.0	2.5	---	3.0	11.0	12.5	12.0	14.5	21.5	20.5	19.0
22	12.5	7.0	---	---	3.0	11.0	14.0	11.0	16.0	21.5	21.0	17.0
23	12.5	7.0	2.0	0.0	4.0	10.0	14.0	11.0	18.0	21.5	21.0	16.0
24	11.0	6.0	0.0	0.0	5.0	9.0	14.0	12.0	18.0	18.0	21.5	16.0
25	14.0	5.0	0.0	---	---	8.5	14.0	12.0	17.0	22.0	21.0	16.0
26	14.0	5.0	0.0	0.0	6.0	---	14.0	11.0	18.0	21.0	22.0	18.0
27	12.5	4.5	0.0	0.0	6.0	---	11.0	11.0	18.0	21.0	22.0	16.0
28	11.5	4.0	0.0	0.0	6.5	6.0	11.0	12.0	17.0	21.5	22.0	18.0
29	11.0	4.5	0.0	0.0	---	7.0	10.0	12.0	18.5	22.0	21.5	18.0
30	10.5	3.0	0.0	---	---	6.5	11.0	14.0	18.0	21.0	21.5	17.0
31	10.0	---	0.0	0.0	---	7.0	---	14.0	---	21.0	---	---
MONTH	13.5	7.0	1.5	---	2.0	8.5	11.0	12.5	16.0	20.5	21.5	19.5

SUSPENDED-SEDIMENT DISCHARGE (TUNS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER			NOVEMBER			DECEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TUNS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TUNS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TUNS/DAY)
1	2890	123	960	4240	247	3290	4020	49	532
2	2870	121	938	4260	300	3450	3580	32	309
3	2900	93	728	4460	685	4250	3500	20	189
4	2920	96	757	4490	353	4280	3730	33	332
5	3010	90	731	4200	441	5000	4160	38	427
6	3060	92	760	4620	400	4990	4260	40	460
7	3020	100	815	4550	319	3920	4270	50	576
8	3100	100	837	4770	239	3080	4490	53	643
9	3140	106	899	4810	200	2600	3670	21	208
10	3090	74	617	4740	186	2380	3190	16	138
11	3080	108	898	4420	237	2830	3630	30	294
12	3130	100	845	4490	186	2250	3360	34	308
13	3240	97	849	4450	158	1900	3780	30	306
14	3420	85	785	4240	105	1200	3820	20	206
15	3480	84	789	4380	89	1050	3860	16	167
16	3490	72	678	4460	80	963	3750	23	233
17	3480	65	611	4300	84	975	3430	46	426
18	3410	55	506	4200	70	794	3940	20	213
19	3380	55	502	3980	61	656	3980	40	430
20	3320	55	493	4260	121	1390	4040	30	327
21	3290	60	533	4240	86	985	3980	20	215
22	3250	40	351	4230	90	1030	3920	20	212
23	3400	28	257	4410	80	953	3650	20	197
24	3770	1460	14900	4330	83	970	3140	20	170
25	3570	550	5300	4380	73	863	3520	11	105
26	3530	150	1430	4000	59	637	3400	11	101
27	3600	72	700	4360	53	624	2480	11	74
28	3930	1400	14900	4410	58	691	3050	10	82
29	3960	1700	18200	4260	46	529	3550	10	96
30	3990	780	8400	3590	50	485	3550	10	96
31	4060	300	3290	---	---	---	3180	20	172
MONTH	103780	---	83259	130530	---	63015	113880	---	8244
DAY	JANUARY			FEBRUARY			MARCH		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TUNS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TUNS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TUNS/DAY)
1	3590	50	485	4100	58	642	3930	60	637
2	3520	115	1090	4000	87	940	4150	65	728
3	3030	12	94	3500	60	567	3900	205	2160
4	3550	12	115	3100	66	552	3570	233	2250
5	3630	12	118	3800	40	410	4120	223	2480
6	3780	12	122	3900	85	895	4230	300	3430
7	3800	35	359	4000	105	1130	4630	450	5630
8	4400	35	416	3600	33	321	4790	900	11600
9	4300	35	406	3700	60	599	4040	620	6760
10	4300	35	406	3600	136	1320	4630	553	6910
11	3700	76	759	3800	230	2360	4530	500	6120
12	3900	76	800	4200	200	2270	4880	1420	18700
13	3400	300	2750	3600	176	1710	4380	1200	14200
14	3500	258	2440	3600	200	1940	4320	820	9560
15	3600	50	486	4100	200	2210	3980	500	5370
16	3900	71	748	4000	227	2450	4280	380	4390
17	4090	21	232	3700	144	1440	4000	400	4320
18	4300	83	964	3600	85	826	3360	437	3960
19	3700	87	869	3530	70	667	3820	436	4500
20	3400	80	734	3720	67	673	3820	300	3090
21	3300	60	535	3740	80	808	3610	264	2570
22	3600	50	486	3780	100	1020	3600	300	2920
23	4100	45	498	3720	112	1120	3520	200	1900
24	3800	42	431	3670	46	456	3280	191	1690
25	4000	50	540	2850	40	308	3080	180	1500
26	3900	52	548	3760	39	396	3210	160	1390
27	3600	8	78	3800	51	523	3690	156	1550
28	3900	26	274	4000	53	572	3770	180	1830
29	4500	92	1120	---	---	---	3930	250	2650
30	4500	80	972	---	---	---	3260	100	880
31	4300	71	824	---	---	---	2910	76	597
MONTH	118690	---	20703	104470	---	29125	121220	---	136272

09180500 COLORADO RIVER NEAR CISCO, UTAH--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	APRIL				MAY				JUNE			
	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)			
1	3170	100	856	5360	1380	31100	16600	795	35600			
2	3450	182	1940	8120	979	21500	16100	862	37500			
3	3090	115	1150	8490	1000	22900	18000	900	43700			
4	3160	80	683	9380	1200	30400	20600	1210	67300			
5	3740	500	5050	11000	1950	57900	23200	1350	84600			
6	3990	550	5930	11300	1800	54900	25300	1400	95600			
7	4170	500	5630	10000	1220	32900	27500	1350	100000			
8	3940	250	2660	8810	1180	28100	28300	1350	103000			
9	4940	580	7740	8030	625	13600	29200	2000	158000			
10	4540	500	6130	8180	800	17700	28600	1450	112000			
11	4150	390	4370	9500	1300	33300	25300	910	62200			
12	4140	350	3910	12300	2200	73100	21400	790	45600			
13	5100	313	4310	15000	3000	127000	18600	746	37500			
14	3660	355	3510	15600	2450	103000	17600	800	38000			
15	2980	224	1800	17400	2700	127000	20100	1010	54800			
16	2890	192	1500	20000	3000	162000	24400	1050	69200			
17	3340	400	3610	22000	3140	187000	27300	1660	122000			
18	6310	2000	34100	23600	3000	191000	26100	893	62900			
19	7650	4200	86800	23700	2900	186000	23600	634	40400			
20	7250	2800	54800	23900	3100	200000	20800	731	41100			
21	6780	1450	26500	25200	2540	173000	18000	700	34000			
22	6950	1650	31000	26600	1850	133000	16200	704	30800			
23	8190	4800	106000	29000	1450	97900	15300	547	22600			
24	9440	6300	161000	21600	1230	71700	14900	513	20600			
25	11200	5000	151000	18700	1200	60600	15900	570	24500			
26	13500	3800	139000	18100	1210	59100	18100	829	40500			
27	15000	4200	170000	17300	1500	78200	17500	569	26900			
28	12600	2950	100000	21100	2000	114000	16900	500	22800			
29	10500	2050	58100	20400	1770	97500	17700	485	23200			
30	9180	1300	32200	19600	1020	54000	17700	528	25200			
31	---	---	---	17500	900	42500	---	---	---			
MONTH	190100	---	1211279	507770	---	2676900	626800	---	1682100			
DAY	JULY				AUGUST				SEPTEMBER			
	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)			
1	17700	550	26300	6620	582	10400	2570	31	215			
2	16100	669	32700	5940	400	6420	2450	28	185			
3	18800	800	40600	5490	224	3320	2360	26	166			
4	19400	881	46100	5430	222	3250	2270	21	129			
5	19400	850	44500	5010	161	2180	2210	24	143			
6	18900	841	42900	4570	163	2010	2250	23	140			
7	18800	689	34600	4140	128	1430	2280	22	135			
8	17500	1200	56700	3820	112	1160	2330	24	151			
9	18000	2500	122000	3650	100	985	2360	22	140			
10	17700	2810	134000	3690	100	996	2390	28	181			
11	16900	1700	77600	3480	100	940	2620	80	566			
12	15800	1400	59700	3290	106	942	2820	116	883			
13	14900	2850	115000	3180	80	687	3440	700	6500			
14	12900	1550	54000	3420	700	6460	3610	1500	14600			
15	12200	1040	34300	3590	600	5820	4020	1550	16800			
16	12900	1490	51900	3900	250	2630	4030	1200	13100			
17	13600	2820	104000	3700	150	1500	3950	1300	13900			
18	13700	2600	96200	3520	145	1380	3720	800	8040			
19	12500	800	27000	3250	153	1340	3630	290	2840			
20	11500	560	17400	3050	140	1150	3650	250	2460			
21	10600	469	13400	2950	128	1020	3640	220	2160			
22	10200	553	15200	3000	99	802	3610	215	2100			
23	9470	829	21200	3250	133	1170	3520	227	2160			
24	8840	300	7030	3320	148	1330	3450	170	1580			
25	7860	411	8720	3160	287	2450	3420	137	1270			
26	7060	300	5720	2880	130	1010	3350	123	1110			
27	6690	247	4460	2670	115	829	3380	100	913			
28	6580	197	3500	2550	84	578	3390	93	851			
29	6300	200	3400	2560	80	553	3310	148	1320			
30	5910	209	3340	2530	60	410	3320	164	1470			
31	6260	227	3840	2520	40	272	---	---	---			
MONTH	406610	---	1307310	114130	---	65424	93350	---	96208			
YEAR	2631530		7379839									

COLORADO RIVER MAIN STEM

09180500 COLORADO RIVER NEAR CISCO, UTAH--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- CHARGE (CFS)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
OCT. 29...	1745	11.0	3800	1710	17400	24	27
MAY. 19...	1405	8.0	4200	479	5510	56	64
APR. 23...	1330	11.5	4530	5230	120000	36	39
MAY 05...	1520	8.0	11400	378	11600	18	23
23...	1430	14.0	25300	1120	76500	27	28
JULY 24...	1305	21.5	8710	300	7060	27	32
SEP. 23...	1330	16.0	3500	138	1300	69	75

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
OCT. 29...	61	95	99	100	--	--
MAY. 19...	84	98	99	100	--	--
APR. 23...	65	94	99	100	--	--
MAY 05...	--	59	75	97	100	--
23...	41	72	90	95	99	100
JULY 24...	53	80	88	95	100	--
SEP. 23...	88	99	99	100	--	--

COLORADO RIVER MAIN STEM

317

09182880 COLORADO RIVER AT U-163, NEAR MOAB, UTAH

LOCATION.--Lat 38°36'14", long 109°34'38", in SW¼NW¼ sec.26, T.25 S., R.21 E., Grand County, at bridge on State Highway U-163, 2.1 mi (3.4 km) northwest of Moab.

PERIOD OF RECORD.--Chemical analyses: February 1974 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)
OCT. 22...	1430	14.0	3240	10	140	47	140	6.0	204	1	490
NOV. 18...	1545	7.5	4380	11	110	37	130	4.1	193	--	330
DEC. 17...	1445	2.0	3940	10	100	35	130	5.3	159	--	330
JAN. 22...	1330	.0	3600	11	88	31	130	5.3	183	0	260
FEB. 18...	1500	4.0	3720	9.2	83	34	140	5.3	176	0	300
MAR. 19...	1440	10.0	3820	9.3	80	32	130	5.7	185	0	260
APR. 22...	1620	12.5	6930	9.5	57	21	64	3.7	150	0	160
MAY 19...	1540	13.5	24000	8.9	39	11	22	2.7	111	0	69
JUNE 17...	1600	16.0	27000	8.3	42	11	22	1.7	107	0	79
JULY 22...	1245	23.0	9040	9.8	70	21	53	2.8	129	2	180
AUG. 20...	1400	21.5	2970	11	130	44	120	5.6	211	6	470
SEP. 17...	1515	21.0	4200	13	150	50	130	6.5	223	--	490

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT. 22...	130	.85	.13	.59	.46	1.4	.02	1150	1060	1.56
NOV. 18...	110	.85	.13	.34	.21	1.2	.07	906	827	1.23
DEC. 17...	160	.88	.43	.56	.13	1.4	.03	894	849	1.22
JAN. 22...	170	.72	.40	.73	.33	1.5	.03	802	786	1.09
FEB. 18...	150	.96	.31	.77	.46	1.7	.09	817	808	1.11
MAR. 19...	150	.62	.15	.70	.55	1.3	.16	776	758	1.06
APR. 22...	57	.16	.05	1.3	1.3	1.5	.63	476	446	.65
MAY 19...	17	.42	.07	2.2	2.1	2.6	.47	241	224	.33
JUNE 17...	16	.24	.01	.38	.37	.62	.11	249	233	.34
JULY 22...	47	.42	.03	.30	.27	.72	.28	474	449	.64
AUG. 20...	100	.97	.00	.55	.55	1.5	.06	999	991	1.36
SEP. 17...	120	1.5	.00	1.4	1.4	2.9	.33	1160	1070	1.58

COLORADO RIVER MAIN STEM

09182880 COLORADO RIVER AT U-163, NEAR MOAB, UTAH--Continued

DATE	UIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS- SOLVED OXYGEN (MG/L)
OCT. 22...	10100	540	370	2.6	1570	8.4	1.3	15	4.5	9.2
NOV. 18...	10700	430	270	2.7	1280	8.4	1.2	9	3.9	10.2
DEC. 17...	9030	390	260	2.9	1370	8.3	1.3	7	3.4	--
JAN. 22...	7640	350	200	3.0	1270	8.1	2.3	4	4.8	12.2
FEB. 18...	8120	350	200	3.3	1300	7.8	4.5	27	2.0	10.6
MAR. 19...	7820	330	180	3.1	1220	8.0	3.0	19	5.8	9.5
APR. 22...	8910	230	110	1.8	680	8.4	1.0	31	12	8.0
MAY 19...	15600	140	52	.8	380	8.2	1.1	66	37	11.7
JUNE 17...	18200	150	62	.8	400	7.9	2.2	22	8.2	8.3
JULY 22...	11600	260	150	1.4	730	8.3	1.1	16	7.3	7.1
AUG. 20...	8010	510	320	2.3	1510	8.6	.9	9	4.7	7.5
SEP. 17...	13200	580	400	2.3	1635	--	--	28	8.8	7.2

COLORADO RIVER MAIN STEM

319

09183210 COLORADO RIVER ABOVE MILL CREEK, NEAR MOAB, UTAH

LOCATION.--Lat 38°34'31", long 109°34'41", in SW¼NW¼ sec.2, T.2S S., R.21 E., Grand County, 1.3 mi (2.1 km) west of Moab, and 0.2 mi (0.3 km) upstream from mouth of Mill Creek.

PERIOD OF RECORD.--Chemical analyses: February 1974 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
OCT. 22...	1600	14.0	3240	10	140	51	150	6.2	208	0	520
NOV. 18...	1630	7.5	4380	11	110	38	130	4.4	197	0	340
DEC. 17...	1600	2.0	3940	10	100	35	130	5.3	195	0	320
JAN. 22...	1440	.0	3600	12	88	29	140	5.5	188	0	260
FEB. 18...	1600	4.0	3720	9.2	83	33	140	5.2	184	0	160
MAR. 19...	1555	10.0	3820	9.3	79	32	140	5.2	184	0	260
APR. 22...	1520	13.0	6930	9.4	62	20	67	3.8	155	0	160
MAY 19...	1630	13.5	24000	8.8	39	11	23	2.7	112	0	72
JUNE 17...	1700	16.0	27000	8.2	41	12	22	1.7	108	0	80
JULY 22...	1410	23.0	9040	9.8	72	22	50	2.8	14	0	190
AUG. 20...	1545	21.5	2970	10	130	43	120	5.6	211	7	430
SEP. 17...	1615	21.0	4200	13	150	50	140	6.6	228	--	520

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT. 22...	140	1.0	.07	.50	.43	1.5	.03	1160	1120	1.58
NOV. 18...	120	.89	.13	.34	.21	1.2	.10	920	850	1.25
DEC. 17...	160	.89	.43	.56	.13	1.5	.03	902	856	1.23
JAN. 22...	170	.76	.42	.80	.38	1.6	.04	810	797	1.10
FEB. 18...	260	.98	.31	.77	.46	1.8	.09	826	781	1.12
MAR. 19...	150	.65	.16	.39	.23	1.0	.16	790	766	1.07
APR. 22...	59	.19	.03	1.3	1.3	1.5	.64	483	458	.66
MAY 19...	17	.42	.02	2.2	2.2	2.6	.64	247	229	.34
JUNE 17...	17	.25	.01	.75	.74	1.0	.13	252	235	.34
JULY 22...	47	.42	.03	.70	.67	1.1	.33	475	401	.65
AUG. 20...	100	.96	.00	.47	.47	1.4	.07	1010	950	1.37
SEP. 17...	120	1.6	.00	1.5	1.5	3.1	.40	1180	1110	1.60

COLORADO RIVER MAIN STEM

09183210 COLORADO RIVER ABOVE MILL CREEK, NEAR NOAB, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS- SOLVED OXYGEN (MG/L)
OCT. 22...	10100	560	390	2.8	1610	8.3	1.7	15	3.6	9.3
NOV. 18...	10900	430	270	2.7	--	8.3	1.6	10	4.0	10.4
DEC. 17...	9110	390	230	2.9	1370	8.3	1.6	16	3.5	--
JAN. 22...	7750	340	190	3.3	1270	8.1	2.4	5	5.2	12.3
FEB. 18...	7840	340	190	3.3	1300	7.8	4.7	21	4.6	10.6
MAR. 19...	7900	330	180	3.4	1220	8.0	2.9	18	10	9.5
APR. 22...	9040	240	110	1.9	700	8.4	1.0	34	14	8.3
MAY 19...	16000	140	51	.8	380	8.2	1.1	61	29	11.9
JUNE 17...	18400	150	63	.8	400	7.9	2.2	26	5.8	8.3
JULY 22...	11500	270	260	1.3	730	8.2	.1	19	19	7.1
AUG. 20...	8100	500	320	2.3	1510	8.6	.9	9	13	7.5
SEP. 17...	13400	580	390	2.5	1635	--	--	26	11	7.2

TRIBUTARIES BETWEEN DOLORES RIVER AND GREEN RIVER

321

09184000 MILL CREEK NEAR MOAB, UTAH

LOCATION.--Lat 38°33'44", long 109°30'48", in NW¼NE¼ sec.8, T.26 S., R.22 E., Grand County, at gaging station 0.5 mi (0.80 km) downstream from North Fork, 1.5 mi (2.4 km) southeast of Moab, and 3.5 mi (5.6 km) upstream from mouth.

DRAINAGE AREA.--74.9 mi² (194.0 km²).

PERIOD OF RECORD.--Sediment records: April 1973 to current year.

EXTREMES.--Current year:

Sediment concentrations: Maximum daily, 4,200 mg/l June 9; minimum daily, 1 mg/l Nov. 30.

Sediment discharge; Maximum daily, 669 tons (607 tonnes) June 9; minimum daily, 0.02 tons (0.02 tonnes) Nov. 30.

Period of record:

Sediment concentrations: Maximum daily, 8,500 mg/l July 19, 1974; minimum daily, 0 mg/l Oct. 16, 1973.

Sediment discharge: Maximum daily, 10,600 tons (9,620 tonnes) July 19, 1974; minimum daily, 0 tons (0 tonnes) Oct. 16, 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCTI- ANCE (MICRO- MHOS)
OCT.				
11...	0850	6.5	13.0	800
NOV.				
11...	1030	7.7	4.0	300
DEC.				
10...	1500	9.7	.0	280
JAN.				
11...	1440	9.9	.0	300
FEB.				
13...	1435	8.8	4.0	260
MAR.				
17...	1410	20	7.0	220
APR.				
17...	1435	8.6	10.0	280
MAY				
07...	1430	11	12.5	290
15...	1445	39	20.5	200
JUNE				
04...	1430	53	21.0	180
JULY				
08...	1445	22	25.0	400
AUG.				
06...	1030	11	23.0	400
SEP.				
10...	0920	12	17.5	260

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER			NOVEMBER			DECEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	6.8	2	.04	9.1	28	.69	7.4	4	.08
2	6.8	5	.09	9.1	20	.49	7.4	6	.12
3	7.3	5	.10	10	10	.27	7.4	10	.20
4	7.5	5	.10	10	5	.14	7.4	23	.46
5	6.8	5	.09	9.6	5	.13	7.4	12	.24
6	6.9	5	.09	6.9	5	.09	7.4	10	.20
7	6.8	5	.09	6.6	5	.09	7.4	8	.16
8	6.8	6	.11	7.7	5	.10	7.4	6	.12
9	6.4	12	.21	11	5	.15	8.0	2	.04
10	6.8	10	.18	7.3	5	.10	8.4	5	.11
11	13	12	.42	6.9	8	.15	9.0	27	.66
12	9.6	10	.26	8.2	10	.22	10	28	.76
13	7.7	10	.21	8.2	10	.22	9.6	7	.18
14	7.3	44	.87	8.2	10	.22	7.7	10	.21
15	7.3	22	.43	8.2	17	.38	9.6	10	.26
16	7.3	13	.26	8.6	11	.26	9.1	11	.27
17	7.3	20	.39	8.6	4	.09	8.6	5	.12
18	7.3	26	.51	7.3	4	.08	8.6	16	.37
19	7.7	15	.31	7.3	14	.28	8.6	45	1.0
20	7.7	6	.12	7.7	16	.33	9.1	6	.15
21	7.3	5	.10	7.7	5	.10	9.1	10	.25
22	7.7	5	.10	7.7	7	.15	8.6	10	.23
23	9.1	8	.20	7.7	10	.21	6.2	10	.17
24	9.6	12	.31	8.0	10	.22	5.5	24	.36
25	9.1	5	.12	8.0	15	.32	6.2	20	.33
26	8.6	4	.09	8.0	4	.09	10	10	.27
27	9.6	6	.16	8.0	112	2.4	13	6	.21
28	9.1	33	.81	8.0	25	.54	13	10	.35
29	16	52	2.2	7.4	4	.08	12	10	.32
30	9.6	36	.93	7.4	1	.02	12	10	.32
31	8.6	75	1.7	---	---	---	12	10	.32
MONTH	255	---	12	244	---	8.6	273	---	8.8

DAY	JANUARY			FEBRUARY			MARCH		
	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	12	10	.32	9.1	7	.17	8.2	6	.13
2	12	10	.32	9.1	7	.17	8.6	8	.19
3	10	5	.14	9.6	8	.21	8.2	8	.18
4	10	6	.16	9.1	6	.15	7.7	13	.27
5	10	6	.16	9.1	7	.17	8.2	6	.13
6	10	7	.19	9.1	5	.12	8.6	6	.14
7	10	8	.22	11	4	.12	8.6	6	.14
8	10	6	.16	9.1	6	.15	8.6	8	.19
9	10	11	.30	9.1	10	.25	11	10	.30
10	10	26	.70	10	16	.43	10	10	.27
11	9.8	20	.53	9.6	7	.18	11	10	.30
12	9.8	20	.53	9.6	7	.18	9.1	10	.25
13	9.8	20	.53	8.6	7	.16	8.2	10	.22
14	9.8	35	.93	10	5	.14	8.6	10	.23
15	9.8	20	.53	8.6	5	.12	7.7	10	.21
16	9.8	9	.24	8.2	5	.11	8.2	10	.22
17	9.8	9	.24	8.6	5	.12	14	9	.34
18	9.8	10	.26	6.9	4	.07	8.6	10	.23
19	9.8	10	.26	6.2	3	.05	8.6	9	.21
20	9.8	6	.16	8.2	10	.22	8.6	6	.14
21	9.8	7	.19	7.7	17	.35	8.6	6	.14
22	9.8	9	.24	6.9	10	.19	9.6	10	.26
23	9.8	5	.13	7.4	10	.20	7.3	10	.20
24	9.8	11	.29	8.2	8	.18	6.9	13	.24
25	9.8	10	.26	10	15	.41	11	7	.21
26	11	10	.30	9.6	6	.16	9.0	27	.66
27	16	10	.43	8.6	6	.14	8.0	15	.32
28	11	17	.50	8.6	5	.12	7.3	3	.06
29	9.6	6	.16	---	---	---	6.9	5	.09
30	11	14	.42	---	---	---	8.2	10	.22
31	10	6	.16	---	---	---	8.2	12	.27
MONTH	320	---	10.0	246	---	5.0	271	---	7.0

09180000 MILL CREEK NEAR MOAB, UTAH--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

APRIL				MAY				JUNE	
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	8.4	11	.25	10	24	.65	28	300	23
2	8.0	11	.24	11	15	.45	30	371	30
3	7.7	5	.10	14	50	1.9	38	497	51
4	8.6	17	.39	19	120	6.2	45	740	90
5	9.6	20	.52	31	200	17	47	600	76
6	8.6	30	.70	14	35	1.3	52	530	74
7	9.0	42	1.0	11	15	.45	55	500	74
8	9.6	8	.21	10	18	.49	60	1100	178
9	9.6	6	.16	12	20	.65	59	4200	669
10	9.1	11	.27	14	30	1.1	50	800	108
11	11	8	.24	23	370	23	41	454	50
12	13	8	.28	28	640	48	35	445	42
13	11	8	.24	25	300	20	34	609	56
14	11	8	.24	38	230	24	35	500	47
15	10	5	.14	46	600	75	38	600	62
16	10	10	.27	51	660	91	42	820	93
17	11	16	.48	45	640	78	50	709	96
18	9.6	16	.41	40	560	60	60	414	67
19	7.7	10	.21	35	550	52	52	325	46
20	8.2	10	.22	30	770	62	46	172	21
21	8.6	12	.28	26	640	45	40	150	16
22	9.6	15	.39	24	250	16	35	100	9.5
23	9.1	9	.22	22	170	10	32	83	7.2
24	10	11	.30	21	300	17	29	83	6.5
25	11	20	.59	21	400	23	26	119	8.4
26	16	30	1.3	22	520	31	24	79	5.1
27	11	20	.59	24	690	45	21	10	.57
28	10	14	.38	26	870	61	20	60	3.2
29	9.1	11	.27	27	357	26	20	130	7.0
30	9.1	14	.34	26	214	15	20	115	6.2
31	---	---	---	26	200	14	---	---	---
MONTH	294	---	11	772	---	866	1160	---	2020
JULY				AUGUST				SEPTEMBER	
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	20	96	5.2	10	136	3.7	10	50	1.4
2	20	115	6.2	9.6	70	1.8	10	46	1.2
3	20	108	5.8	9.6	60	1.6	10	29	.78
4	20	100	5.4	10	40	1.1	10	25	.68
5	20	100	5.4	10	18	.49	10	6	.16
6	20	100	5.4	10	59	1.6	10	10	.27
7	20	108	5.8	9.6	75	1.9	10	10	.27
8	21	170	9.6	9.6	19	.49	11	13	.39
9	24	202	13	10	20	.54	11	19	.56
10	24	387	25	8.6	150	3.5	11	14	.42
11	19	221	11	9.0	250	6.1	11	10	.30
12	19	500	26	9.9	480	13	11	10	.30
13	19	800	41	28	1050	79	13	10	.35
14	19	1150	59	16	586	25	12	10	.32
15	20	2300	124	12	630	20	11	7	.21
16	22	1090	65	12	500	16	11	8	.24
17	31	1400	117	11	300	8.9	11	7	.21
18	19	1700	87	11	200	5.9	11	9	.27
19	15	1800	73	11	147	4.4	10	5	.14
20	12	2000	65	11	159	4.7	11	5	.15
21	11	1500	45	11	162	4.8	11	5	.15
22	10	980	26	11	332	9.9	10	4	.11
23	11	900	27	10	300	8.1	10	4	.11
24	11	600	18	10	200	5.4	10	3	.08
25	12	435	14	10	142	3.8	10	4	.11
26	12	300	9.7	10	160	4.3	10	2	.05
27	12	200	6.5	10	103	2.8	10	5	.14
28	12	190	6.2	10	117	3.2	9.1	5	.12
29	13	168	5.9	10	71	1.9	9.1	5	.12
30	12	132	4.3	10	60	1.6	9.1	5	.12
31	11	62	1.8	10	50	1.4	---	---	---
MONTH	531	---	919	340	---	247	313	---	9.7
YEAR	5020		4130						

TRIBUTARIES BETWEEN DOLORES RIVER AND GREEN RIVER

09180000 MILL CREEK NEAR MOAB, UTAH--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- CHARGE (CFS)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT CHANGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
MAY							
12...	0900	6.0	32	695	00	56	69
21...	0900	8.0	33	1290	192	13	15
JUNE							
04...	1520	21.0	30	752	102	6	7
09...	0900	11.0	70	6240	1130	18	21
JULY							
08...	1500	28.0	22	269	16	55	58
15...	0900	18.0	12	2980	97	43	47

DATE	SUS. SED. FALL DIAM. % FINER THAN .010 MM	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
MAY						
12...	--	97	99	100	--	--
21...	--	33	87	99	100	--
JUNE						
04...	--	20	81	97	100	--
09...	30	93	99	100	--	--
JULY						
08...	75	89	99	100	--	--
15...	54	70	93	100	--	--

09217000 GREEN RIVER NEAR GREEN RIVER, WYO.

LOCATION.--Lat 41°30'59", long 109°26'54", in NW¼NE¼NE¼ sec.26, T.18 N., R.107 W., Sweetwater County, at bridge on State Highway 530 in town of Green River, 0.8 mi (1.3 km) upstream from Bitter Creek, 1.0 mi (1.6 km) upstream from gaging station, and 5.0 mi (8.0 km) upstream from high-water line of Flaming Gorge Reservoir.

DRAINAGE AREA.--10,000 mi² (25,900 km²), approximately, at gaging station, of which 300 mi² (777 km²) is probably noncontributing.

PERIOD OF RECORD.--Chemical analyses: May 1951 to current year.

Water temperatures: May 1951 to current year.

Sediment records: May 1951 to current year.

EXTREMES.--Current year:

Specific conductance: Maximum daily, 1,100 micromhos Dec. 9; minimum daily, 321 micromhos July 29.

Water temperatures: Maximum, 23.0°C July 25; minimum, freezing point on many days during November to April.

Sediment concentrations: Maximum daily, 301 mg/l June 18; minimum daily, 1 mg/l Oct. 14.

Sediment discharge: Maximum daily, 4,830 tons (4,380 tonnes) June 18; minimum daily, 2.6 tons (2.4 tonnes) Oct. 14.

Period of record:

Specific conductance: Maximum daily, 1,270 micromhos Nov. 26, 1968; minimum daily, 219 micromhos May 22, 1954.

Water temperatures: Maximum, 26.0°C July 8, 22, 1961, July 24, 1962; minimum, freezing point on many days during winter period each year.

Sediment concentrations: Maximum daily, 15,000 mg/l Aug. 11, 1963; minimum daily, 0 mg/l Sept. 18, 1962.

Sediment discharge: Maximum daily, 110,000 tons (99,800 tonnes) Mar. 28, 1962; minimum daily, 0 tons Sept. 18, 1962.

REMARKS.--Flow affected by ice Nov. 27 to Dec. 4, 6, 7, Dec. 9 to Mar. 31.

WATER QUALITY DATA. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT.											
04...	1440	857	3.9	56	26	65	2.2	151	7	250	10
NOV.											
01...	1050	952	6.8	59	23	60	2.5	172	4	210	9.4
DEC.											
05...	1315	981	6.4	52	20	50	1.4	172	2	160	6.8
JAN.											
10...	1500	A930	7.8	62	22	44	2.0	198	--	170	7.0
FEB.											
07...	1035	A1040	7.8	63	25	46	1.9	202	--	170	8.2
MAR.											
10...	1100	A1010	6.2	65	25	57	2.1	188	--	200	12
APR.											
03...	1645	1010	6.9	68	28	58	3.3	205	--	210	10
30...	1320	1560	6.9	62	22	47	2.2	199	--	160	8.3
MAY											
22...	1320	1950	5.8	55	20	43	2.7	191	--	140	8.1
JULY											
22...	1050	6340	7.6	34	11	16	1.6	131	0	47	3.4
AUG.											
16...	1230	1870	6.3	43	16	31	2.6	152	0	100	5.5
SEP.											
16...	1200	1020	4.7	47	19	48	2.1	154	0	150	6.6

DATE	DIS- SOLVED FLUO- RIDE (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AU- SURP- TION RATIO
OCT.										
04...	.3	.01	200	20	495	1150	.67	250	110	1.8
NOV.										
01...	.2	.03	0	20	460	1180	.63	240	94	1.7
DEC.										
05...	.2	.05	60	10	384	1020	.52	210	68	1.5
JAN.										
10...	.2	.13	50	30	413	1040	.56	250	83	1.2
FEB.										
07...	.3	.20	60	10	423	1190	.58	260	95	1.2
MAR.										
10...	.2	.11	60	10	461	1260	.63	270	110	1.5
APR.										
03...	.4	.09	50	30	486	1330	.66	290	120	1.5
30...	.2	.06	60	30	407	1710	.55	250	82	1.3
MAY										
22...	.3	.03	80	40	369	1940	.50	220	63	1.3
JULY										
22...	.2	--	40	250	186	3180	.25	130	23	.6
AUG.										
16...	.2	--	50	20	280	1410	.38	170	49	1.0
SEP.										
16...	.2	--	50	50	354	975	.48	200	69	1.5

A Daily mean discharge.

09217000 GREEN RIVER NEAR GREEN RIVER, WYO.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	ALGAL GROWTH POTENTIAL (MG/L)
OCT.										
04...	1440	857	--	--	12.0	1	11.2	--	87	--
NOV.										
01...	1050	952	--	--	5.0	10	9.6	--	86	--
DEC.										
05...	1315	981	--	--	1.0	1	12.4	--	110	--
JAN.										
10...	1500	A930	--	--	.0	10	10.4	--	75	--
FEB.										
07...	1035	A1040	640	--	.0	1	11.0	--	400	--
MAR.										
10...	1100	A1010	540	--	.0	2	8.9	--	815	--
APR.										
03...	1645	1010	750	--	5.0	1	10.7	--	817	--
16...	1000	1040	730	8.5	8.0	--	--	--	--	4.3
30...	1320	1560	750	--	4.5	10	9.6	--	87	--
MAY										
22...	1320	1950	600	--	8.5	100	8.2	--	78	--
JUNE										
16...	1255	5720	430	--	14.5	--	--	--	--	--
JULY										
07...	1330	6580	--	8.7	22.0	--	--	--	--	2.8
11...	1300	5140	400	--	17.5	--	--	--	--	--
22...	1050	6340	360	7.9	19.5	10	7.8	2.0	871	--
30...	1030	4120	360	--	19.5	10	--	--	--	--
AUG.										
05...	0900	3320	350	8.7	18.0	--	--	--	--	--
16...	1230	1870	450	8.2	18.0	10	8.4	6.7	45	--
28...	0945	1250	610	--	15.0	--	--	--	--	--
SEP.										
16...	1200	1020	580	8.2	15.0	1	8.6	3.0	55	--

A Daily mean discharge.

B Non-ideal counting conditions.

DATE	TIME	TOTAL NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
APR.									
16...	1000	.33	.24	.00	.24	.09	.02	--	1.5
JULY									
22...	1050	1.7	1.7	.03	1.7	.00	.05	7.6	7.5
AUG.									
16...	1230	1.8	1.7	.01	1.7	.05	.05	--	7.7
SEP.									
16...	1200	7.4	6.7	.73	7.4	.02	.05	--	33

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)
FEB.												
07...	1035	1	--	--	<10	--	--	10	--	--	0	--
JULY												
22...	1050	1	1	0	0	0	0	<10	<9	1	0	0

DATE	TIME	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
FEB.												
07...	--	--	1500	--	--	280	<100	--	--	10	--	--
JULY												
22...	0	0	10	9	1	440	<100	<99	1	40	40	0

GREEN RIVER BASIN

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09217000 GREEN RIVER NEAR GREEN RIVER, WYO.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MOLYB- DENUM (MO) (UG/L)	SUS- PENDED MOLYB- DENUM (MO) (UG/L)	DIS- SOLVED MOLYB- DENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)
FEB. 07...	.5	--	--	1	--	--	<50	--	--	1	--
JULY 22...	.0	.0	.0	1	0	1	<50	<48	2	0	0

DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL LITHIUM (LI) (UG/L)	SUS- PENDED LITHIUM (LI) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	TOTAL ALUM- INUM (AL) (UG/L)	SUS- PENDED ALUM- INUM (AL) (UG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
FEB. 07...	--	10	--	--	--	--	--	--	--	--	--
JULY 22...	0	10	0	10	420	420	0	1.1	20	0	30

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	751	676	674	677	647	673	783	668	507	365	366	561
2	668	799	718	623	650	651	779	702	506	379	367	546
3	668	576	704	689	684	644	788	676	513	376	377	571
4	767	689	731	682	666	666	824	691	517	408	376	580
5	756	739	752	700	664	672	833	675	541	397	386	496
6	690	699	715	665	662	674	815	723	503	397	386	524
7	642	720	705	664	656	675	777	634	492	388	385	541
8	643	695	874	636	638	668	800	601	479	397	384	541
9	646	689	1100	648	646	708	794	595	479	357	413	552
10	694	751	649	662	650	720	795	587	476	408	420	559
11	693	714	627	641	646	719	791	610	447	412	432	596
12	661	701	600	669	668	718	753	613	450	407	440	558
13	649	697	601	698	673	779	791	595	429	387	441	574
14	674	686	649	686	673	762	732	600	437	396	462	574
15	674	794	679	649	686	765	747	581	431	375	473	576
16	674	880	658	938	690	768	787	602	427	356	482	574
17	651	738	648	657	666	779	787	595	415	405	476	634
18	654	729	639	652	665	736	762	607	404	451	488	710
19	657	767	642	642	716	755	828	604	400	387	485	711
20	657	705	640	644	667	764	838	590	450	348	477	799
21	654	676	644	646	678	758	819	577	440	342	485	691
22	685	662	609	652	753	738	811	605	419	333	490	712
23	675	669	696	662	668	760	780	692	375	350	479	791
24	677	686	710	894	703	735	690	627	367	338	469	704
25	679	648	652	689	705	795	718	572	371	372	490	759
26	667	690	658	759	703	823	676	551	374	373	480	701
27	662	731	734	696	665	899	664	546	366	377	520	723
28	657	728	679	651	641	775	684	543	364	341	552	958
29	678	713	679	649	---	635	651	545	364	321	532	885
30	662	678	808	662	---	794	653	530	365	381	535	702
31	471	---	773	657	---	753	---	523	---	364	570	---
MONTH	675	714	698	682	672	734	765	608	437	377	455	647

09217000 GREEN RIVER NEAR GREEN RIVER, WYO.--Continued

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.0	4.5	2.0	0.0	0.0	1.5	0.0	8.0	17.0	19.0	21.0	15.0
2	12.5	5.0	0.0	0.0	0.0	1.5	2.0	6.0	15.0	19.0	20.0	17.0
3	12.0	6.0	0.0	0.0	0.0	1.0	2.0	8.0	13.0	19.0	19.0	18.0
4	12.0	6.0	0.0	0.0	0.0	1.0	3.0	8.0	12.0	19.0	20.0	19.0
5	11.0	5.0	1.0	0.0	0.0	1.5	3.0	8.0	11.0	17.0	21.0	20.0
6	10.0	5.0	1.0	0.0	0.0	1.5	3.5	5.0	7.0	19.5	22.0	15.0
7	10.0	5.0	1.0	0.0	0.0	2.0	2.5	4.5	12.0	19.0	20.0	20.0
8	10.0	4.0	1.5	0.0	1.0	3.0	4.5	5.0	11.0	17.0	22.0	19.0
9	11.0	3.5	0.0	0.0	0.5	3.0	4.0	6.0	11.0	17.0	22.0	20.0
10	10.0	4.0	0.0	0.0	0.0	2.0	5.5	6.5	12.0	19.0	20.0	20.0
11	10.0	3.5	0.0	0.0	0.0	1.5	6.0	8.0	6.0	19.0	19.0	15.0
12	10.0	5.0	0.0	0.0	0.5	1.0	6.0	10.0	14.0	18.0	19.0	15.0
13	10.0	6.0	0.0	0.0	1.0	1.5	6.0	12.0	16.0	21.0	20.0	14.0
14	10.0	4.0	0.0	0.0	1.0	2.0	6.0	10.0	15.0	20.0	18.0	19.0
15	8.0	5.0	0.0	0.0	0.5	4.0	8.0	9.0	17.0	20.0	20.0	17.0
16	13.0	5.0	0.0	0.0	1.0	2.0	7.0	12.0	14.0	16.0	17.0	17.0
17	13.0	3.5	0.0	0.0	0.5	1.0	7.0	13.0	12.5	19.0	20.0	16.0
18	12.0	4.0	0.0	0.0	0.0	1.5	7.0	13.0	10.0	19.0	19.0	14.0
19	13.0	4.0	0.0	0.0	0.5	3.0	7.0	13.0	11.0	21.0	19.0	13.0
20	13.0	4.0	0.0	0.0	0.0	3.0	8.0	8.0	14.0	22.0	19.0	10.0
21	8.0	4.0	0.0	0.0	0.0	3.5	8.0	4.0	13.0	20.0	19.0	9.0
22	7.0	4.0	0.0	0.0	0.0	4.0	8.0	7.0	14.0	20.0	19.0	13.0
23	9.0	4.5	0.0	0.0	0.0	3.5	6.5	7.0	15.0	22.0	19.0	14.0
24	7.0	3.5	0.0	0.0	0.0	2.5	6.0	7.0	15.0	22.0	17.0	14.0
25	10.0	2.0	0.0	0.0	0.5	2.0	6.0	6.0	11.0	23.0	15.0	11.0
26	11.0	2.0	0.0	0.0	1.0	2.0	6.0	7.0	14.0	22.0	20.0	13.0
27	11.0	0.0	0.0	0.0	1.0	0.0	5.0	8.0	17.0	20.0	15.0	11.0
28	8.0	0.0	0.0	0.0	0.5	0.0	5.0	8.0	16.0	21.0	18.0	14.0
29	7.0	0.0	0.0	0.0	---	0.0	4.0	12.0	17.0	21.0	18.0	13.0
30	8.0	0.0	0.0	0.0	---	0.0	4.0	10.0	19.0	21.0	15.0	13.0
31	5.0	---	0.0	0.0	---	0.0	---	8.0	---	20.0	19.0	---
MONTH	10.0	3.5	0.0	0.0	0.5	2.0	5.0	8.5	13.5	19.5	19.0	15.5

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER			NOVEMBER			DECEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	708	36	69	908	23	56	985	6	16
2	715	18	35	857	10	23	985	10	27
3	722	10	19	848	18	41	990	13	35
4	832	11	25	848	8	18	990	5	13
5	988	4	21	848	14	32	988	6	16
6	979	4	7.9	848	4	9.2	970	6	16
7	988	2	5.3	848	2	4.6	950	3	21
8	997	2	5.4	848	3	6.9	866	9	21
9	979	2	5.2	848	3	6.9	650	56	98
10	961	2	5.2	848	4	9.2	750	117	237
11	961	3	7.8	840	4	9.1	950	23	59
12	943	3	7.6	848	3	6.9	960	17	44
13	961	2	5.2	840	2	4.5	960	24	62
14	952	1	2.6	840	2	4.5	960	225	583
15	952	10	26	857	2	4.6	960	92	238
16	943	4	10	857	4	9.3	970	135	354
17	943	2	5.1	866	2	4.7	970	44	115
18	934	3	7.6	874	3	7.1	980	9	24
19	934	3	7.6	899	2	4.9	980	11	29
20	943	3	7.6	970	2	5.2	980	12	32
21	943	4	10	979	3	7.9	1000	13	35
22	952	2	5.1	988	6	16	1000	9	24
23	961	2	5.2	997	3	8.1	1000	7	19
24	952	3	7.7	988	5	13	1000	7	19
25	943	3	7.6	988	5	13	990	29	78
26	943	3	7.6	988	4	11	990	49	131
27	934	4	10	996	6	16	990	13	35
28	934	5	13	990	10	27	990	6	16
29	943	3	7.6	985	7	19	980	8	21
30	997	90	242	980	11	29	980	44	116
31	961	118	306	---	---	---	980	59	156
MONTH	28798	---	907.0	27113	---	427.6	29694	---	2690

09217000 GREEN RIVER NEAR GREEN RIVER, WYO.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JANUARY			FEBRUARY			MARCH		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	990	27	72	1000	20	54	1010	49	134
2	1000	12	32	1020	11	30	1010	25	68
3	1000	5	13	1020	31	45	1010	19	52
4	1000	13	35	1030	44	122	1020	13	36
5	990	25	227	1030	34	95	1010	8	22
6	990	10	27	1040	12	34	1010	10	27
7	990	4	11	1040	30	44	1000	9	24
8	980	2	5.3	1040	48	135	1010	6	16
9	950	2	5.1	1030	43	120	1020	13	36
10	930	3	7.5	1030	30	83	1010	16	44
11	950	2	5.1	1030	24	67	1010	15	41
12	980	4	11	1030	60	167	1020	15	41
13	1000	6	16	1040	83	233	1020	19	52
14	1010	5	14	1030	20	56	1020	39	107
15	1020	6	17	1030	35	97	1010	14	38
16	1020	4	11	1030	25	70	1000	6	16
17	1050	7	20	1030	8	22	1000	13	35
18	1050	8	23	1030	12	33	1000	7	19
19	1040	3	8.4	1030	4	22	1000	14	38
20	1040	7	20	1030	10	28	1010	17	46
21	1030	18	50	1030	7	19	1010	16	44
22	1020	3	8.3	1040	8	22	1000	16	43
23	1020	15	41	1020	11	30	1010	17	46
24	1020	22	61	1000	7	19	1020	12	33
25	1020	4	11	1020	8	22	1020	4	11
26	1020	6	17	1030	8	22	1030	6	17
27	1030	2	5.6	1020	7	19	1030	5	14
28	1030	3	8.3	1020	9	25	1030	6	17
29	1020	5	14	---	---	---	1020	28	77
30	990	18	48	---	---	---	1020	72	198
31	990	7	19	---	---	---	1020	24	66
MONTH	31170	---	863.6	28770	---	1815	31410	---	1458
DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1020	16	44	1540	38	158	2660	54	388
2	988	8	21	1480	19	76	2740	45	333
3	997	8	22	1480	25	100	2700	47	343
4	1010	18	49	1450	26	102	2620	27	191
5	1010	10	27	1520	28	115	2610	26	183
6	1010	7	19	1550	79	331	2580	33	230
7	1020	20	55	1540	74	308	3510	116	1100
8	1010	7	19	1730	62	290	3780	121	1230
9	997	10	27	1900	50	256	3770	93	947
10	997	7	19	1860	21	105	4790	207	2680
11	997	10	27	1780	20	96	5910	217	3460
12	997	8	22	1810	22	108	5960	233	3750
13	988	14	37	1810	71	347	5860	175	2770
14	988	16	43	1810	50	244	5740	182	2820
15	1010	20	55	1730	59	276	5720	150	2320
16	1040	21	59	1710	29	134	5720	89	1370
17	1040	34	99	1730	42	196	5740	46	713
18	1050	41	116	1710	36	166	5940	301	4830
19	1030	27	75	1710	20	92	5860	170	2690
20	1020	16	44	1990	32	172	5940	184	2950
21	1030	26	72	1990	28	150	5980	221	3570
22	1110	26	78	1970	122	649	5960	159	2560
23	1250	39	132	2770	291	2180	5890	118	1880
24	1470	61	242	3070	253	2100	5890	123	1960
25	1660	106	475	2940	198	1570	5860	116	1840
26	1700	92	422	2880	123	956	5860	98	1550
27	1700	108	496	2820	62	472	5840	64	1010
28	1720	152	706	2770	42	314	5890	85	1350
29	1620	110	481	2770	53	396	5940	69	1110
30	1550	65	272	2700	32	233	6030	71	1160
31	---	---	---	2670	64	461	---	---	---
MONTH	35069	---	4255	63190	---	13153	149290	---	53288

GREEN RIVER BASIN

09217000 GREEN RIVER NEAR GREEN RIVER, WYO.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JULY				AUGUST			SEPTEMBER	
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	6060	74	1210	3940	9	93	1250	5	17
2	6100	72	1190	3730	9	91	1260	6	20
3	6130	66	1090	3660	17	168	1290	7	24
4	6220	82	1380	3500	12	113	1290	8	28
5	6320	94	1600	3310	12	107	1280	11	38
6	6420	87	1510	3120	15	126	1250	13	44
7	6440	78	1360	2910	14	110	1250	11	37
8	6730	91	1650	2700	11	80	1250	11	37
9	6680	42	758	2520	11	75	1230	10	33
10	6180	30	501	2340	8	51	1120	4	12
11	5220	42	592	2200	8	48	1130	6	18
12	4790	68	879	2110	10	57	1160	9	28
13	4680	50	632	2010	6	33	1160	5	16
14	4700	49	622	1950	10	53	1140	9	28
15	5000	47	634	1900	10	51	1140	9	28
16	4220	37	422	1860	5	25	1020	6	17
17	3330	20	180	1810	8	39	866	3	7.0
18	3440	18	167	1790	21	101	722	3	5.8
19	4190	36	407	1740	10	47	730	3	5.9
20	5240	78	1100	1730	7	33	792	4	8.6
21	6080	56	919	1710	7	32	792	3	6.4
22	6320	57	973	1660	8	36	784	2	4.2
23	6270	48	813	1650	8	36	776	2	4.2
24	6080	46	755	1620	10	44	752	2	4.1
25	5770	45	701	1620	9	39	752	3	6.1
26	5360	30	434	1470	8	32	738	3	6.0
27	4450	33	441	1280	13	45	848	6	14
28	4570	31	383	1240	17	57	840	5	11
29	4240	20	229	1250	8	27	816	4	8.8
30	4080	17	187	1260	6	20	808	6	13
31	3900	13	137	1260	5	17	---	---	---
MONTH	165710	---	23856	66750	---	1886	30236	---	530.1
YEAR	687200		105129.3						

GREEN RIVER BASIN

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09217010 GREEN RIVER BELOW GREEN RIVER, WYO.

LOCATION.--Lat 41°29'46", long 109°26'17", in SW¼SE¼NW¼ sec.36, T.18 N., R.107 W., Sweetwater County, at bridge on county road, 1.7 mi (2.7 km) downstream from Bitter Creek, 2.7 mi (4.3 km) southeast of town of Green River, and 3.3 mi (5.3 km) upstream from Logan Draw.

PERIOD OF RECORD.--Chemical analyses: January 1974 to current year.
Sediment records: Water year 1975 (partial-record station).

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 04....	1500	861	3.7	58	26	66	2.3	147	6	230	11
NOV. 01....	1200	952	6.7	58	24	67	2.8	173	3	210	18
DEC. 05....	1435	985	6.3	53	20	52	1.7	170	3	160	7.7
JAN. 10....	1640	A930	7.7	60	23	44	1.8	198	--	160	7.3
FEB. 07....	1240	A1040	7.8	63	25	47	1.8	202	--	180	8.8
MAR. 10....	1215	A1010	6.1	65	25	61	2.2	149	--	210	15
APR. 03....	1750	1010	6.8	71	30	74	3.5	210	--	240	23
MAY 30....	1415	1560	6.8	62	23	52	2.4	202	--	170	13
JULY 22....	1515	1950	5.8	57	23	54	3.0	143	--	160	15
AUG. 15....	1400	1870	6.4	43	16	33	1.8	150	0	110	6.0
SEP. 16....	1400	1020	4.2	49	22	45	1.9	150	0	160	6.8

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO
OCT. 04....	.3	.00	240	--	476	1110	.65	250	120	1.8
NOV. 01....	.2	.03	4	--	475	1220	.65	240	97	1.9
DEC. 05....	.2	.05	70	--	388	1030	.53	210	70	1.5
JAN. 10....	.2	.12	50	--	402	1010	.55	240	82	1.2
FEB. 07....	.2	.15	60	--	434	1220	.59	260	95	1.3
MAR. 10....	.2	.17	70	--	479	1310	.65	270	110	1.6
APR. 03....	.2	.17	90	--	553	1510	.75	300	130	1.9
MAY 30....	.2	.08	70	--	429	1810	.58	250	84	.0
JULY 22....	.3	.10	120	--	414	2140	.56	240	79	1.5
AUG. 15....	.2	--	50	40	140	3250	.26	130	26	.6
SEP. 16....	.2	--	40	30	290	1460	.39	170	50	1.1
SEP. 16....	.2	--	70	30	363	1000	.49	210	90	1.3

A Daily mean discharge.

GREEN RIVER BASIN

09217010 GREEN RIVER BELOW GREEN RIVER, WYO.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICHO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)
OCT. 04...	1500	861	--	--	12.0	1	11.9	--	66
NOV. 01...	1200	952	--	--	5.0	2	10.6	--	470
DEC. 05...	1435	985	--	--	.5	2	12.7	--	860
JAN. 10...	1640	A930	--	--	.0	1	10.5	--	1700
FEB. 07...	1240	A1040	640	--	.0	8	10.7	--	690
MAR. 10...	1215	A1010	700	--	.5	40	9.2	--	350
APR. 03...	1750	1010	830	--	5.5	7	10.7	--	560
30...	1415	1560	750	--	4.5	30	9.6	--	890
MAY 22...	1515	1950	640	--	10.0	300	8.0	--	1600
JULY 22...	1215	6340	340	8.1	20.0	10	7.9	2.6	350
AUG. 16...	1400	1870	460	8.2	18.5	60	8.4	5.8	860
SEP. 16...	1400	1020	600	8.2	16.0	2	9.3	2.0	820

A Daily mean discharge.

B Non-ideal counting conditions.

DATE	TIME	TOTAL NITRO- GEN (MG/L)	TOTAL ORGANIC NITRO- GEN (MG/L)	AMMONIA NITRO- GEN (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (MG/L)	TOTAL NITRITE PLUS NITRATE (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)
JULY 22...	1215	.50	.46	.04	.50	.00	.07	20	2.2
AUG. 16...	1400	.35	.31	.01	.32	.03	.16	--	1.6
SEP. 16...	1400	.45	.43	.00	.43	.02	.02	--	2.0

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE CHRO- MIUM (CR) (UG/L)
JULY 22...	1215	2	0	2	0	0	0	<10	<10	0	0	0

DATE	DIS- SOLVED CHRO- MIUM (CH) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
JULY 22...	0	10	4	2	560	<100	<99	1	40	40	0

GREEN RIVER BASIN

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09217010 GREEN RIVER BELOW GREEN RIVER, WYO.--Continued

WATER QUALITY DATA. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MOLYB- DENUM (MO) (UG/L)	SUS- PENDE MOLYB- DENUM (MO) (UG/L)	DIS- SOLVED MOLYB- DENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)
JULY 22...	.0	.0	.0	1	1	0	<50	<48	2	0	0

DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL LITHIUM (LI) (UG/L)	SUS- PENDE LITHIUM (LI) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	TOTAL ALUM- INUM (AL) (UG/L)	SUS- PENDE ALUM- INUM (AL) (UG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JULY 22...	0	10	0	10	560	560	0	1.2	10	0	30

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)
FEB. 07...	1240	.0	A1040	42	118

A Daily mean discharge.

GREEN RIVER BASIN

09229500 HENRYS FORK NEAR MANILA, UTAH

LOCATION.--Lat 41°00'45", long 109°40'20", in NW¼NW¼ sec.23, T.12 N., R.109 W., Sweetwater County, Wyoming, at gaging station, 0.8 mi (1.3 km) north of Wyoming-Utah State line, 1.3 mi (2.1 km) upstream from normal high-water line of Flaming Gorge Reservoir, and 3.0 mi (4.8 km) northeast of Manila, Utah.

DRAINAGE AREA.--520 mi² (1,350 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: March 1951 to current year.

Water temperatures: March 1951 to current year.

Sediment records: February to September 1975.

EXTREMES.--Current year:

Specific conductance: Maximum daily, 2,040 micromhos Sept. 8; minimum daily, 398 micromhos June 27, 30.

Water temperatures: Maximum, 24.0°C July 26, 27; minimum, freezing point on many days during November to March.

Period of record:

Specific conductance: Maximum daily, 3,750 micromhos Oct. 15, 1961; minimum daily, 385 micromhos June 16, 1968, May 12, 1974.

Water temperatures: Maximum, 29.0°C July 29, 1968; minimum, freezing point on many days during winter period each year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT.										
01...	1700	9.4	21	180	95	60	13	244	710	30
31...	1235	25	24	150	68	54	9.7	287	470	22
DEC.										
05...	0945	A54	19	140	61	42	7.4	307	400	17
JAN.										
11...	1040	A30	19	83	63	42	6.9	167	380	18
FEB.										
07...	1145	A31	17	120	50	39	6.2	275	350	16
MAR.										
10...	1150	A62	15	110	51	39	7.0	249	330	17
APR.										
03...	1535	42	16	120	57	46	8.1	269	390	18
30...	1115	40	17	120	62	51	7.9	291	360	21
MAY										
22...	1915	215	13	69	31	44	7.1	192	210	14
JULY										
02...	1120	898	15	46	14	13	3.5	144	80	3.8
30...	1420	200	18	90	38	26	5.8	219	230	9.8
AUG.										
26...	1105	54	19	150	83	58	9.3	286	520	23

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO
OCT.										
01...	.5	.64	270	80	1230	31.2	1.67	840	640	.9
31...	.4	.66	110	340	943	63.7	1.28	650	420	.9
DEC.										
05...	.4	.11	180	20	839	122	1.14	600	350	.7
JAN.										
11...	.4	.16	140	0	695	57.0	.95	470	330	.8
FEB.										
07...	.3	.17	110	320	735	61.5	1.00	510	280	.8
MAR.										
10...	.2	.09	130	90	693	116	.94	480	280	.8
APR.										
03...	.5	.05	210	50	789	89.5	1.07	530	310	.9
30...	.3	.04	150	30	783	84.6	1.06	560	320	.9
MAY										
22...	.3	.36	440	70	485	282	.66	300	140	1.1
JULY										
02...	.2	.08	80	--	247	599	.34	170	52	.4
30...	.4	.12	120	40	527	285	.72	380	200	.6
AUG.										
26...	.4	3.8	210	20	1020	149	1.39	720	480	.9

A Daily mean discharge.

GREEN RIVER BASIN

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09229500 HENRYS FORK NEAR MANILA, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
OCT.					
01...	1700	9.4	--	--	15.0
31...	1235	25	--	--	5.0
DEC.					
05...	0945	A54	--	--	.0
JAN.					
11...	1040	A30	--	7.8	.0
FEB.					
07...	1145	A31	--	--	.0
MAR.					
10...	1150	A62	950	--	2.0
APR.					
03...	1535	42	920	--	6.0
30...	1115	40	1250	--	8.0
MAY					
22...	1915	215	750	--	10.0
JUNE					
05...	1625	280	550	--	19.0
16...	1940	1300	470	--	14.0
24...	1645	538	600	--	16.0
JULY					
02...	1120	898	370	--	15.5
30...	1420	200	825	--	18.5
AUG.					
26...	1105	54	1450	--	14.5

A Daily mean discharge.

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL BERYLLIUM (BE) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)
FEB.							
07...	1145	3	1	10	10	40	670

DATE	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL MOLYBDENUM (MO) (UG/L)	TOTAL NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL LITHIUM (LI) (UG/L)
FEB.							
07...	<100	90	.0	5	<50	2	40

GREEN RIVER BASIN

09229500 HENRYS FORK NEAR MANILA, UTAH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1710	1400	1420	1200	1150	1100	1110	1110	810	425	883	1650
2	1690	1340	1430	1190	1140	871	1040	1130	804	424	888	1700
3	1720	1350	1420	1190	1110	833	1110	1100	779	419	1010	1700
4	1870	1450	1220	1130	1110	891	983	1100	685	402	893	1650
5	1760	1360	1240	1190	1110	964	1050	959	652	519	1010	1870
6	1740	1460	1170	1150	1120	1010	1050	955	497	469	1020	1900
7	1730	1470	1220	1160	1110	998	1050	1210	552	432	1170	1870
8	1730	1470	1230	1190	1120	1060	1030	1240	1300	458	1010	2040
9	1730	1450	1360	1180	1130	987	1050	1150	486	477	1140	1660
10	1730	1500	1290	1170	1060	1090	1130	1120	1260	440	1170	1760
11	1710	1350	1290	1130	1070	1100	1080	1080	1300	520	1170	1780
12	1690	1370	1260	1160	1070	1130	1070	968	593	515	1200	1620
13	1840	1300	1270	1150	1080	1120	1080	1030	549	512	1190	1550
14	1400	1250	1310	1150	1040	1100	1140	1020	404	609	1280	1530
15	1330	1250	1320	1160	1030	1090	1170	1020	495	599	1090	1520
16	1460	1310	1270	1160	1040	1080	1070	914	524	632	1270	1510
17	1830	1230	1220	1120	1040	1100	1080	844	604	590	1450	1340
18	1410	1310	1300	1110	1030	1140	1100	836	619	703	1730	1350
19	1370	1470	1270	1120	1040	1350	1090	648	586	662	1740	1620
20	1360	1470	1220	1100	1040	1320	1020	1240	566	651	1730	1340
21	1340	1230	1190	1110	1060	1140	1060	798	595	726	1730	1600
22	1390	1230	1280	1110	1070	1110	1020	720	571	687	1880	1530
23	1420	1190	1280	1120	1040	1200	940	642	601	764	1840	1610
24	1400	1140	1340	1100	1000	1200	923	922	574	736	1780	1340
25	1360	1160	1330	1110	969	1070	949	715	449	988	1780	1340
26	1340	1230	1280	1120	985	1060	1080	694	478	750	1400	1340
27	1360	1240	1260	1140	1090	1070	1080	742	398	746	1380	1330
28	1340	1250	1270	1130	1290	1200	1040	742	408	815	1440	1590
29	1330	1340	1220	1200	---	1190	1080	779	414	824	1590	1610
30	1340	1400	1200	1190	---	1200	1100	770	398	824	1640	1610
31	1340	---	1190	1200	---	1180	---	803	---	768	1590	---
MONTH	1560	1340	1290	1150	1080	1100	1060	935	633	616	1360	1600

TEMPERATURE (DEG. C) OF WATER • WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.0	5.5	0.5	0.0	0.0	2.0	6.0	8.0	14.0	18.0	20.0	18.0
2	11.0	6.0	1.0	0.0	0.0	2.0	6.0	10.0	14.0	18.0	22.0	18.0
3	6.0	4.0	0.0	0.0	0.0	2.0	6.5	10.0	11.0	18.0	20.0	19.0
4	11.0	4.5	0.0	0.0	0.0	2.0	6.5	8.0	17.0	18.0	22.0	20.0
5	7.0	5.0	0.0	0.0	0.0	2.5	8.0	6.0	18.0	18.0	22.0	20.0
6	10.0	7.0	0.0	0.0	0.0	2.0	8.0	8.0	14.0	20.0	22.0	20.0
7	10.0	5.0	0.0	0.0	0.0	2.0	11.0	4.0	10.0	20.0	20.0	20.0
8	11.0	5.0	0.0	0.0	0.0	2.0	10.0	8.0	8.0	18.0	20.5	18.0
9	11.5	6.5	0.0	0.0	0.0	4.0	8.0	8.0	9.0	18.0	20.0	17.0
10	11.0	6.0	0.5	0.0	0.0	2.0	5.0	8.0	10.0	19.0	19.5	16.0
11	11.0	7.0	0.0	0.0	0.0	2.0	6.0	8.0	9.5	18.0	18.0	16.0
12	10.0	5.0	0.0	0.0	0.0	2.0	8.0	8.0	6.0	20.0	18.0	15.0
13	11.5	5.0	0.0	0.0	0.0	2.0	10.0	8.0	11.0	21.0	16.0	17.5
14	11.0	5.0	0.0	0.0	0.0	3.5	6.5	10.0	10.0	22.0	16.5	15.0
15	11.0	5.5	0.0	0.0	0.0	5.0	7.0	10.0	14.0	20.0	16.5	16.5
16	11.5	5.5	0.0	0.0	0.0	5.0	7.5	10.0	15.0	14.0	16.5	16.0
17	11.5	5.5	0.0	0.0	0.0	5.0	8.0	12.0	10.0	14.0	19.0	16.0
18	12.0	3.0	0.0	0.0	0.0	7.0	8.0	16.0	8.0	18.0	18.0	15.0
19	12.0	5.5	0.0	0.0	0.0	6.0	8.0	10.0	8.0	19.5	18.0	15.0
20	11.5	5.5	0.0	0.0	0.0	6.5	8.0	12.5	10.0	21.0	17.0	15.0
21	12.5	5.0	0.0	0.0	0.0	2.5	8.0	17.0	12.5	18.0	17.0	15.5
22	4.0	3.0	0.0	0.0	0.0	4.0	8.0	16.0	15.0	19.0	18.0	15.0
23	2.0	2.0	0.0	1.0	0.0	0.0	8.0	14.0	17.0	22.0	19.0	15.0
24	4.0	2.0	0.0	1.0	0.0	4.0	8.0	12.0	16.0	22.0	20.0	15.5
25	8.0	2.0	0.0	1.0	0.0	2.0	8.0	10.0	11.0	22.0	20.0	15.0
26	8.0	0.0	0.0	1.0	0.0	0.0	8.0	14.0	14.0	24.0	18.0	14.0
27	8.0	0.0	0.0	0.0	0.0	0.0	5.0	8.0	14.5	24.0	18.0	14.0
28	6.5	0.0	0.0	0.0	2.0	2.0	5.0	7.0	14.0	18.0	18.5	14.0
29	5.0	0.0	0.0	0.0	---	2.0	5.0	8.0	16.0	18.0	19.0	14.0
30	4.0	0.0	0.0	0.0	---	5.0	8.0	10.0	16.0	18.0	19.0	14.0
31	5.0	---	0.0	0.0	---	5.5	---	10.0	---	18.0	20.0	---
MONTH	9.5	4.0	0.0	0.0	0.0	3.0	7.5	10.0	12.5	19.5	19.0	16.5

GREEN RIVER BASIN

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09229500 HENRYS FORK NEAR MANILA, UTAH--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT DIS- CHARGE (T/DAY)
FEB.					
07...	1145	.0	A31	34	2.8
MAR.					
10...	1150	2.0	A62	216	36
APR.					
03...	1535	6.0	42	150	17
30...	1115	8.0	40	166	18
MAY					
22...	1915	10.0	215	4740	2750
JUNE					
05...	1625	19.0	280	656	496
16...	1940	14.0	1300	3990	14000
24...	1645	16.0	538	860	1250
JULY					
02...	1120	15.5	898	1260	3060
30...	1420	18.5	200	130	70
AUG.					
26...	1105	14.5	54	30	4.4

A Daily mean discharge.

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	NUMBER OF SAM- PLING POINTS	BED MAT. FALL DIAM. % FINE THAN .062 MM	BED MAT. FALL DIAM. % FINE THAN .125 MM	BED MAT. FALL DIAM. % FINE THAN .250 MM	BED MAT. FALL DIAM. % FINE THAN .500 MM
JULY 30...	1420	18.5	200	18	15	39	53	58

DATE	BED MAT. FALL DIAM. % FINE THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINE THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINE THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINE THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINE THAN 16.0 MM	BED MAT. SIEVE DIAM. % FINE THAN 32.0 MM	BED MAT. SIEVE DIAM. % FINE THAN 64.0 MM
JULY 30...	59	60	62	67	79	95	100

GREEN RIVER BASIN

09234500 GREEN RIVER NEAR GREENDALE, UTAH
(National stream-quality accounting network station)

LOCATION.--Lat 40°54'30", long 109°25'20", NW¼SE¼ sec.15, T.2 N., R.22 E., Daggett County, at gaging station, 0.5 mi (0.8 km) downstream from Flaming Gorge Dam, 2 mi (3 km) south of Dutch John, and 4 mi (6 km) northeast of Greendale.

DRAINAGE AREA.--15,100 mi² (39,110 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1956 to current year.

Water temperatures: October 1956 to September 1959, October 1963 to current year.

Sediment records: October 1956 to September 1959.

EXTREMES.--Current year:

Specific conductance: Maximum daily, 832 micromhos Nov. 24, 25, 30; minimum daily, 735 micromhos Apr. 30.
Water temperatures: Maximum, 9.0°C on several days during November and December; minimum, 4.0°C on many days during February to April.

Period of record (See REMARKS below):

Specific conductance (1956-58, 1959-62): Maximum daily, 1,340 micromhos Aug. 30, 1961; minimum daily, 325 micromhos June 2, 1961.

Specific conductance (1964 to current year): Maximum observed, 1,060 micromhos Nov. 9, 1971; minimum daily, 606 micromhos Nov. 14, 22, 1963, Feb. 10-19, 1964.

Water temperatures (1956-59): Maximum, 24.0°C July 24, 25, 1959; minimum, freezing point on many days during winter period each year.

Water temperatures (1964 to current year): Maximum, 14.0°C Nov. 11, 1963; minimum, 2.0°C on several days in 1964.

REMARKS.--Storage in Flaming Gorge Reservoir began on Nov. 1, 1962. Extremes are given above for two separate periods--1956-62, and 1964 to current year. Extremes for the 1963 water year (October 1962 to September 1963) are not included.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)
OCT.									
02...	1000	7.0	3710	4.8	66	27	59	3.0	183
24...	1530	8.0	4000	5.2	67	26	59	3.2	185
NOV.									
25...	1410	8.0	3880	4.9	70	25	60	2.5	190
DEC.									
30...	1445	6.0	3800	4.6	68	24	57	2.4	177
JAN.									
24...	1030	4.0	3930	4.8	67	26	55	2.9	180
FEB.									
25...	1400	4.0	2880	3.9	68	26	57	2.5	183
MAR.									
31...	1340	4.0	856	3.6	71	26	56	2.8	183
APR.									
30...	0955	4.0	880	3.3	70	27	59	2.8	186
MAY									
27...	1330	3.0	4010	3.8	70	27	61	2.8	189
JUNE									
24...	1330	5.0	3820	3.8	70	26	59	2.8	185
JULY									
29...	1420	6.0	4280	4.0	72	26	59	2.9	190
AUG.									
27...	1015	7.0	1320	4.1	69	28	62	2.6	189
SEP.									
24...	1030	6.5	2550	4.6	70	28	61	5.6	189

DATE	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
OCT.									
02...	0	210	18	.3	--	--	--	--	--
24...	0	220	18	.3	.75	.48	1.2	.01	525
NOV.									
25...	0	210	18	.3	.13	.56	.69	.01	531
DEC.									
30...	0	210	17	.2	.75	.34	1.1	.00	492
JAN.									
29...	--	220	19	.2	--	--	--	--	--
FEB.									
25...	0	230	18	.3	.63	.39	1.0	.01	518
MAR.									
31...	0	220	18	.2	.66	.26	.92	.01	513
APR.									
30...	0	210	19	.3	.66	.39	1.1	.01	513
MAY									
27...	0	230	18	.3	.77	.40	1.2	.01	521
JUNE									
24...	0	220	18	.2	.69	.30	.99	.07	531
JULY									
29...	0	210	19	.3	.55	.47	1.0	.04	528
AUG.									
27...	0	240	18	.3	.88	.21	1.1	.01	537
SEP.									
24...	0	220	20	.3	.82	.38	1.2	.00	545

09234500 GREEN RIVER NEAR GREENDALE, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT.								
02...	482	.66	4830	280	130	1.5	760	7.6
29...	490	.71	5670	270	120	1.6	730	7.6
NOV.								
25...	484	.72	5560	280	120	1.6	730	7.7
DEC.								
30...	470	.67	5050	270	130	1.5	740	7.9
JAN.								
29...	487	.66	5170	270	120	1.4	790	8.4
FEB.								
25...	496	.70	4030	280	130	1.5	730	8.1
MAR.								
31...	488	.70	1190	280	130	1.4	730	7.8
APR.								
30...	483	.70	1220	290	130	1.5	710	8.7
MAY								
27...	506	.71	5640	290	130	1.6	780	8.1
JUNE								
24...	491	.72	5480	280	130	1.5	760	8.2
JULY								
29...	487	.72	6100	290	130	1.5	750	8.4
AUG.								
27...	517	.73	1910	290	130	1.6	820	8.2
SEP.								
24...	503	.74	3750	290	140	1.6	770	7.8

DATE	TIME	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT.				
29...	1530	--	0	0
FEB.				
25...	1400	--	0	0
MAR.				
31...	1340	--	0	0
MAY				
27...	1330	--	0	1
JULY				
29...	1420	--	0	1
AUG.				
27...	1015	--	0	0
SEP.				
24...	1030	--	0	7

DATE	TIME	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)
OCT.												
29...	1530	150	10	20	0	2	2	<10	0	0	0	<50
FEB.												
25...	1400	110	10	20	0	3	1	<10	0	0	0	<50
APR.												
30...	0955	110	10	--	10	2	2	<10	1	0	0	<50
JULY												
29...	1420	120	10	20	0	1	1	<10	0	--	10	<50

DATE	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT.											
29...	0	<10	3	<100	1	.0	.0	2	0	40	10
FEB.											
25...	3	10	1	<100	3	.0	.0	2	2	40	6
APR.											
30...	0	<10	1	<100	2	.0	.0	1	1	60	0
JULY											
29...	0	<10	1	<100	4	.0	.0	2	1	20	10

GREEN RIVER BASIN

09234500 GREEN RIVER NEAR GREENDALE, UTAH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	815	810	819	770	778	775	790	798	---	790	764	790
2	815	796	813	760	782	771	780	808	820	790	---	770
3	815	791	813	765	786	779	795	---	820	810	---	770
4	815	792	819	770	787	779	790	---	830	---	779	770
5	818	800	791	769	788	780	---	830	820	---	759	---
6	820	799	791	772	784	781	---	809	825	800	781	770
7	815	791	782	775	780	780	800	820	---	800	781	765
8	815	790	791	777	782	780	790	815	---	800	783	760
9	810	788	800	775	783	779	790	811	820	810	---	760
10	810	799	789	775	790	780	790	---	820	810	---	770
11	813	796	789	779	781	780	---	---	820	800	787	---
12	813	799	770	779	783	780	---	815	825	---	782	---
13	815	802	761	781	780	782	---	811	825	---	781	---
14	815	796	761	782	783	782	790	820	---	810	772	770
15	815	805	764	781	787	---	805	830	---	810	770	770
16	817	809	765	785	785	---	810	830	820	800	---	770
17	817	801	769	783	782	785	800	---	820	810	---	770
18	820	810	761	793	783	788	---	---	820	810	781	770
19	820	811	762	785	786	788	---	830	820	---	778	---
20	820	815	764	785	790	792	---	---	820	---	780	---
21	828	824	772	789	791	790	810	821	---	800	782	770
22	820	830	776	788	791	---	775	821	---	810	780	---
23	820	823	773	788	792	---	780	819	820	---	---	765
24	819	832	770	785	792	792	770	---	820	800	---	770
25	820	832	772	789	800	789	780	---	830	800	782	770
26	820	819	776	795	800	789	---	---	820	---	787	---
27	820	819	775	790	796	789	---	820	810	800	787	---
28	820	820	789	790	800	805	770	816	---	800	787	770
29	820	820	781	795	---	---	770	821	---	800	781	770
30	820	832	782	795	---	---	735	829	815	800	---	---
31	820	---	782	795	---	793	---	---	---	810	---	---
MONTH	817	808	781	782	787	784	---	---	---	---	---	---

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	8.5	9.0	6.5	5.0	4.0	4.5	5.0	---	5.0	6.0	6.5
2	8.0	8.5	9.0	6.5	5.0	4.0	4.5	5.0	4.5	5.0	---	6.5
3	8.0	8.5	9.0	6.0	5.0	4.0	4.0	---	4.5	5.0	---	6.5
4	8.0	8.0	9.0	6.0	5.0	4.0	4.0	---	4.5	---	6.0	6.5
5	8.0	---	9.0	6.0	5.0	4.0	---	5.0	5.0	---	6.0	---
6	8.0	---	9.0	6.0	5.0	4.0	---	5.0	5.0	5.0	6.0	7.0
7	8.0	8.5	9.0	6.0	4.5	4.0	4.0	5.0	---	5.0	6.0	7.0
8	8.0	8.5	9.0	6.0	4.5	4.0	4.5	5.0	---	5.5	6.0	7.0
9	8.0	8.5	8.5	6.0	4.5	4.0	4.5	5.0	5.0	5.5	---	7.0
10	8.0	8.5	8.5	6.0	4.5	4.0	4.5	---	5.0	5.5	---	7.0
11	8.0	8.5	8.5	6.0	4.5	4.5	---	---	5.0	5.5	6.0	---
12	8.0	8.5	8.5	6.0	4.5	4.5	---	5.0	5.0	---	6.0	---
13	8.0	8.5	8.5	5.5	4.5	4.5	---	5.0	5.0	---	6.0	---
14	8.0	8.5	8.5	5.5	4.5	4.5	4.5	5.0	---	5.5	6.0	7.0
15	8.0	8.5	8.0	5.5	4.5	---	4.5	5.0	---	5.5	6.0	7.0
16	8.0	8.5	8.0	5.5	4.5	---	4.5	4.5	5.0	5.5	---	7.0
17	8.0	8.5	8.0	5.5	4.5	4.5	4.5	---	5.0	5.5	---	7.0
18	8.0	8.5	8.0	5.5	4.5	4.5	---	---	5.0	5.5	6.5	7.0
19	8.0	8.5	7.5	5.5	4.5	4.5	---	4.5	5.0	---	6.5	---
20	8.0	8.5	7.5	5.5	4.5	4.5	---	---	5.0	---	6.5	---
21	8.0	8.5	7.5	5.5	4.5	4.5	4.5	4.5	---	5.5	6.5	7.0
22	8.0	8.5	7.5	5.5	4.5	---	4.5	4.5	---	5.5	6.5	---
23	8.0	8.5	7.0	5.5	4.0	---	4.5	4.5	5.0	---	---	7.0
24	8.0	8.5	7.0	5.5	4.0	4.5	4.5	---	5.0	5.5	---	7.0
25	8.0	9.0	7.0	5.5	4.0	4.5	4.5	---	5.0	6.0	6.5	7.0
26	8.0	9.0	7.0	5.5	4.0	4.5	---	---	5.0	---	6.5	---
27	8.0	9.0	7.0	5.0	4.0	4.5	---	4.5	5.0	5.5	6.5	---
28	8.0	9.0	7.0	5.0	4.0	4.5	4.5	4.5	---	6.0	6.5	7.0
29	8.0	9.0	7.0	5.0	---	---	5.0	4.5	---	6.0	6.5	7.0
30	8.5	9.0	7.0	5.0	---	---	5.0	4.5	5.0	6.0	---	---
31	8.5	---	6.5	5.0	---	4.5	---	---	---	6.0	---	---
MONTH	8.0	8.5	8.0	5.5	4.5	4.5	---	---	---	---	---	---

09234700 RED CREEK NEAR DUTCH JOHN, UTAH

LOCATION.--Lat 40°58'11", long 109°14'12", in SE¼NW¼ sec.29, T.3 N., R.24 E., Daggett County, at gaging station on right bank 0.5 mi (0.8 km) downstream from Clay Basin Creek, 7.4 mi (11.9 km) upstream from mouth, and 9.0 mi (14.5 km) east of Dutch John.

DRAINAGE AREA.--140 mi² (363 km²).

PERIOD OF RECORD.--Sediment records: February 1971 to current year.

EXTREMES.--Current year:

Sediment concentrations: Maximum daily, 35,200 mg/l July 16; minimum daily, 65 mg/l Jan. 14.

Sediment discharge: Maximum daily, 14,300 tons (12,970 tonnes) May 21; minimum daily, 0.02 tons (0.02 tonnes) Jan. 14.

Period of record:

Sediment concentrations: Maximum daily, 87,000 mg/l Mar. 6, 1972; minimum daily, no flow for several days in 1971.

Sediment discharge: Maximum daily, 25,400 tons (23,040 tonnes) Mar. 6, 1972; minimum daily, 0 tons (0 tonnes) on several days in 1971.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICRO-MHOS)
OCT.				
02...	1600	1.6	15.0	1200
NOV.				
19...	1600	5.6	2.0	1200
DEC.				
09...	1130	6.0	.5	1500
FEB.				
06...	1200	2.0	.0	1650
MAY				
08...	1215	12	1.0	1120
JUNE				
20...	1530	20	16.0	780
JULY				
29...	0915	3.4	17.0	1280
AUG.				
12...	1040	6.2	18.0	1260
23...	1020	2.3	11.0	1400

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER			NOVEMBER			DECEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1.4	696	2.6	14	2480	94	2.8	500	3.8
2	1.4	200	.76	9.5	2300	59	2.6	500	3.5
3	1.6	400	1.7	6.0	1700	28	2.7	518	3.8
4	2.5	790	5.3	3.8	1500	15	2.8	500	3.8
5	6.5	1600	28	4.1	1450	16	2.8	300	2.3
6	3.5	1300	12	4.1	1500	17	2.7	239	1.7
7	2.7	1100	8.0	3.2	1400	12	2.6	200	1.4
8	3.0	897	7.3	4.1	2200	24	2.3	200	1.2
9	2.7	800	5.8	5.6	1900	29	1.9	417	2.1
10	3.5	800	7.6	3.5	1800	17	1.8	365	1.8
11	3.2	742	6.4	2.7	2600	19	1.7	300	1.4
12	3.0	800	6.5	3.0	3050	25	1.7	200	.92
13	3.0	800	6.5	4.1	1700	19	1.6	166	.72
14	3.5	1200	11	3.8	1400	14	1.6	300	1.3
15	3.5	1170	11	5.2	1230	17	1.6	200	.86
16	3.2	1000	8.6	3.2	1200	10	1.6	200	.86
17	3.2	500	4.3	3.5	1200	11	1.6	255	1.1
18	3.5	176	1.7	3.2	1400	12	1.8	260	1.3
19	3.0	200	1.6	1.9	1200	6.2	1.9	260	1.3
20	3.2	400	3.5	1.9	2300	12	1.9	265	1.4
21	3.2	500	4.3	3.8	3000	31	1.8	200	.97
22	5.2	920	13	6.0	2300	37	1.7	200	.92
23	5.6	1250	19	4.5	2000	24	1.6	200	.86
24	6.0	1200	19	3.8	2000	21	1.5	183	.74
25	4.8	600	7.8	4.1	2000	22	1.4	160	.60
26	4.5	200	2.4	3.8	2050	21	1.2	140	.45
27	4.8	300	3.9	3.2	1500	13	.90	100	.24
28	4.8	400	5.2	3.1	1000	8.4	.75	74	.15
29	6.0	500	8.1	3.0	417	3.4	.70	76	.14
30	6.5	612	11	2.9	400	3.1	.70	80	.15
31	14	2100	79	---	---	---	.60	78	.13
MONTH	127	---	313	129	---	640	55	---	42

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JANUARY			FEBRUARY			MARCH		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	.55	80	.12	.45	100	.12	4.3	2500	29
2	.45	80	.10	.45	100	.12	4.3	3200	37
3	.40	78	.08	.45	100	.12	4.3	2000	23
4	.35	70	.07	.80	168	.36	4.3	2300	27
5	.30	70	.06	1.2	180	.58	4.3	3500	41
6	.30	70	.06	2.0	184	.99	4.8	2400	31
7	.25	68	.05	2.3	157	.98	4.8	4400	57
8	.25	70	.05	2.6	160	1.1	4.8	6750	87
9	.20	100	.05	2.7	180	1.3	4.8	6900	89
10	.20	175	.09	2.9	200	1.6	4.8	5200	67
11	.16	100	.04	3.0	262	2.1	5.2	3760	53
12	.12	100	.03	3.2	300	2.6	5.8	4550	71
13	.13	80	.03	3.3	300	2.7	6.2	6400	107
14	.13	65	.02	3.4	400	3.7	6.6	3950	70
15	.13	100	.04	3.4	300	2.8	7.0	5060	96
16	.14	100	.04	3.5	300	2.8	7.5	4260	86
17	.14	171	.06	3.5	300	2.8	8.0	3970	86
18	.15	200	.08	3.5	420	4.0	8.2	5130	114
19	.17	160	.07	3.5	400	3.8	8.5	4640	106
20	.20	120	.06	3.2	300	2.6	8.8	3290	78
21	.25	115	.08	3.3	259	2.3	8.8	2330	55
22	.30	120	.10	3.3	300	2.7	9.0	4830	117
23	.30	160	.13	3.3	300	2.7	9.0	2990	73
24	.30	203	.16	3.3	1000	8.9	9.2	3600	89
25	.40	200	.22	3.3	1200	11	9.5	3600	92
26	.40	200	.22	3.6	1100	11	9.5	3100	80
27	.45	200	.24	3.6	1100	11	9.3	3800	95
28	.50	192	.26	3.6	1600	16	8.2	2400	53
29	.50	100	.14	---	---	---	7.5	4100	83
30	.50	100	.14	---	---	---	7.4	7200	144
31	.50	74	.10	---	---	---	7.3	6400	126
MONTH	9.1	---	3.0	77	---	103	212	---	2360
DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	6.9	5300	99	8.3	2930	66	28	8000	605
2	7.0	7600	144	8.2	2910	64	28	8300	627
3	6.9	3900	73	9.0	2960	72	31	6000	502
4	10	2390	65	15	7200	292	29	4590	359
5	14	1820	69	17	6000	275	27	4000	292
6	11	3340	99	10	3500	94	27	3200	233
7	8.4	3750	85	13	8090	284	33	6000	535
8	6.1	2650	44	37	23200	2320	37	8000	799
9	5.6	2010	30	21	20100	1140	28	7000	529
10	6.3	1100	19	12	9000	292	29	6460	506
11	5.6	778	12	14	4640	175	24	7000	454
12	5.3	1240	18	16	4960	214	22	7000	416
13	6.5	2150	38	9.9	3770	101	21	7580	430
14	7.3	3680	73	15	3350	136	21	7000	397
15	7.7	2590	54	16	5200	225	20	6000	324
16	8.7	2600	61	19	5400	277	19	5010	257
17	14	2800	106	24	10800	700	19	3600	185
18	8.8	1300	31	21	6030	340	29	7200	564
19	5.9	1290	21	24	5400	350	27	5600	408
20	7.1	1180	23	120	30200	9780	21	3300	187
21	8.8	3680	87	207	25500	14300	19	2500	128
22	9.0	3210	78	149	17500	7040	18	3000	146
23	11	2950	88	65	9000	1580	15	3000	121
24	14	1690	64	56	14200	2150	13	3550	125
25	15	2700	109	51	13000	1790	11	3000	89
26	20	7200	389	24	4000	259	11	3000	89
27	11	4400	131	24	8000	518	9.7	2790	73
28	8.5	3400	78	36	16800	1630	8.6	2400	56
29	9.2	3600	89	75	33500	6780	7.7	2000	42
30	9.3	3670	92	45	17500	2130	7.0	1590	30
31	---	---	---	31	8330	697	---	---	---
MONTH	275	---	2370	1190	---	56070	640	---	9510

GREEN RIVER BASIN

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09234700 RED CREEK NEAR DUTCH JOHN, UTAH--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	6.3	1500	26	2.1	222	1.3	.47	200	.25
2	6.0	1400	23	2.3	2000	12	.57	281	.43
3	3.3	1350	12	2.4	2000	13	.81	300	.66
4	10	20300	548	2.3	2000	12	.79	360	.77
5	20	34500	1860	2.2	2270	13	.70	372	.70
6	11	29600	879	2.7	2000	15	.83	400	.90
7	14	29900	1130	2.2	1600	9.5	.79	460	.98
8	8.1	6000	131	1.8	1400	6.8	.99	482	1.3
9	9.1	5000	123	1.6	1020	4.4	1.1	1000	3.0
10	7.1	4000	77	1.9	1500	7.7	61	14600	2400
11	3.7	3710	37	8.2	10100	224	15	13900	563
12	3.2	3000	26	6.4	6460	112	3.4	2000	18
13	4.2	2500	28	3.8	3000	31	13	6160	216
14	3.9	2250	24	3.2	2000	17	10	11300	305
15	3.4	4000	37	4.9	1000	13	2.4	2000	13
16	74	35200	7030	4.9	1000	13	1.8	1100	5.3
17	27	15000	1090	2.1	800	4.5	1.4	900	3.4
18	7.5	4000	81	1.4	600	2.3	1.2	700	2.3
19	5.2	3000	42	1.1	593	1.8	1.5	682	2.8
20	5.5	2000	30	1.0	560	1.5	1.6	700	3.0
21	4.8	1390	18	1.8	500	2.4	1.7	700	3.2
22	4.5	1700	21	1.5	480	1.9	1.9	944	4.8
23	3.3	1000	8.9	1.1	453	1.3	1.6	738	3.2
24	2.8	1000	7.6	.64	480	.83	1.5	700	2.8
25	2.6	942	6.6	.72	500	.97	1.2	500	1.6
26	2.5	1000	6.8	.86	507	1.2	1.1	397	1.2
27	2.7	1500	11	.85	500	1.1	1.0	400	1.1
28	2.7	1450	11	1.2	400	1.3	1.1	500	1.5
29	3.1	878	7.3	.89	200	.48	1.2	500	1.6
30	2.9	900	7.0	.72	138	.27	1.2	510	1.7
31	2.8	600	4.5	.52	200	.28	---	---	---
MONTH	267	---	13340	69	---	527	133	---	3560
YEAR	3180		88840						

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- CHARGE (CFS)	SUS- PENDED SEDIM- ENT (MG/L)	SUS- PENDED SEDIM- ENT DIS- CHARGE (T/DAY)	SUS- SED. FALL DIAM. % FINER THAN .002 MM	SUS- SED. FALL DIAM. % FINER THAN .004 MM
NOV.							
01...	1700	10.0	10	1690	46	74	81
19...	1600	2.0	6.0	1600	26	18	21
MAR.							
05...	1215	.0	4.0	1030	11	32	44
APR.							
08...	1530	4.5	6.9	1750	33	54	58
MAY							
08...	1230	8.0	14	3110	118	38	41
08...	2010	9.5	128	69300	24000	39	45
29...	0900	4.5	125	29200	9860	18	19
JUNE							
20...	1430	16.0	20	3320	179	15	18
JULY							
16...	1930	16.0	109	93000	27400	22	26
AUG.							
11...	2025	16.5	36	42100	4070	44	57
12...	1000	18.0	6.5	6150	108	61	76
SEP.							
10...	1840	14.0	86	36800	8550	47	51

GREEN RIVER BASIN

09234700 RED CREEK NEAR DUTCH JOHN, UTAH--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
NOV.						
01...	48	90	94	100	--	--
19...	38	52	60	88	97	100
MAY						
05...	66	77	86	94	100	--
APR.						
04...	46	94	96	99	100	--
MAY						
04...	48	70	87	93	100	--
08...	53	87	93	98	100	--
20...	28	52	85	99	100	--
JUNE						
20...	20	33	56	88	97	100
JULY						
16...	37	68	82	97	100	--
AUG.						
11...	78	86	91	94	95	100
12...	86	90	93	97	100	--
SEP.						
10...	64	90	98	100	--	--

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	VIS- CHARGE (CFS)	BED MAT. FALL DIAM. % FINER THAN .062 MM	BED MAT. FALL DIAM. % FINER THAN .125 MM	BED MAT. FALL DIAM. % FINER THAN .250 MM	BED MAT. FALL DIAM. % FINER THAN .500 MM
APR.							
08...	1530	4.5	6.9	1	6	32	57
JUNE							
20...	1430	16.0	20	1	8	34	61

DATE	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM	BED MAT. SIEVE DIAM. % FINER THAN 32.0 MM
APR.						
08...	72	79	86	94	100	--
JUNE						
20...	70	76	82	89	95	100

09261000 GREEN RIVER NEAR JENSEN, UTAH

LOCATION.--Lat 40°24'34", long 109°14'05", in NE&SW&SE& sec.5, T.5 S., R.24 E., Uintah County, at gaging station 300 ft (91 m) upstream from highway bridge, 1 mi (2 km) downstream from Cub Creek and Chew Ranch, 4 mi (6 km) southeast of Dinosaur National Monument headquarters, 6.5 mi (10.5 km) northeast of Jensen, 12 mi (19 km) upstream from Brush Creek, and 313.9 mi (505.1 km) from mouth.

DRAINAGE AREA.--25,400 mi² (65,786 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: June 1947 to September 1952, April 1962 to current year.

Water temperatures: March 1949 to September 1959, October 1961 to current year.

Sediment records: May 1948 to current year.

EXTREMES.--Current year:

Specific conductance: Maximum daily, 858 micromhos Mar. 31; minimum daily, 260 micromhos June 10.

Water temperatures: Maximum, 21.0°C July 10; minimum, freezing point on several days during December to February.

Sediment concentrations: Maximum daily, 2,250 mg/l May 20; minimum daily, 20 mg/l Jan. 20.

Sediment discharge: Maximum daily, 104,000 tons (94,350 tonnes) May 20; minimum daily, 83 tons (75 tonnes) Jan. 20.

Period of record:

Specific conductance (1947-52, 1962 to current year): Maximum daily, 2,330 micromhos Sept. 10, 1963; minimum daily, 176 micromhos May 24, 1963.

Water temperatures: Maximum, 30.0°C July 11, 1958; minimum (1949-59, 1961-64, 1965 to current year), freezing point on many days during winter period each year.

Sediment concentrations: Maximum daily, 40,600 mg/l Aug. 23, 1960; minimum daily, 9 mg/l Oct. 7-11, 1953, Nov. 22, 1962, Sept. 1, 1972.

Sediment discharge: Maximum daily, 2,500,000 tons (2,268,000 tonnes) Mar. 29, 1962; minimum daily, 10 tons (9.1 tonnes) on many days in 1962-63.

REMARKS.--Chemical-quality samples and temperature data collected at site 8 mi (13 km) downstream from gaging station.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT.												
03...	1500	10.5	1650	4.2	66	26	62	3.3	184	0	200	23
NOV.												
22...	1330	5.0	1830	5.2	67	25	62	3.1	191	2	190	22
DEC.												
06...	1700	5.0	3340	5.5	68	26	62	3.1	197	0	200	24
JAN.												
10...	1500	1.0	3130	5.7	64	26	57	3.0	187	0	200	23
FEB.												
13...	1315	3.0	2970	5.6	62	26	62	3.0	187	0	200	23
MAR.												
18...	1245	6.0	2130	5.8	62	26	62	3.0	190	0	190	23
APR.												
09...	1300	7.0	2890	6.0	60	27	84	3.1	202	0	220	30
MAY												
13...	1300	14.5	5350	9.3	47	19	35	2.5	157	0	120	12
21...	1315	9.5	18500	8.1	29	9.8	20	1.8	103	0	63	7.4
JUNE												
30...	1500	17.0	12100	7.3	37	14	27	1.6	112	0	92	8.6
JULY												
25...	1400	15.5	6060	5.7	56	20	47	2.5	164	0	160	15
AUG.												
11...	1400	16.0	4540	4.0	53	27	58	2.8	184	0	200	20
SEPT.												
25...	1630	13.0	1470	3.4	69	25	65	3.1	202	0	200	23

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHOS- PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	NON- CAR- BONATE HARD- NESS (CA+MG) (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT.											
03...	.3	.35	.00	900	479	.65	2130	270	1.6	770	8.1
NOV.											
22...	.3	.56	.00	120	473	.64	2340	270	1.6	750	8.4
DEC.											
06...	.2	.57	.12	100	489	.67	4410	280	1.6	740	8.1
JAN.											
10...	.2	.58	.00	90	474	.64	4010	270	1.5	700	8.4
FEB.											
13...	.3	.66	.00	90	477	.65	3830	260	1.7	760	7.8
MAR.											
18...	.4	.48	.09	90	468	.64	2690	260	1.7	760	8.1
APR.											
09...	.3	.33	.00	110	532	.72	4170	260	2.3	850	8.2
MAY											
13...	.2	.19	.15	70	323	.44	4660	200	1.1	510	8.1
21...	.2	.30	.06	70	192	.26	9590	110	.8	315	7.8
JUNE											
30...	.2	.29	.00	40	244	.33	7840	150	1.0	400	7.5
JULY											
25...	.2	.43	.06	100	389	.53	6360	220	1.4	650	8.0
AUG.											
11...	.3	.68	.03	80	469	.64	5750	270	1.5	750	8.2
SEPT.											
25...	.3	.66	.03	100	491	.67	1950	280	1.7	810	8.4

09261000 GREEN RIVER NEAR JENSEN, UTAH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

[illegible]

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

[illegible]

09261000 GREEN RIVER NEAR JENSEN, UTAH--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER			NOVEMBER			DECEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2910	100	786	4040	80	873	2860	150	1160
2	2860	90	695	4660	130	1640	2760	170	1270
3	2480	100	670	4020	60	651	2660	130	934
4	2760	90	671	3200	90	778	3090	170	1420
5	3170	120	1030	3740	130	1310	3060	160	1320
6	3070	120	995	3490	130	1220	3180	182	1560
7	2440	90	593	3580	140	1350	2760	150	1270
8	3090	120	1000	3800	120	1230	2990	200	1610
9	3220	100	869	3490	130	1220	2480	130	870
10	3140	110	933	3490	140	1320	2550	120	826
11	3220	110	956	3150	110	936	2740	110	814
12	3150	80	680	3140	130	1100	2570	100	694
13	3100	130	1090	3060	120	991	2740	130	962
14	3120	120	1010	3070	120	995	2740	130	962
15	3100	110	921	3070	160	1330	2720	130	955
16	3250	90	790	2860	150	1160	2610	120	846
17	3850	80	832	3040	140	1150	3230	160	1400
18	3990	50	539	2410	130	846	3250	110	965
19	4260	80	920	3040	140	1150	3420	160	1480
20	3440	60	557	3050	110	906	3120	95	800
21	3090	60	501	3280	140	1240	2740	110	814
22	3540	80	765	2990	130	1050	2410	84	547
23	4080	80	881	2650	170	1220	1880	26	132
24	3950	70	747	2720	170	1250	2850	120	923
25	3890	70	735	1970	90	479	3490	140	1320
26	4300	90	1040	2410	120	781	2200	40	238
27	4460	120	1450	3220	200	1740	2660	90	646
28	3400	70	643	2930	170	1340	3180	100	859
29	3930	100	1060	2240	130	786	3460	150	1400
30	3780	50	510	2800	170	1290	2450	75	496
31	4040	80	873	---	---	---	2860	---	---
MONTH	106080	---	25740	94610	---	33330	88090	---	29490

DAY	JANUARY			FEBRUARY			MARCH		
	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2990	90	727	3060	80	661	3080	120	998
2	3150	150	1280	2240	50	302	2550	200	1380
3	3070	160	1330	2070	60	335	2020	120	654
4	3510	150	1420	2500	60	405	2340	180	1140
5	3340	140	1260	3060	90	744	2850	200	1540
6	3040	90	739	3340	90	812	2970	180	1440
7	3380	110	1000	3540	85	812	3280	220	1950
8	3300	150	1340	3250	80	702	3020	180	1470
9	3470	160	1500	3300	90	802	2540	140	960
10	3140	180	1530	2480	60	402	2730	180	1330
11	3220	180	1560	2730	70	516	3150	310	2640
12	3590	180	1740	3220	150	1300	3250	360	3160
13	3410	160	1470	3520	160	1520	3060	310	2560
14	3540	130	1240	3950	180	1920	3230	300	2620
15	3140	110	933	3470	120	1290	3200	260	2250
16	3030	110	900	3890	80	840	2960	230	1840
17	2870	100	775	3950	50	533	2550	300	2070
18	2910	120	943	3830	40	414	2700	340	2480
19	2190	60	355	4160	60	674	3040	320	2630
20	1530	20	83	4160	50	562	3070	380	3150
21	2280	90	554	4420	70	835	3150	500	4250
22	2610	70	493	4300	50	580	2480	400	2680
23	3190	150	1290	4220	60	684	2380	400	2570
24	2760	90	671	3710	40	401	2150	320	1860
25	2970	110	882	3700	50	499	2130	280	1610
26	1990	50	269	3160	32	273	2330	460	2890
27	1720	35	163	3070	70	580	1970	420	2230
28	2080	60	337	3440	110	1020	1470	380	1510
29	3140	110	933	---	---	---	1970	540	2870
30	3350	120	1090	---	---	---	2270	410	2510
31	3250	80	702	---	---	---	1700	160	734
MONTH	91160	---	29510	96240	---	20420	81590	---	63980

09261000 GREEN RIVER NEAR JENSEN, UTAH--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1860	60	301	4060	780	8550	11300	500	15300
2	1880	160	812	3600	480	4670	11400	650	20000
3	2130	120	690	3300	250	2230	12400	600	20100
4	2170	200	1170	3230	160	1400	14900	650	26100
5	2220	240	1440	3490	200	1880	16500	1100	49000
6	1720	60	279	4320	550	6420	17600	950	45100
7	1760	50	238	5370	500	7250	17400	1100	51700
8	2300	300	1860	5180	350	4900	18100	800	39100
9	2910	1250	9820	4970	500	6710	19100	800	41300
10	2770	760	5680	4310	400	4650	20200	600	32700
11	2310	400	2490	3720	250	2510	18000	660	32100
12	2060	200	1110	4090	290	3200	14100	400	15200
13	1940	160	838	5290	940	13400	11700	360	11400
14	2000	200	1080	6680	1300	23400	11400	180	5540
15	2480	350	2340	6610	1000	17800	13000	300	10500
16	3570	700	6750	4060	970	21100	15500	450	18800
17	3400	500	4590	10100	1250	34100	16500	690	30700
18	3340	650	5860	12200	1350	44500	17000	510	23400
19	3810	1400	14400	15200	1830	75100	15500	300	12600
20	3440	1200	11100	17100	2250	104000	13800	300	11200
21	2900	700	5480	17800	2150	103000	13500	450	16400
22	2980	750	6030	17100	1800	83100	11000	100	2970
23	3220	800	6960	17600	1500	71300	11000	210	6240
24	3820	1000	10300	15100	1300	53000	11800	420	13400
25	4580	1450	17900	11900	900	28900	11600	270	8460
26	4980	1450	19500	10400	760	21300	12100	400	13100
27	5460	1250	18400	11500	850	26400	12800	700	24200
28	6570	1300	23100	11400	620	19100	12000	350	11300
29	6350	1400	24000	11800	650	20700	11600	300	9400
30	4860	1000	13100	14400	1760	68400	11900	350	11200
31	---	---	---	13500	1260	45900	---	---	---
MONTH	95790	---	217620	283380	---	928870	424700	---	628510
DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	12000	300	9720	5400	52	758	2900	150	1170
2	12000	200	6480	5390	60	873	2720	150	1100
3	11800	200	6370	5420	80	1170	2760	120	894
4	11900	250	8030	5350	104	1500	2210	100	597
5	11600	250	7830	5280	60	855	2400	150	972
6	12000	480	15600	5190	29	406	1960	70	370
7	11900	440	14100	5120	30	415	1700	100	459
8	12100	700	22900	4990	30	404	1650	60	267
9	11500	450	14000	4810	40	519	2080	100	562
10	11200	450	13600	4740	60	768	2170	100	586
11	11100	600	18000	4660	78	981	2500	120	810
12	10600	600	17200	4620	80	998	2460	130	863
13	9580	370	9570	3740	150	1510	2120	100	572
14	8890	260	6240	3480	190	1790	2110	100	570
15	8230	220	4890	4060	400	4380	1960	210	1110
16	7980	200	4310	3990	200	2150	2090	150	846
17	7940	200	4290	4000	150	1620	1540	280	1160
18	7860	180	3820	4100	150	1660	1510	200	815
19	7910	160	3420	4120	150	1670	1530	200	826
20	7540	120	2440	4170	170	1910	1540	120	499
21	7070	109	2080	3650	120	1180	1500	110	445
22	6730	100	1820	2740	50	370	1400	130	491
23	6450	99	1720	3230	100	872	1560	100	421
24	6300	90	1530	3310	90	804	1800	100	486
25	6220	240	4030	2790	50	377	2210	170	1010
26	6430	300	5210	2580	80	557	2160	150	875
27	6260	140	2370	2470	50	333	2090	180	1020
28	6140	60	995	2300	80	497	1840	130	646
29	5750	50	776	2610	90	634	1460	80	315
30	5510	100	1490	2790	100	753	1450	60	235
31	5410	90	1310	2970	150	1200	---	---	---
MONTH	273900	---	216140	124070	---	33910	59380	---	20990
YEAR	1818990		248520						

GREEN RIVER BASIN

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09261000 GREEN RIVER NEAR JENSEN, UTAH--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- CHARGE (CFS)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SED- IMENT CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINEH THAN .002 MM	SUS. SED. FALL DIAM. % FINEH THAN .004 MM
MAR. 18...	1245	6.0	2130	207	1190	60	71
APR. 09...	1300	7.0	2900	2260	17700	65	75
MAY 13...	1300	14.5	5340	878	12700	28	32
21...	1315	9.5	12500	2170	102000	32	35
JUNE 30...	1500	17.0	11900	333	10700	13	17

DATE	SUS. SED. FALL DIAM. % FINEH THAN .016 MM	SUS. SED. FALL DIAM. % FINEH THAN .062 MM	SUS. SED. FALL DIAM. % FINEH THAN .125 MM	SUS. SED. FALL DIAM. % FINEH THAN .250 MM	SUS. SED. FALL DIAM. % FINEH THAN .500 MM	SUS. SED. FALL DIAM. % FINEH THAN 1.00 MM
MAR. 18...	--	91	93	99	100	--
APR. 09...	94	95	97	100	--	--
MAY 13...	41	55	72	92	100	--
21...	42	64	74	93	100	--
JUNE 30...	--	48	76	97	100	--

09302000 DUCHESNE RIVER NEAR RANDLETT, UTAH

LOCATION.--Lat 40°12'57", long 109°47'05", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.3 S., R.2 E., Uintah meridian, Uintah County, at gaging station 0.2 mi (0.3 km) downstream from Uinta River, 1.2 mi (1.9 km) southeast of Randlett, and 6.5 mi (10.5 km) southeast of Fort Duchesne.

DRAINAGE AREA.--3,920 mi² (10,150 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: December 1950 to September 1951, November 1956 to current year.
Water temperatures: December 1950 to September 1951, November 1956 to current year.

EXTREMES.--Current year:

Specific conductance: Maximum daily, 3,240 micromhos Nov. 16; minimum daily, 270 micromhos June 26-28, 30.

Water temperatures: Maximum, 26.0°C Aug. 5; minimum freezing point on many days during winter period.

Period of record:

Specific conductance (1950-51, 1956-60, 1961 to current year): Maximum daily, 4,490 micromhos Aug. 24, 1960; minimum daily, 270 micromhos June 26-28, 30, 1975.

Water temperatures: Maximum, 28.0°C July 22, 1974; minimum, freezing point on many days during winter period each year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)
OCT.											
04...	1800	16.5	85	9.5	130	79	310	4.2	340	0	840
NOV.											
11...	1130	4.5	102	9.3	120	81	340	1.7	360	0	850
DEC.											
03...	1600	.5	134	13	180	98	340	3.0	419	0	970
09-11	--	1.5	131	11	140	120	320	3.9	338	--	920
JAN.											
08-09	--	.0	200	13	130	67	220	4.4	305	--	580
15...	1230	.0	168	10	74	37	100	2.1	208	0	290
FEB.											
11...	1640	.5	188	10	84	48	130	2.2	255	0	360
MAR.											
13...	1730	7.5	130	6.8	130	83	260	4.0	358	0	730
APR.											
07...	1435	7.5	81	8.3	150	88	320	4.0	361	0	920
MAY											
14...	1300	18.0	130	8.1	120	83	270	4.5	345	0	750
22...	1400	12.0	905	9.3	79	44	130	3.7	241	0	380
JUNE											
10...	1600	11.0	2550	5.7	33	15	31	1.3	120	0	92
JULY											
03-05	--	--	A4770	5.0	28	10	17	1.3	103	--	53
23-25	--	--	A888	12	79	42	110	3.2	253	--	320
24...	1330	20.0	847	11	63	32	77	2.5	215	0	230
30...	1130	21.0	543	14	98	53	170	4.6	203	0	500
AUG.											
26...	1445	21.0	133	12	130	65	200	4.0	321	23	610
SEP.											
23...	1630	17.0	140	12	110	61	190	4.1	311	0	570

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT.										
04...	120	--	--	--	--	--	--	--	1660	2.26
NOV.										
11...	130	--	--	--	--	--	--	--	1710	2.33
DEC.										
03...	160	--	--	--	--	--	--	--	1980	2.69
09-11	170	--	--	--	--	--	--	--	1860	2.53
JAN.										
08-09	140	--	--	--	--	--	--	--	1310	1.78
15...	70	--	--	--	--	--	--	--	688	.94
FEB.										
11...	71	--	--	--	--	--	--	--	834	1.13
MAR.										
13...	100	--	--	--	--	--	--	--	1490	2.03
APR.										
07...	130	--	--	--	--	--	--	--	1800	2.45
MAY										
14...	110	--	--	--	--	--	--	--	1520	2.07
22...	46	--	--	--	--	--	--	--	812	1.10
JUNE										
10...	9.9	--	--	--	--	--	--	--	248	.34
JULY										
03-05	8.6	--	--	--	--	--	--	--	174	.24
23-25	52	--	--	--	--	--	--	--	745	1.01
24...	29	--	--	--	--	--	--	--	552	.75
30...	90	.23	.04	1.1	1.1	1.3	.63	1080	1030	1.47
AUG.										
26...	81	.07	.00	.52	.52	.59	.12	1320	1280	1.80
SEP.										
23...	82	.06	.00	.67	.67	.73	.07	1250	1180	1.70

A Daily mean discharge

GREEN RIVER BASIN

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09302000 DUCHESNE RIVER NEAR RANDLETT, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS- SOLVED OXYGEN (MG/L)
OCT. 04...	382	650	370	5.3	2190	8.3	2.7	--	--	9.0
NOV. 11...	471	630	340	5.9	2400	8.3	2.9	--	--	10.8
DEC. 03...	716	850	510	5.1	2800	8.0	6.7	--	--	9.8
09-11	--	840	570	4.8	2600	--	--	--	--	--
JAN. 08-09	--	600	350	3.9	2000	--	--	--	--	--
15...	312	340	170	2.4	1100	7.6	8.4	--	--	10.4
FEB. 11...	423	410	200	2.8	1050	7.3	20	--	--	9.5
MAR. 13...	523	670	370	4.4	2220	7.8	9.1	--	--	11.4
APR. 07...	397	740	440	5.1	2500	7.7	12	--	--	10.9
MAY 14...	534	640	360	4.6	2400	8.1	4.4	--	--	8.4
22...	1980	380	180	2.9	1160	7.8	6.1	--	--	7.7
JUNE 10...	1710	140	46	1.1	400	8.0	1.9	--	--	9.6
JULY 03-05	--	110	27	.7	294	--	--	--	--	--
23-25	--	370	160	2.5	1150	--	--	--	--	--
24...	1260	290	110	2.0	920	7.6	8.6	--	--	7.3
30...	1510	460	300	3.4	1540	8.4	1.3	--	14	7.1
AUG. 26...	460	590	290	3.6	1830	8.6	1.5	--	7.3	11.2
SEP. 23...	446	530	270	3.6	1670	8.3	2.5	--	9.0	9.5

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2420	2710	1260	1080	1270	1210	1940	2580	1340	995	1030	1700
2	2470	2600	1280	1520	1100	1180	1960	2570	860	500	1560	1900
3	2370	---	1290	1490	1260	1300	2200	2760	380	290	1080	2000
4	2450	2660	1280	1500	1280	1440	2140	3200	380	300	1080	1900
5	2440	2590	1280	1180	1270	1360	2450	2960	390	290	1070	1900
6	2520	2550	1290	1310	1130	1440	1860	2550	580	360	1270	1900
7	2360	2600	1290	1220	1260	1600	1800	2310	380	330	---	1900
8	2370	---	1290	1940	1290	1790	2300	2540	380	300	1600	1750
9	2290	2500	2630	2070	1220	1700	2210	2550	390	355	1760	1900
10	2170	2470	2730	1160	1130	1790	2090	2550	500	330	1650	1900
11	2230	2660	2820	973	1150	1860	2210	2310	875	320	1650	1980
12	2480	2730	1420	1200	1400	2140	2110	2840	720	360	1600	2000
13	---	2700	1300	999	1410	2180	2070	2670	330	440	1530	1750
14	---	2900	1300	1170	1420	2350	2150	1510	745	480	1520	1990
15	2330	3150	1300	1150	1380	2170	2150	---	440	900	981	1930
16	2500	3240	1130	1150	1380	2350	2090	---	440	890	1620	2000
17	2380	3080	1160	1150	1520	2360	1700	---	390	760	1670	2000
18	2370	2820	1140	1120	1340	2340	1760	1650	400	970	1590	1980
19	2300	2990	1150	1140	1940	2420	1360	1510	380	570	1590	1780
20	2340	2800	1170	1150	1970	2370	1640	1480	280	590	1820	2030
21	2430	2910	1150	1120	1970	2360	2090	1790	290	580	1830	2050
22	2430	2800	1160	1120	1320	2350	2050	1470	380	790	1820	2050
23	2480	2790	1100	1170	1190	2300	2500	1490	290	1060	1830	2000
24	2660	2580	1120	1170	1970	2440	2230	1530	280	1300	1600	2000
25	2650	660	1120	1140	1270	2580	2200	1760	280	1060	1660	2030
26	2590	2660	1110	1290	1260	2460	2230	1760	270	1300	1520	2000
27	2620	2330	1110	1360	1190	2430	2250	1650	270	1600	1680	2050
28	2620	---	1120	1400	1230	2020	2240	1600	270	1240	1790	2050
29	2520	---	1120	1400	---	2250	2240	1600	280	790	1800	2050
30	2720	2360	1130	1400	---	2300	---	1560	270	970	1800	1900
31	2770	---	1130	1410	---	2630	---	790	---	1400	1800	---
MONTH	2460	2650	1350	1280	1380	2050	2080	2060	449	723	1560	1940

GREEN RIVER BASIN

09302000 DUCHESNE RIVER NEAR RANDLETT, UTAH--Continued

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.5	7.5	0.0	0.0	0.0	0.0	7.0	14.5	9.5	19.0	23.0	18.0
2	11.0	6.5	0.0	0.0	0.0	0.0	7.5	18.0	10.0	20.0	23.5	18.5
3	13.0	---	0.0	0.0	0.0	0.0	8.0	16.0	20.5	21.0	24.0	17.0
4	15.0	4.5	0.0	0.0	0.0	0.0	9.0	7.0	19.0	16.0	23.0	19.0
5	13.0	4.5	0.0	0.0	0.0	0.0	13.5	13.0	17.0	20.0	26.0	18.0
6	10.0	8.0	0.0	0.0	0.0	0.0	10.5	11.5	18.5	19.5	24.0	16.5
7	15.5	4.5	0.0	0.0	0.0	0.0	6.5	11.0	20.0	21.0	---	17.0
8	10.0	---	0.0	0.0	0.0	0.0	8.5	15.0	21.5	22.0	24.0	17.5
9	10.5	5.0	1.5	0.0	0.0	0.0	10.0	16.0	19.0	21.0	25.0	17.5
10	17.0	6.5	3.5	0.0	0.0	0.0	10.0	17.0	11.5	20.0	22.0	18.0
11	15.0	5.0	0.5	0.0	0.0	0.0	10.5	22.0	15.0	19.0	23.0	18.5
12	10.0	3.5	1.5	0.0	0.0	0.0	6.5	19.5	16.5	20.0	20.5	19.0
13	---	4.0	0.0	0.0	0.0	0.0	8.0	19.0	18.5	19.0	21.0	19.0
14	---	4.5	0.5	0.0	0.0	0.0	10.5	20.0	17.0	20.0	19.0	20.0
15	13.0	3.0	0.0	0.0	0.0	0.0	10.0	---	17.5	19.0	19.5	20.0
16	12.0	2.0	0.0	0.0	0.0	0.0	11.0	---	23.5	18.0	20.0	18.5
17	10.0	2.0	0.0	0.0	0.0	0.0	11.0	---	22.5	20.0	18.5	17.5
18	12.0	5.0	1.5	0.0	0.0	0.0	11.0	17.5	11.0	20.0	18.0	19.5
19	14.5	4.0	0.0	0.0	0.0	0.0	5.5	16.5	9.0	19.0	19.0	17.0
20	14.5	5.0	0.0	0.0	0.0	8.0	10.5	13.0	14.5	21.0	18.0	19.0
21	13.0	3.0	0.0	0.0	0.0	7.0	13.0	12.0	19.5	22.0	17.0	---
22	12.0	5.0	0.0	0.0	0.0	7.0	13.5	13.5	17.0	24.0	17.5	21.0
23	11.0	5.5	0.0	0.0	0.0	4.5	13.0	12.5	20.0	20.5	17.0	21.0
24	10.5	1.5	0.0	0.0	0.0	8.0	4.5	13.5	21.0	25.0	18.5	---
25	10.0	2.5	0.0	0.0	0.0	8.0	14.0	12.5	22.5	22.0	19.0	---
26	10.5	2.5	0.0	0.0	0.0	5.0	13.5	14.5	22.0	23.0	20.0	---
27	10.0	2.0	0.0	0.0	0.0	4.0	7.0	15.0	21.0	22.5	19.5	---
28	9.0	---	0.0	0.0	0.0	3.0	16.0	16.5	16.0	22.0	19.0	---
29	10.0	---	0.0	0.0	---	1.5	15.5	14.5	23.0	25.5	19.5	---
30	9.0	0.5	0.0	0.0	---	4.0	---	20.0	22.0	24.0	20.0	---
31	8.5	---	0.0	0.0	---	6.0	---	19.5	---	23.5	21.0	---
MONTH	12.0	4.0	0.5	0.0	0.0	2.0	10.0	15.5	18.0	21.0	20.5	---

GREEN RIVER BASIN

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09306500 WHITE RIVER NEAR WATSON, UTAH

LOCATION.--Lat 39°58'46", long 109°10'41", in SE¼SW¼NE¼ sec.2, T.10 S., R.24 E., Uintah County, at bridge on State Highway 45, 350 ft (110 m) upstream from gaging station, about 1 mi (2 km) downstream from Evacuation Creek, and 7 mi (11 km) north of Watson.

DRAINAGE AREA.--4,020 mi² (10,410 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: December 1950 to current year.

Water temperatures: December 1950 to current year.

EXTREMES.--Current year:

Specific conductance: Maximum daily, 1,050 micromhos Dec. 30, Apr. 7; minimum daily, 325 micromhos June 18.

Water temperatures: Maximum, 22.5°C July 28; minimum, freezing point on many days during winter period.

Period of record:

Specific conductance: Maximum daily, 4,450 micromhos Aug. 4, 1955; minimum daily, 295 micromhos June 26, 1971.

Water temperatures: Maximum, 31.0°C Aug. 8, 1954; minimum, freezing point on many days during winter period each year.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT...												
09...	1030	11.0	447	14	66	25	60	2.0	224	0	160	32
22...	1635	12.0	416	12	67	25	67	2.4	224	0	170	35
NOV...												
12...	1100	3.0	413	13	62	23	61	1.0	224	3	150	32
21...	1500	3.0	438	12	75	24	75	1.9	244	0	180	36
DEC...												
03...	1230	.0	239	15	77	31	83	2.4	288	0	190	45
16...	1031	.0	381	14	73	26	68	1.6	257	0	160	40
JAN...												
06...	1030	1.0	255	17	76	28	76	2.1	280	0	180	46
20...	1200	.5	374	16	70	24	64	2.1	235	0	150	37
FEB...												
03...	1100	.0	412	17	75	25	69	2.2	252	0	180	40
17...	0950	.0	396	15	66	26	70	2.0	244	0	170	41
MAR...												
03...	1200	.0	595	13	67	30	90	2.6	229	0	210	46
18...	--	2.0	482	12	70	31	84	2.5	235	0	200	48
APR...												
05...	1330	--	443	11	64	26	70	2.0	208	1	190	35
07...	1045	6.0	530	12	74	34	110	2.6	269	0	250	44
23...	1425	14.0	443	12	72	33	84	2.2	243	0	220	41
MAY...												
05...	1333	10.5	544	12	65	27	66	2.1	215	0	180	35
21...	1435	11.0	2340	11	41	15	30	1.9	157	0	81	13
JUNE...												
02...	1240	16.5	1670	12	46	19	30	1.5	175	0	86	13
JULY...												
09...	1600	22.0	2130	13	35	12	17	1.3	131	0	59	10
14...	1330	20.0	1340	14	47	14	28	1.6	164	0	76	13
AUG...												
04...	1135	20.0	578	14	68	25	55	2.1	224	7	140	27
19...	1430	21.0	448	13	67	29	64	2.2	223	6	180	29
SEP...												
08...	1540	20.2	320	8.9	61	28	73	2.6	217	0	180	36

09306500 WHITE RIVER NEAR WATSON, UTAH--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO PHOSPHATE (P04) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA.MG/L)	NON-CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SURP- TION RATIO	SPE-CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT.												
09...	.2	.01	.00	130	470	.65	576	270	84	1.6	630	8.3
22...	.3	.01	.03	--	489	.69	573	270	87	1.8	776	--
NOV.												
12...	.2	.06	.06	80	456	.64	525	250	61	1.7	775	8.4
21...	.3	.01	.15	--	525	.73	636	290	86	1.9	803	--
DEC.												
03...	.3	.01	.03	70	586	.81	385	320	84	2.0	855	8.3
16...	.3	.18	.03	--	511	.72	542	290	79	1.7	958	--
JAN.												
06...	.3	.37	.06	70	567	.78	346	310	77	1.9	800	8.3
20...	.2	.29	.06	--	481	.67	497	270	81	1.7	800	--
FEB.												
03...	.2	.30	.09	50	535	.75	614	290	84	1.8	830	8.2
17...	.3	.21	.12	--	512	.69	541	270	72	1.8	800	--
MAR.												
03...	.3	.40	.06	70	574	.79	930	290	100	2.3	890	7.9
18...	.2	.11	.09	--	564	.81	--	300	110	2.1	906	--
APR.												
05...	.3	.00	.06	60	502	.70	614	270	95	1.9	760	8.4
07...	.3	.12	.03	100	661	.92	967	330	110	2.7	1010	8.6
23...	.3	.00	.09	--	585	.79	699	320	120	2.1	860	8.0
MAY												
05...	.2	.05	.06	60	494	.67	726	270	97	1.7	760	8.4
21...	.2	.33	.03	--	272	.38	1760	160	35	1.0	636	7.8
JUNE												
02...	.2	.15	.09	40	295	.41	1370	190	50	.9	470	8.2
JULY												
09...	.2	.08	.00	40	213	.30	1280	140	30	.6	330	8.2
14...	.2	.06	.00	--	275	.39	1030	180	40	.9	442	7.4
AUG.												
04...	.3	.02	.00	90	449	.61	701	270	77	1.5	700	8.4
19...	.3	.02	.00	--	503	.68	601	290	94	1.6	996	8.8
SEP.												
08...	.3	--	.00	80	497	.68	429	270	90	1.9	750	8.5

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

[illegible]

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TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

[illegible]

GREEN RIVER BASIN

09306900 WHITE RIVER AT MOUTH, NEAR OURAY, UTAH

LOCATION.--Lat 40°03'54", long 109°38'06", in SE4SE4NW4 sec.2, T.9 S., R.20 E., Uintah County, on left bank 1.8 mi (2.9 km) from Ouray, and 2.2 mi (3.5 km) upstream from mouth.

PERIOD OF RECORD.--Chemical analyses: February 1974 to current year.
Sediment records: October 1974 to September 1975.

EXTREMES.--Current year:
Sediment concentrations: Maximum daily, 11,600 mg/l Sept. 12; minimum daily, 38 mg/l Jan. 8.
Sediment discharge: Maximum daily, 65,100 tons (59,060 tonnes) June 10; minimum daily, 30 tons (27 tonnes) Jan. 8.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)
OCT.											
01...	0930	11.0	392	12	65	30	82	2.4	239	3	190
04...	1300	14.0	405	12	62	29	75	1.9	237	0	180
30...	0900	7.0	450	12	64	28	72	2.6	229	0	170
NOV.											
20...	1130	3.0	455	11	68	25	73	2.7	243	0	180
26...	0930	.0	430	12	68	26	76	1.8	235	0	170
DEC.											
11...	1040	.0	372	14	76	32	98	1.7	274	0	220
31...	1015	.0	310	16	86	32	100	1.9	306	0	230
JAN.											
22...	1230	.0	360	14	71	27	72	2.1	247	0	200
29...	1530	.0	410	16	72	28	76	2.6	247	0	190
FEB.											
20...	1550	.0	339	14	67	26	79	2.2	252	0	180
26...	0945	.0	350	15	73	29	82	1.6	271	0	210
MAR.											
20...	1045	6.0	567	12	70	32	96	2.7	248	0	210
APR.											
01...	1100	2.5	510	13	74	32	94	2.4	252	0	230
17...	1100	10.5	443	12	74	35	99	2.5	257	0	250
29...	1315	9.0	816	12	66	30	70	2.0	236	0	190
MAY											
14...	1500	20.0	668	11	61	25	70	2.2	226	0	170
28...	0900	13.0	1900	11	41	15	29	1.8	162	0	86
JUNE											
19...	1500	14.0	3130	9.9	35	13	20	1.5	138	0	55
25...	1000	15.5	2300	12	42	14	24	1.4	160	0	69
JULY											
24...	1430	23.5	792	15	57	17	41	2.1	199	0	120
30...	0830	21.0	688	14	31	9.0	82	3.1	200	10	110
AUG.											
22...	1400	20.0	393	12	66	30	67	2.7	245	0	180
26...	1300	18.0	395	12	64	31	69	2.2	255	18	180
SEP.											
23...	1300	15.0	435	12	70	28	63	2.3	212	9	180
25...	1220	14.0	433	13	69	26	65	2.3	230	0	180

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT.										
01...	36	.03	.07	.47	.40	.50	.09	553	538	.75
04...	33	--	--	.29	--	--	.33	482	511	.66
30...	39	.03	.06	.37	.31	.40	.10	516	500	.70
NOV.										
20...	37	--	--	.17	--	--	.03	516	518	.70
26...	40	.80	.01	.43	.42	1.2	.07	547	510	.74
DEC.										
11...	46	--	--	.19	--	--	.10	628	625	.85
31...	50	.29	.06	.59	.53	.88	.04	681	667	.93
JAN.										
22...	38	--	--	.16	--	--	.05	564	549	.77
29...	42	--	--	--	--	--	--	--	550	.75
FEB.										
20...	39	--	--	.95	--	--	.09	549	534	.75
26...	42	.28	.08	.41	.33	.69	.14	594	586	.81
MAR.										
20...	47	--	--	.79	--	--	.42	629	596	.86
APR.										
01...	46	.23	.01	.80	.79	1.0	.34	638	616	.87
17...	48	--	--	1.6	--	--	.42	669	650	.91
29...	31	.14	.00	1.1	1.1	1.2	.02	529	517	.72
MAY										
14...	33	--	--	.32	--	--	.04	490	485	.67
28...	11	.28	.01	2.6	2.6	2.9	.98	275	275	.37
JUNE										
19...	7.6	--	--	1.2	--	--	.18	220	212	.30
25...	9.2	.13	.02	1.0	.98	1.1	.33	262	250	.36
JULY										
24...	19	--	--	1.0	--	--	.33	399	371	.54
30...	21	.23	.03	7.9	7.9	8.1	13	367	379	.50
AUG.										
22...	31	--	--	.34	--	--	.03	509	512	.69
26...	31	.02	.00	.21	.21	.23	.17	523	533	.71
SEP.										
23...	31	.03	.00	.43	.43	.46	.14	509	500	.69
25...	31	--	--	.43	--	--	.08	517	501	.70

09306900 WHITE RIVER AT MOUTH, NEAR OURAY, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS- SOLVED OXYGEN (MG/L)
OCT.										
01...	585	290	85	2.1	870	8.0	1.0	12	4.3	8.4
04...	527	280	81	2.0	800	7.9	4.8	11	3.9	--
30...	627	280	92	1.9	750	8.2	2.3	15	2.8	9.8
NOV.										
20...	634	270	75	1.9	825	--	--	--	--	--
26...	635	280	87	2.0	820	8.0	3.8	11	4.1	11.6
DEC.										
11...	631	320	98	2.4	740	8.1	3.5	--	--	--
31...	570	350	99	2.3	1000	7.7	9.8	5	1.8	12.2
JAN.										
22...	548	290	87	1.8	834	8.4	1.6	7	4.4	10.1
29...	609	300	97	1.9	850	7.9	5.0	--	--	9.7
FEB.										
20...	502	280	69	2.1	850	--	--	--	--	8.2
26...	561	300	78	2.1	840	7.9	5.5	6	4.8	10.8
MAR.										
20...	963	310	100	2.4	1000	7.9	5.0	--	--	9.6
APR.										
01...	879	320	110	2.3	960	--	--	42	7.2	10.6
17...	800	330	120	2.4	975	7.9	5.2	21	6.2	9.3
29...	1170	290	95	1.8	750	--	--	39	14	7.0
MAY										
14...	884	260	71	1.9	770	8.4	1.4	--	--	7.9
28...	1410	160	31	1.0	440	8.0	2.6	68	22	8.2
JUNE										
19...	1860	140	28	.7	360	8.1	1.6	--	--	7.9
25...	1630	160	31	.8	410	8.1	2.0	36	11	7.6
JULY										
24...	853	210	50	1.2	560	8.8	.5	56	13	7.0
30...	682	110	0	3.3	560	8.5	1.1	170	16	6.2
AUG.										
22...	540	290	88	1.7	760	7.9	4.9	--	--	7.6
26...	558	290	48	1.8	810	8.6	1.2	19	4.1	7.7
SEP.										
23...	598	290	100	1.6	740	8.4	1.5	10	5.4	7.9
25...	604	280	92	1.7	775	8.4	1.5	--	--	8.2

DATE	TIME	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
JULY				
30...	0830	2500	430	--
AUG.				
26...	1300	40	27	--
SEP.				
23...	1300	--	29	70

DATE	TIME	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT.									
04...	1300	2	<4	3	<4	0	.0	1	10
NOV.									
20...	1130	1	--	0	--	0	.0	1	20
DEC.									
11...	1040	2	--	1	--	20	<.1	2	0
JAN.									
22...	1230	4	--	5	--	20	.0	2	20
FEB.									
20...	1550	1	--	70	--	10	.1	0	30
MAR.									
20...	1045	2	--	690	--	0	.1	2	7
APR.									
17...	1100	1	--	1000	--	20	.0	2	8
MAY									
14...	1500	2	--	5	--	20	.0	2	30
JUNE									
19...	1500	0	--	3	--	0	.2	0	10
JULY									
24...	1430	4	--	10	--	0	.0	1	30
30...	0830	5	0	3	3	10	.0	1	10
AUG.									
22...	1400	3	--	4	--	10	.0	1	0
SEP.									
25...	1220	1	--	2	--	10	.0	1	10

GREEN RIVER BASIN

09306900 WHITE RIVER AT MOUTH, NEAR OURAY, UTAH--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY)* WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER			NOVEMBER			DECEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	400	800	864	475	507	650	260	838	588
2	388	770	807	480	432	560	240	228	148
3	380	750	769	490	561	742	270	269	196
4	394	780	830	475	550	705	310	348	291
5	380	630	646	455	540	663	380	731	750
6	392	566	599	460	530	658	480	1010	1310
7	418	580	655	450	520	632	500	948	1280
8	450	700	850	430	520	604	450	816	991
9	445	677	813	420	514	583	380	881	904
10	457	660	814	420	638	723	330	406	362
11	480	558	723	430	579	672	300	592	480
12	495	560	748	430	526	611	255	272	187
13	490	546	722	430	796	924	300	650	526
14	515	663	922	430	538	625	370	102	102
15	510	620	854	440	467	555	380	600	616
16	490	504	667	440	423	503	390	1000	1050
17	470	500	634	440	708	841	395	1050	1120
18	470	448	569	430	728	845	360	600	583
19	455	437	537	420	531	602	350	1300	1230
20	440	372	442	430	573	665	380	750	769
21	430	340	395	430	600	697	370	853	852
22	440	300	356	410	700	775	330	879	783
23	445	249	299	440	814	967	280	671	507
24	460	280	348	460	629	781	240	237	154
25	460	291	361	460	604	750	210	200	113
26	450	375	456	430	973	1130	180	200	97
27	450	510	620	410	584	646	180	200	97
28	450	411	499	420	534	606	180	150	73
29	450	439	533	380	952	977	200	150	81
30	455	415	510	410	566	627	240	150	97
31	450	387	470	---	---	---	310	100	84
MONTH	13859	---	19312	13125	---	21319	9800	---	16421
DAY	JANUARY			FEBRUARY			MARCH		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	370	100	100	400	102	110	480	1100	1430
2	370	100	100	400	44	48	510	2600	3580
3	360	75	73	390	113	119	560	3800	5750
4	340	75	69	390	126	133	580	2200	3450
5	320	59	51	380	160	164	600	800	1300
6	300	42	34	380	80	82	620	800	1340
7	300	68	55	400	99	107	630	2400	4080
8	295	38	30	410	130	144	640	2600	4490
9	290	73	57	420	79	90	630	3100	5270
10	290	70	55	420	110	125	610	3600	5930
11	285	78	60	420	171	194	610	3200	5270
12	290	165	129	420	320	363	610	2120	3490
13	300	140	113	420	132	150	600	2920	4730
14	310	62	52	420	105	119	584	2510	3960
15	320	44	38	420	69	78	559	1940	2930
16	325	48	42	410	82	91	568	1920	2940
17	330	48	43	400	98	106	600	1790	2900
18	330	85	76	390	97	102	604	1910	3110
19	335	112	101	380	86	88	591	2140	3410
20	340	41	38	370	87	87	582	2410	3790
21	350	50	47	360	64	62	552	2080	3100
22	360	94	91	350	61	58	541	1650	2410
23	380	108	111	340	109	100	582	1680	2640
24	390	114	120	330	81	72	546	1480	2180
25	410	97	107	330	53	47	491	1070	1420
26	430	203	236	350	121	114	479	1130	1460
27	440	132	157	380	238	244	491	1360	1800
28	430	258	300	430	310	360	464	869	1090
29	410	248	275	---	---	---	419	714	808
30	400	89	96	---	---	---	446	1330	1600
31	400	70	76	---	---	---	425	802	920
MONTH	10800	---	2932	10910	---	3557	17204	---	92578

09306900 WHITE RIVER AT MOUTH, NEAR OURAY, UTAH--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

APRIL				MAY				JUNE	
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	495	1570	2100	590	860	1370	1600	2800	12100
2	470	1330	1690	550	771	1140	1700	3200	14700
3	430	1900	2210	520	744	1040	2000	3000	16200
4	440	2000	2380	510	652	898	2300	3700	23000
5	460	2400	2980	500	1200	1620	2500	3910	26400
6	480	1750	2270	590	3700	5890	2700	3820	27800
7	530	1700	2430	630	1500	2550	2950	3680	29300
8	551	2000	2980	670	949	1720	3300	3930	35000
9	534	1700	2450	600	802	1300	3800	4600	47200
10	494	1100	1470	560	640	968	3950	6100	65100
11	455	750	921	540	707	1030	3500	5000	47300
12	434	645	756	560	652	986	2800	4400	33300
13	421	652	741	660	822	1460	2400	3800	24600
14	436	473	557	720	3300	6420	2500	3200	21600
15	438	551	652	820	1700	3760	2800	3060	23100
16	437	681	804	1050	2000	5670	3200	3730	32200
17	440	447	531	1300	5200	18300	3500	3290	31100
18	475	509	653	2100	5400	30600	3600	3810	37000
19	550	834	1240	2000	7600	41000	3160	3480	29700
20	580	847	1330	2000	6600	35600	3060	3660	30200
21	520	920	1290	2200	9000	53500	2680	3020	21900
22	470	839	1060	2350	7600	48200	2510	2630	17800
23	460	692	859	2500	6600	44600	2350	2820	17900
24	490	1060	1400	2000	4800	25900	2200	2050	12200
25	555	1040	1560	1700	4400	20200	2300	2090	13000
26	606	872	1430	1700	3800	17400	2550	2760	19000
27	716	1800	3480	1700	4200	19300	2500	2400	16200
28	744	1560	3130	1900	4200	21500	2450	2070	13700
29	792	1180	2520	2050	4800	26600	2550	2590	17800
30	650	930	1630	1900	4200	21500	2650	2170	15500
31	---	---	---	1700	3200	14700	---	---	---
MONTH	15553	---	49504	39170	---	476722	82060	---	771900
JULY				AUGUST				SEPTEMBER	
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2650	1590	11400	604	2000	3260	347	494	463
2	2700	1420	10400	625	2800	4720	333	517	465
3	2750	1430	10600	590	2500	3980	331	400	357
4	2700	2000	14600	562	1400	2120	325	393	345
5	2690	2200	16000	531	1060	1520	328	480	425
6	2720	2500	18400	519	880	1230	331	828	740
7	2510	2000	13600	513	1450	2010	333	500	450
8	2420	2480	16200	495	703	940	320	784	677
9	2200	3200	19000	489	891	1180	304	856	703
10	2000	3600	19400	531	711	1020	306	433	358
11	1920	3400	17600	525	800	1130	370	2800	2800
12	1680	3200	14500	489	1400	1850	695	11600	21800
13	1540	2200	9150	513	3400	4710	495	8600	11500
14	1390	1500	5630	604	6800	11100	477	7200	9270
15	1360	2900	10600	537	1600	2320	435	2400	2820
16	1240	1800	6030	489	1800	2380	483	5200	6780
17	1320	2900	10300	549	1500	2220	441	1600	1910
18	1260	2700	9190	531	900	1290	423	1320	1510
19	1200	2200	7130	477	857	1100	407	1290	1420
20	1070	1500	4330	423	485	554	419	1130	1280
21	1020	1700	4680	411	586	650	419	569	644
22	912	1700	4190	399	564	608	427	687	792
23	863	1380	3220	419	509	576	431	734	854
24	807	1230	2680	435	910	1070	435	631	741
25	751	962	1950	419	835	945	435	641	753
26	723	958	1870	395	608	648	459	630	781
27	709	943	1810	380	906	930	447	630	760
28	667	1190	2140	382	623	643	447	630	760
29	569	940	1440	370	487	487	477	522	672
30	702	8000	15200	358	1080	1040	477	437	563
31	590	1200	1910	361	503	490	---	---	---
MONTH	47633	---	285150	14925	---	58721	12357	---	73393
YEAR	287396		1871509						

GREEN RIVER BASIN

09314500 PRICE RIVER AT WOODSIDE, UTAH

LOCATION.--Lat 39°15'50", long 110°20'45", in SW¼SE¼SE¼ sec.9, T.18 S., R.14 E., Emery County, at gaging station on left bank wing wall of old highway bridge, 200 ft (61 m) downstream from railroad bridge at Woodside, and about 22 mi (35 km) upstream from mouth.

DRAINAGE AREA.--1,500 mi² (3,880 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: December 1946 to September 1949, February 1951 to current year.

Water temperatures: February 1951 to September 1959, November 1961 to September 1963, October 1964 to current year.

EXTREMES.--Current year:

Specific conductance: Maximum daily, 6,000 micromhos Oct. 15; minimum daily, 940 micromhos June 17.

Water temperatures: Maximum, 29.0°C July 9; minimum, freezing point on many days during winter period.

Period of record:

Specific conductance (1951 to current year): Maximum daily, 8,540 micromhos Dec. 11, 1951; minimum daily, 814 micromhos June 1, 1952.

Water temperatures: Maximum, 32.0°C July 10, 11, 1954; minimum, freezing point on many days during winter period each year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)
OCT. 29...	1200	8.5	1450	5.5	230	86	290	8.7	211	0	1300
DEC. 04...	1230	.0	69	7.1	300	250	760	8.4	413	--	2800
JAN. 14...	1000	.0	29	9.9	280	140	500	10	403	0	2000
FEB. 28...	1200	.0	92	5.4	200	140	370	7.6	335	0	1500
MAR. 24...	1300	5.5	91	6.3	150	120	300	6.0	306	0	1100
APR. 29...	0915	4.0	98	8.6	120	79	200	4.6	310	0	710
MAY 30...	1245	16.0	393	12	98	65	160	4.5	310	0	540
JUNE 26...	0900	15.0	394	5.8	91	60	140	3.6	256	0	500
JULY 21...	1330	26.0	176	7.1	160	120	360	8.3	330	7	1500
AUG. 19...	0945	16.0	77	2.0	140	120	330	7.3	274	16	1300
SEP. 16...	1030	17.5	130	6.4	200	140	370	9.7	301	0	1600

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT. 29...	48	--	--	--	--	--	--	--	2080	2.83
DEC. 04...	81	--	--	--	--	--	--	--	4420	6.01
JAN. 14...	70	--	--	--	--	--	--	--	3220	4.38
FEB. 28...	49	--	--	--	--	--	--	--	2450	3.33
MAR. 24...	42	--	--	--	--	--	--	--	1880	2.56
APR. 29...	31	--	--	--	--	--	--	--	1310	1.78
MAY 30...	21	--	--	--	--	--	--	--	1060	1.44
JUNE 26...	18	--	--	--	--	--	--	--	946	1.29
JULY 21...	36	.40	.04	1.9	1.9	2.3	1.7	2440	2360	3.32
AUG. 19...	35	.02	.00	.57	.57	.59	.19	2170	2090	2.95
SEP. 16...	37	.62	.00	6.2	6.2	6.8	2.7	2630	2510	3.58

GREEN RIVER BASIN

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09314500 PRICE RIVER AT WOODSIDE, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS- SOLVED OXYGEN (MG/L)
OCT. 29...	8140	930	760	4.1	2500	7.3	17	--	--	8.5
DEC. 04...	826	1800	1400	7.8	6000	--	--	--	--	--
JAN. 14...	256	1300	970	6.1	4000	7.8	10	--	--	15.6
FEB. 28...	613	1100	800	4.9	3400	8.0	5.4	--	--	15.2
MAR. 24...	465	870	620	4.4	2000	8.3	2.3	--	--	13.0
APR. 29...	349	630	370	3.5	1900	8.6	1.2	--	--	14.0
MAY 30...	1120	510	260	3.1	1800	8.2	3.0	--	--	9.2
JUNE 26...	1010	470	260	2.8	1400	8.3	2.0	--	--	--
JULY 21...	1120	890	610	5.2	2850	8.4	2.2	--	18	6.4
AUG. 19...	451	840	590	4.9	2470	8.6	1.2	--	9.2	8.0
SEP. 16...	923	1100	830	4.9	3050	8.3	2.4	--	53	7.6

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3900	5430	3320	---	---	2970	2280	1480	1650	2060	2500
2	5050	1450	4750	2670	---	---	3200	2490	1460	1800	2600	2600
3	---	4090	5210	2700	---	---	3300	2960	1390	2080	2410	2450
4	---	4100	5900	1820	---	3030	3300	2990	1360	2400	2530	2400
5	4750	4230	5180	2010	---	---	3210	2940	1280	2700	2710	2450
6	---	4400	4810	2370	---	3850	2920	2610	1290	2800	2810	2500
7	4550	4540	4410	1460	---	4150	2500	2350	1500	2900	2980	2700
8	---	4780	4450	4510	---	---	2000	3140	1200	3000	3080	2850
9	---	4700	4580	3620	---	4250	2380	2700	1270	2800	3260	2800
10	5750	4700	4590	3410	---	3950	2350	2990	1260	2700	3210	3100
11	---	4740	4540	3470	---	3990	2710	3500	1180	2050	3040	2700
12	---	4850	5150	3180	---	3300	2690	3730	1140	2300	2910	2400
13	---	4840	4590	3300	---	3680	2610	2950	1060	2600	2700	2350
14	4900	5060	5580	3520	---	4820	2530	2600	1070	2200	2820	2250
15	6000	4910	4920	3770	---	4900	1950	2130	1150	2700	2580	2380
16	---	4900	4780	3600	---	4450	1600	2960	1120	2500	2330	2800
17	5800	4790	4270	3920	---	4550	1520	1980	940	2150	2500	2700
18	---	4900	4330	3550	---	4400	1540	1670	950	2700	2410	2660
19	---	5010	3990	3610	---	4300	1380	1660	1210	2600	2420	2700
20	---	4900	4110	3300	---	4180	1950	2030	1360	2650	2340	2900
21	5300	4780	4420	3450	---	4050	1900	1440	1160	2900	2510	3000
22	---	4810	4610	3510	---	3350	1510	1160	1240	2800	2490	2900
23	5100	4940	4450	3610	---	2550	1250	1370	1460	2500	2550	2800
24	4840	4770	4280	3750	---	2600	1100	1460	1190	2400	2610	2850
25	4240	4780	5220	3290	---	2890	1050	1640	---	2700	2490	3030
26	4400	4920	5560	3620	---	3380	1000	1660	1380	2700	2440	---
27	---	4930	5720	3500	---	3680	---	1480	1380	2900	2510	2850
28	---	4980	5660	3380	---	3900	---	1510	1480	3000	2490	2850
29	2480	4580	5150	3450	---	3950	1790	1330	1580	3200	2570	2900
30	---	5540	5450	3700	---	3900	1960	1520	1640	2500	2600	2800
31	3430	---	4500	3480	---	4000	---	1370	---	1850	2610	---
MONTH	---	4630	4860	3290	---	3850	2150	2210	1280	2540	2630	2700

GREEN RIVER BASIN

09314500 PRICE RIVER AT WOODSIDE, UTAH--Continued

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	6.0	0.0	0.0	---	---	6.0	13.5	21.5	17.0	15.5	15.5
2	15.5	6.0	1.0	0.0	---	---	1.5	7.5	15.5	17.0	18.5	17.0
3	---	6.5	0.0	0.0	---	---	4.0	16.5	19.0	19.5	20.5	16.5
4	---	4.5	0.5	0.0	---	1.5	6.0	10.5	20.0	20.5	19.5	20.0
5	10.5	5.5	0.5	0.0	---	---	7.0	8.5	18.5	25.5	20.0	16.0
6	---	6.0	2.5	0.0	---	6.5	8.5	11.0	16.5	27.0	21.5	21.0
7	12.0	4.5	0.5	0.0	---	5.5	8.5	9.5	18.5	27.0	20.0	20.0
8	---	4.5	0.5	0.0	---	---	6.0	15.0	16.0	27.5	19.5	16.0
9	---	4.5	1.0	0.0	---	7.0	7.0	14.5	18.5	29.0	20.0	22.0
10	9.5	5.0	0.0	0.0	---	6.0	7.0	11.5	13.0	23.0	20.5	24.0
11	---	5.5	1.0	0.0	---	4.5	6.5	20.0	13.0	25.5	21.0	20.0
12	---	4.0	0.5	0.0	---	5.0	7.0	15.0	13.5	23.0	20.0	17.0
13	---	3.5	1.0	0.5	---	4.5	11.5	18.5	15.0	22.5	19.5	19.5
14	9.0	5.0	0.0	0.0	---	5.0	7.0	14.0	12.5	26.5	17.5	20.0
15	8.5	6.0	0.0	0.0	---	4.5	7.5	16.0	22.0	25.5	17.5	21.0
16	---	6.5	0.5	0.0	---	4.5	9.0	18.5	18.5	19.5	18.5	21.0
17	14.5	5.5	1.0	0.0	---	3.0	9.0	14.5	17.0	16.0	16.5	21.0
18	---	5.5	0.5	0.0	---	6.5	6.0	19.0	14.0	20.0	17.0	16.5
19	---	2.0	0.5	0.0	---	10.0	6.5	14.5	15.0	23.0	16.0	14.5
20	---	3.5	0.5	0.0	---	6.5	10.0	13.0	13.0	22.5	16.5	19.0
21	11.5	6.0	0.0	0.5	---	13.0	15.5	9.0	11.5	25.5	16.0	17.0
22	---	7.0	0.5	1.0	---	7.5	13.0	7.5	13.5	21.0	16.5	17.0
23	11.5	5.5	0.5	0.5	---	3.5	13.0	11.0	14.5	21.0	17.0	15.5
24	12.0	3.5	0.5	0.5	---	4.0	13.0	18.5	16.5	20.0	17.0	15.5
25	11.5	0.5	0.5	0.5	---	7.0	11.0	16.0	---	26.0	15.0	18.5
26	10.5	5.0	0.0	0.0	---	5.5	11.0	10.5	19.5	26.5	16.5	---
27	---	4.0	0.0	0.0	---	2.0	---	14.0	18.5	23.5	18.0	14.0
28	---	1.0	0.0	0.0	---	3.5	---	10.5	21.5	22.5	15.5	15.5
29	7.0	1.0	0.5	0.0	---	1.5	6.0	13.0	21.5	25.5	18.5	16.5
30	---	1.0	0.0	0.5	---	1.5	9.5	15.5	16.5	22.5	18.0	17.0
31	6.5	---	0.0	0.5	---	4.5	---	14.0	---	21.5	17.0	---
MONTH	---	4.5	0.5	0.0	---	5.0	8.5	13.5	16.5	23.0	18.0	18.0

09315000 GREEN RIVER AT GREEN RIVER, UTAH
(National stream-quality accounting network and radiochemical station)

LOCATION.--Lat 38°59'37", long 110°08'35", in NW¼NE¼ sec.15, T.21 S., R.16 E., Emery County, at bridge on U.S. Highways 50 and 6, in town of Green River, 0.7 mi (1.1 km) upstream from gaging station, and at mile 118.1 (190.1 km) upstream from mouth.

DRAINAGE AREA.--40,600 mi² (105,200 km²), approximately (at gaging station).

PERIOD OF RECORD.--Chemical analyses: August 1928 to current year.

Water temperatures: May 1949 to September 1959, October 1964 to current year.

Sediment records: May 1930 to current year.

EXTREMES.--Current year:

Specific conductance: Maximum daily, 1,390 micromhos Nov. 2; minimum observed, 370 micromhos June 14.

Water temperatures: Maximum, 25.0°C Aug. 9, 10; minimum, freezing point on many days during December to February.

Sediment concentrations: Maximum daily, 7,200 mg/l July 17; minimum daily 20 mg/l Oct. 2.

Sediment discharge: Maximum daily, 266,000 tons (241,300 tonnes) July 17; minimum daily, 103 tons (93 tonnes) Oct. 2.

Period of record:

Specific conductance (1941 to current year): Maximum daily, 3,250 micromhos Dec. 1, 1967; minimum daily, 272 micromhos May 13, 1956.

Water temperatures (1949-59, 1965 to current year): Maximum, 30.0°C Aug. 13, 1958; minimum, freezing point on many days during winter period each year.

Sediment concentrations: Maximum daily, 66,000 mg/l July 11, 1936; minimum daily, 19 mg/l Sept. 30, 1974.

Sediment discharge: Maximum daily, 2,230,000 tons (2,023,000 tonnes) July 11, 1936; minimum daily, 54 tons (49 tonnes) Sept. 27, 1956.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)
OCT.									
21...	1230	13.0	4200	4.9	72	31	78	3.4	195
21...	1510	13.0	4200	4.9	72	29	78	3.0	192
NOV.									
18...	1300	5.5	3600	6.0	78	34	88	2.4	207
DEC.									
16...	1400	1.0	3400	6.0	79	34	84	2.5	219
JAN.									
20...	1340	.0	4200	6.7	73	29	71	2.8	209
FEB.									
18...	1230	.0	5620	5.9	67	27	68	2.4	196
MAR.									
17...	1320	6.0	4250	6.8	70	34	95	3.7	213
APR.									
21...	1400	12.5	4140	5.5	69	34	80	3.3	204
MAY									
19...	1250	18.0	10800	10	44	20	41	3.0	154
JUNE									
16...	1530	19.0	19400	8.4	36	11	25	1.7	118
JULY									
21...	1700	23.0	11300	8.1	53	21	47	2.7	149
AUG.									
18...	1600	23.0	4840	6.3	74	32	78	3.3	186
SEP.									
15...	1615	22.0	1320	5.3	79	45	95	4.0	214

DATE	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
OCT.									
21...	4	270	27	.3	.43	.80	1.2	.05	608
21...	5	260	26	.3	--	--	--	--	--
NOV.									
18...	2	300	27	.3	.53	.46	.99	.07	661
DEC.									
16...	0	290	31	.3	.62	.54	1.2	.21	679
JAN.									
20...	0	240	25	.3	.66	.46	1.1	.13	572
FEB.									
18...	0	240	24	.3	.58	.57	1.2	.16	559
MAR.									
17...	0	300	33	.2	.53	.57	1.1	.33	667
APR.									
21...	0	260	29	.3	.12	1.3	1.4	.57	613
MAY									
19...	0	120	14	.2	.43	2.1	2.5	.94	353
JUNE									
16...	0	78	8.0	.2	.16	1.1	1.3	.31	243
JULY									
21...	0	170	15	.3	.19	1.2	1.4	.54	396
AUG.									
18...	7	270	26	.3	.45	.57	1.0	.28	594
SEP.									
15...	0	350	34	.3	.53	1.5	2.0	.52	716

GREEN RIVER BASIN

09315000 GREEN RIVER AT GREEN RIVER, UTAH--Continued

WATER QUALITY DATA. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT.								
21...	587	.83	6890	310	140	1.9	880	8.5
21...	574	.78	6510	300	130	2.0	880	8.5
NOV.								
18...	640	.90	6430	330	160	2.1	920	8.4
DEC.								
16...	635	.92	6240	340	160	2.0	860	7.9
JAN.								
20...	551	.78	6490	300	130	1.8	820	8.0
FEB.								
18...	531	.76	8480	280	120	1.8	650	7.7
MAR.								
17...	648	.91	7440	310	140	2.3	770	8.0
APP.								
21...	582	.83	6850	310	150	2.0	850	8.7
MAY								
19...	328	.48	10300	190	66	1.3	480	8.3
JUNE								
16...	226	.33	12700	140	34	.9	370	8.0
JULY								
21...	391	.54	12100	220	96	1.4	620	8.3
AUG.								
18...	589	.81	7700	320	160	1.9	900	8.6
SEP.								
15...	718	.97	2560	380	210	2.1	1060	8.2

DATE	TIME	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT.				
21...	1230	--	22	118
NOV.				
18...	1300	--	--	7
DEC.				
16...	1400	--	4	18
JAN.				
20...	1340	--	--	6
FEB.				
18...	1230	--	6	11
MAR.				
17...	1320	--	0	120
APR.				
21...	1400	--	8	55
JUNE				
16...	1530	--	100	330
JULY				
21...	1700	--	100	240
AUG.				
18...	1600	--	17	100
SEP.				
15...	1615	--	240	740

GREEN RIVER BASIN

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09315000 GREEN RIVER AT GREEN RIVER, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)
OCT. 21...	1230	1200	30	40	0	2	2	20	0	0	0	<50
JAN. 20...	1340	2900	10	80	10	2	1	20	1	--	10	50
APR. 21...	1400	18000	10	430	0	11	2	<10	0	10	0	<50
JULY 21...	1700	12000	20	360	0	9	5	<10	0	20	0	<50

DATE	TIME	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 21...		1	10	2	<100	0	.0	.0	2	2	40	10
JAN. 20...		1	470	2	<100	4	.1	.0	2	1	40	20
APR. 21...		1	30	3	<100	3	.2	.2	3	3	110	10
JULY 21...		1	40	2	<100	3	.0	.0	1	1	80	20

DATE	TIME	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENDED GROSS BETA AS CS-137 (PC/L)	DIS- SOLVED GROSS BETA AS AS SR90 /Y90 (PC/L)	SUS- PENDED GROSS BETA AS AS SR90 /Y90 (PC/L)	DIS- SOLVED RA-226 (RADON METHOD) (U) (PC/L)	DIS- SOLVED NATURAL URANIUM (U) (UG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
OCT. 21...	--	12	5.1	4.9	4.4	4.2	3.6	.07	14	630	70
NOV. 18...	1320	13	6.1	5.4	4.2	4.7	3.3	.09	3.4	690	67

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	986	983	---	999	795	893	1000	729	---	420	757	890
2	999	1390	980	961	870	880	1040	661	423	420	785	---
3	---	1000	950	955	887	895	1030	610	531	400	---	910
4	1000	---	970	955	885	878	1040	609	---	---	789	900
5	995	1070	975	908	880	883	---	633	500	400	782	890
6	968	1000	1010	929	---	950	---	678	450	410	789	---
7	970	1000	---	938	910	---	---	691	470	410	772	---
8	969	1090	1010	940	891	970	---	727	440	---	---	920
9	959	1090	1000	940	861	990	1040	---	415	415	778	920
10	---	1000	960	---	---	980	1020	740	400	425	801	980
11	974	988	960	895	870	935	---	---	410	---	800	980
12	970	---	960	879	860	930	---	620	390	---	818	1380
13	931	989	950	---	871	---	---	697	390	450	820	1040
14	---	989	1030	---	---	983	---	703	380	490	---	---
15	942	998	1020	885	---	1020	---	723	---	490	881	1020
16	942	998	1040	895	---	1020	1000	689	400	540	847	1020
17	941	---	1020	895	---	---	975	686	410	715	---	1020
18	952	992	1010	900	860	995	980	585	390	650	885	1050
19	---	998	---	895	870	982	960	562	395	690	877	---
20	---	1000	1020	886	865	982	---	518	410	650	850	---
21	---	---	960	891	855	---	900	480	420	---	857	1020
22	928	---	960	---	850	958	900	---	470	630	869	1120
23	---	1020	970	899	847	960	960	500	---	650	850	1120
24	1260	992	---	899	---	967	690	454	480	680	858	1120
25	986	996	---	885	860	959	810	---	470	670	---	1080
26	979	---	1040	855	862	---	860	418	440	770	903	1080
27	980	1040	1050	858	900	990	---	417	---	---	911	---
28	982	1040	1100	860	900	1000	800	440	440	400	879	1040
29	1100	1020	1110	865	---	1010	---	453	440	430	878	1060
30	1100	1010	1060	---	---	1020	680	436	---	770	866	1020
31	1000	---	1070	835	---	---	---	448	---	---	---	---
MONTH	---	1030	1010	904	---	961	---	589	432	---	836	---

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.5	8.5	---	---	0.0	4.5	6.0	12.5	---	20.0	23.0	22.0
2	15.0	10.0	1.5	0.0	0.0	5.0	6.0	13.0	18.0	21.0	23.0	---
3	---	9.5	1.0	0.0	0.0	3.0	7.0	14.5	17.0	21.0	---	21.0
4	17.0	---	1.0	0.0	0.0	4.5	10.0	12.0	---	---	22.0	21.0
5	15.5	9.5	1.0	0.0	0.0	3.5	---	11.5	19.0	22.5	24.0	20.5
6	15.5	8.0	1.5	0.0	---	5.0	---	12.0	20.5	22.0	23.0	---
7	14.5	7.5	---	0.0	0.0	---	---	11.5	19.0	22.5	24.0	---
8	14.5	8.5	1.0	0.0	0.5	8.0	---	14.5	17.5	---	---	20.5
9	16.0	8.5	0.0	0.0	0.5	8.5	---	---	16.0	23.0	25.0	21.0
10	---	7.5	1.0	---	---	8.0	---	16.0	16.0	23.5	25.0	21.0
11	15.5	8.0	1.0	0.0	1.0	7.5	---	---	17.0	---	24.0	22.0
12	15.5	---	0.0	0.0	1.0	8.0	---	16.5	16.0	---	23.0	21.0
13	16.0	7.0	0.0	---	1.0	---	---	17.5	17.0	23.0	23.5	20.5
14	---	5.5	0.0	---	---	7.0	---	18.5	17.0	23.0	---	---
15	15.5	6.5	0.0	0.0	---	7.5	---	20.0	---	23.0	22.5	19.0
16	14.5	6.5	0.0	0.0	---	7.0	12.0	---	19.0	22.0	---	21.0
17	15.0	---	0.0	0.0	---	---	11.0	19.5	18.0	22.0	---	21.0
18	15.0	6.0	0.5	0.0	1.0	8.0	11.0	19.0	---	22.0	23.0	20.5
19	---	5.5	---	0.0	1.5	9.5	13.0	18.5	17.0	22.0	23.0	---
20	---	6.5	1.5	0.0	1.0	9.0	---	15.5	15.0	23.0	22.0	---
21	---	---	0.0	0.0	1.0	---	13.0	14.0	14.5	---	22.5	18.0
22	13.0	---	0.0	---	1.0	5.0	14.0	---	15.0	23.0	21.0	18.0
23	---	5.0	0.0	0.0	1.0	7.5	---	13.5	---	23.0	21.0	18.0
24	12.5	5.0	---	0.0	---	6.0	16.0	14.0	17.5	24.0	22.0	16.0
25	12.0	5.0	---	0.0	1.5	7.0	14.0	---	17.0	23.0	---	16.0
26	12.0	---	0.0	0.0	2.5	---	13.0	14.0	19.0	24.0	23.0	16.0
27	12.0	4.0	0.0	0.0	3.5	4.0	---	14.5	---	---	21.0	---
28	12.0	3.5	0.0	0.0	4.0	5.5	11.0	14.0	19.0	24.0	21.0	18.0
29	10.0	2.5	0.0	0.0	---	8.0	---	14.5	18.5	24.0	21.5	16.5
30	9.5	1.0	0.0	---	---	9.0	12.0	14.5	---	24.0	22.0	17.0
31	9.5	---	0.0	0.0	---	---	---	16.0	---	---	---	---
MONTH	---	6.5	0.5	0.0	---	6.5	---	15.0	---	---	---	---

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER			NOVEMBER			DECEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1880	21	107	4570	350	4320	3530	80	762
2	1400	20	103	4840	620	8100	3030	87	712
3	2110	50	285	5030	600	8150	2930	80	633
4	2220	85	670	4860	400	5250	3370	85	773
5	3290	112	995	5110	267	3680	3250	84	737
6	3050	70	576	4800	393	5090	3310	88	786
7	3000	74	599	4050	128	1400	3410	90	829
8	3370	55	500	4100	132	1460	3650	87	857
9	3510	70	663	4250	130	1490	3700	80	799
10	3370	100	910	4030	91	990	3760	73	741
11	3180	169	1450	4270	80	922	3610	89	867
12	3620	164	1600	4090	100	1100	3210	90	780
13	3650	63	621	4040	176	1920	2900	100	783
14	3630	70	686	3850	173	1800	3190	100	861
15	3600	86	836	3660	98	968	3040	100	821
16	3620	40	391	3700	68	679	3460	100	934
17	3000	40	389	3620	80	782	3460	165	1540
18	3570	35	337	3670	95	941	3600	100	972
19	3550	40	383	3560	73	702	3460	70	654
20	4160	40	449	3570	57	549	3480	54	507
21	4250	47	539	3350	60	543	4130	60	669
22	4540	93	1140	3350	70	633	4300	60	697
23	4210	1100	12500	3580	84	812	4190	60	679
24	4050	1600	17500	3770	51	519	3470	60	562
25	4110	600	6660	3740	50	505	3130	60	507
26	4550	320	3930	3400	50	459	1990	60	322
27	4570	217	2680	3260	45	396	1640	60	266
28	4490	194	2350	3020	50	408	1540	60	249
29	5720	3600	55600	2690	52	378	3690	100	996
30	5080	3000	46000	3650	75	739	4860	100	1310
31	4570	1480	18300	---	---	---	2970	100	802
MONTH	115320	---	179749	117480	---	55685	103260	---	23407

GREEN RIVER BASIN

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09315000 GREEN RIVER AT GREEN RIVER, UTAH--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

JANUARY				FEBRUARY				MARCH	
DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	3840	100	1040	3750	150	1520	4670	400	5040
2	4450	100	1200	4120	150	1670	4630	400	5000
3	4240	100	1160	4300	200	2320	5190	423	5930
4	4140	100	1120	4300	250	2900	5470	400	5910
5	4530	100	1220	4300	300	3480	4340	400	4690
6	4750	100	1280	3830	300	3100	3820	350	3610
7	4590	100	1240	3190	300	2580	3520	350	3330
8	4500	100	1220	3790	300	3070	4120	343	3820
9	4500	100	1220	4450	350	4210	4300	350	4060
10	4400	100	1190	4540	350	4290	4580	400	4950
11	4300	100	1160	4750	350	4490	4770	400	5150
12	4300	100	1160	4720	400	5100	4350	471	5530
13	4300	100	1150	4440	400	4840	4160	450	5050
14	4300	100	1150	3580	400	3870	4390	400	4740
15	4240	100	1140	4120	400	4450	4440	400	4800
16	4250	90	1030	4600	400	4970	4230	350	4000
17	4200	80	907	4930	450	5990	4250	300	3440
18	4200	70	794	5740	450	6970	4210	300	3410
19	4200	70	794	5510	450	6690	4100	256	2830
20	4200	63	714	5170	454	6340	3750	262	2650
21	4100	70	775	5320	450	6460	3580	300	2900
22	4000	100	1080	5550	450	6740	3910	300	3170
23	3700	100	999	5750	400	6210	4050	400	4370
24	3200	100	864	5530	400	5970	4120	418	4450
25	3700	100	999	5330	400	5760	3750	400	4050
26	4200	100	1130	5050	400	5450	3480	350	3290
27	4300	100	1150	4830	400	5220	3220	300	2610
28	4300	100	1160	4780	400	5160	3120	292	2460
29	4000	100	1080	---	---	---	3230	300	2620
30	3760	100	1020	---	---	---	3130	350	2960
31	3220	100	859	---	---	---	2860	350	2700
MONTH	124960	---	33045	130310	---	129820	125740	---	123720
APRIL				MAY				JUNE	
DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2820	350	2660	7780	5000	105000	17200	3200	149000
2	3240	377	3300	7420	5100	102000	16600	2950	132000
3	3070	411	3410	6030	3660	59600	14500	2400	94000
4	2840	436	3340	5160	3600	50200	14900	2300	92500
5	2810	400	3030	4730	1580	20200	16600	2500	112000
6	2980	400	3220	4500	920	11200	19100	2660	137000
7	3000	400	3240	4440	1050	12600	20900	2530	143000
8	3270	400	3530	4650	580	7280	22900	2650	164000
9	3170	400	3420	5320	1400	20100	24700	2910	194000
10	3160	400	3410	6390	1400	24200	26200	2670	189000
11	3160	500	4270	6320	1100	18800	27800	2600	195000
12	3350	800	7240	6130	1050	17400	27100	2450	179000
13	3720	1000	10000	5660	800	12200	23000	2590	161000
14	3390	1000	9150	5050	650	8860	19200	2670	138000
15	3160	900	7680	5270	900	12800	18000	2700	131000
16	2990	931	7520	6480	1400	24500	20200	2680	146000
17	2780	1030	7730	8380	2000	45300	23300	2610	164000
18	2910	1730	13600	8900	2600	62500	26200	2500	177000
19	3800	1020	10500	11500	3690	115000	27000	2330	170000
20	4370	1000	11800	14800	5400	216000	26700	2450	177000
21	4290	820	9500	17300	5000	261000	24300	2440	160000
22	4570	1850	22800	21700	3850	226000	22700	2410	148000
23	4760	3400	43700	22400	3800	230000	20400	2540	140000
24	4230	3800	43400	21500	3450	200000	17400	2400	113000
25	3970	3500	37500	20600	3100	172000	17100	2580	119000
26	4320	2700	31500	17500	2900	137000	18300	2500	124000
27	4650	2000	25100	14700	2690	107000	18800	2460	125000
28	5630	2700	41000	13700	2500	92500	18800	2100	107000
29	6170	3100	51600	14700	2390	94900	19200	2420	125000
30	6740	4200	76700	14800	2280	91100	18900	2300	117000
31	---	---	---	15300	2520	104000	---	---	---
MONTH	113340	---	504850	331110	---	2661240	628000	---	4322500

GREEN RIVER BASIN

09315000 GREEN RIVER AT GREEN RIVER, UTAH--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	14200	2020	105000	7340	1420	24100	3210	140	1210
2	14800	2040	104000	7270	667	13100	3160	140	1190
3	26100	1970	107000	7040	600	11400	3570	145	1400
4	20300	2000	110000	6920	577	10800	3510	110	1040
5	20200	2200	120000	5840	776	14400	3400	100	918
6	20700	2000	112000	5700	572	10300	3050	90	741
7	20500	1840	90800	5440	390	6780	3340	100	902
8	26300	1800	94700	5230	400	6730	2860	33	255
9	19400	2000	107000	6010	437	7090	2950	82	653
10	14300	1430	101000	5220	400	6390	3010	133	1080
11	14200	2000	96300	5820	409	6430	2290	130	804
12	17000	2000	91800	5050	325	4960	2490	1600	12500
13	16700	1970	88800	5570	287	4320	2900	2250	17600
14	15700	2320	98300	5440	400	5880	3760	3200	32500
15	14000	2380	90000	5390	490	7130	3570	1320	12700
16	13200	3700	132000	4800	310	4020	3420	1300	12000
17	13700	7200	266000	4580	300	3710	3160	1600	13700
18	13600	4000	147000	4840	524	6850	2880	1320	10300
19	13000	2400	102000	4840	415	5420	2920	1000	7880
20	12000	2150	64700	4740	366	4730	2590	800	5590
21	11000	1600	47500	4810	285	3700	2340	430	2720
22	10800	1290	37600	4810	250	3250	2330	336	2110
23	10500	1240	36600	4840	180	2350	2340	326	2060
24	9400	850	21600	4500	157	1910	2350	280	1780
25	6460	763	18500	3790	140	1430	2270	220	1350
26	8530	658	15200	3890	129	1350	2250	185	1120
27	8110	600	13100	3490	147	1580	2450	160	1060
28	7980	547	11800	3790	171	1750	2550	141	971
29	4030	521	11300	3330	110	989	2920	212	1670
30	7680	1310	27900	3320	144	1290	2490	156	1220
31	7760	1500	31400	3200	140	1210	---	---	---
MONTH	446350	---	2516400	162700	---	189349	87130	---	151024
YEAR	2454700		891249						

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- CHARGE (CFS)	SUS- PENDED SEDIM- ENT (MG/L)	SUS- PENDED SEDIM- ENT DIS- CHARGE (T/DAY)	SUS- SED- FALL DIAM.	SUS- SED- FALL DIAM.
						% FINER 0.002 MM	% FINER 0.004 MM
DEC.							
17...	1620	4.0	3200	199	1720	19	24
JAN.							
20...	1410	4.0	4200	227	2570	19	22
FEB.							
20...	1330	1.0	5200	454	6370	14	16
MAR.							
20...	1615	11.0	3600	312	3030	52	61
APR.							
21...	1450	13.0	4140	1050	11700	23	26
MAY							
01...	1450	12.5	7800	9790	208000	6	7
13...	1515	13.5	23200	4280	266000	34	36
JUNE							
23...	1410	18.0	20600	2350	131000	23	26
JULY							
17...	1955	22.0	13000	7080	244000	35	42
24...	--	23.0	4200	811	20100	24	27
SEP.							
15...	0900	19.0	3610	1490	14500	54	59
24...	1315	15.0	2350	323	2060	61	69

GREEN RIVER BASIN

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09315000 GREEN RIVER AT GREEN RIVER, UTAH--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SUS. SED. FALL DIAM. % FINER THAN .015 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
DEC. 17...	42	79	85	99	100	--
JAN. 20...	39	83	88	97	100	--
FEB. 20...	25	55	79	97	100	--
MAR. 20...	52	92	95	99	100	--
APR. 21...	48	87	87	100	--	--
MAY 01...	11	17	20	30	51	73
13...	52	87	98	100	--	--
JUNE 23...	31	50	82	99	100	--
JULY 17...	56	87	94	99	100	--
24...	34	51	73	90	100	--
SEP. 15...	80	97	99	100	--	--
24...	74	81	85	100	--	--

GREEN RIVER BASIN

09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UTAH

LOCATION.--Lat 38°52'20", long 110°22'20", in NW¼NE¼SW¼ sec.27, T.22 S., R.14 E., Emery County, at gaging station at bridge on State Highway 24, 15 mi (24 km) southwest of Green River, and 35 mi (26 km) upstream from mouth.

DRAINAGE AREA.--1,670 mi² (4,330 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: November 1946 to September 1949, November 1950 to current year.

Water temperatures: July to September 1949, October 1950 to September 1962, October 1964 to current year.

Sediment records: March 1948 to September 1949, October 1950 to September 1959.

EXTREMES.--Current year:

Specific conductance: Maximum daily, 5,250 micromhos Oct. 25; minimum daily, 900 micromhos July 7.

Water temperatures: Maximum, 28.0°C July 7, 28; minimum, freezing point on many days during winter period.

Period of record:

Specific conductance: Maximum daily (1948-49, 1950-70, 1973 to current year), 7,230 micromhos July 15, 1954; minimum daily (1948-49, 1950 to current year), 689 micromhos June 29, 1957.

Water temperatures: Maximum (1949, 1950-61, 1965 to current year), 35.0°C July 11, 1954;

minimum (1949, 1950-61, 1964 to current year), freezing point on many days during winter period each year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SIO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)
OCT. 29...	1510	9.5	161	4.5	140	64	150	6.6	140	0	790
DEC. 04...	0900	.0	32	8.5	300	190	540	7.0	378	0	2200
JAN. 14...	1230	.0	21	13	350	200	470	11	555	0	2000
FEB. 28...	1000	.0	53	7.5	260	160	410	9.4	383	0	1700
MAR. 24...	1030	5.0	36	6.0	280	230	570	9.5	311	0	2500
APR. 28...	1715	15.0	24	6.0	290	190	480	11	310	0	2100
MAY 29...	1630	16.5	102	5.5	170	130	360	9.6	297	0	1400
JUNE 25...	1000	19.0	844	5.8	84	47	80	3.5	256	0	340
JULY 22...	0620	20.0	200	8.5	150	75	180	6.1	260	0	780
AUG. 19...	1430	20.0	72	7.3	170	120	240	8.9	313	6	1300
SEP. 16...	1000	21.0	193	7.2	260	88	270	11	205	0	1400

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT. 29...	19	--	--	--	--	--	--	--	1250	1.70
DEC. 04...	68	--	--	--	--	--	--	--	3500	4.76
JAN. 14...	69	--	--	--	--	--	--	--	3390	4.61
FEB. 28...	64	--	--	--	--	--	--	--	2800	3.81
MAR. 24...	63	--	--	--	--	--	--	--	3810	5.18
APR. 28...	64	--	--	--	--	--	--	--	3290	4.47
MAY 29...	41	--	--	--	--	--	--	--	2260	3.07
JUNE 25...	11	--	--	--	--	--	--	--	699	.95
JULY 22...	21	.14	.04	1.3	1.3	1.4	2.6	1480	1350	2.01
AUG. 19...	34	.10	.00	1.0	1.0	1.1	.45	2260	2090	3.07
SEP. 16...	32	.51	.00	4.9	4.9	5.4	3.8	2300	2170	3.13

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WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD-NESS (CA,MG) (MG/L)	NON-CARBONATE HARD-NESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED OXYGEN (MG/L)
OCT. 29...	543	610	500	2.6	1700	7.4	8.9	--	--	7.5
DEC. 04...	305	1500	1200	6.0	4000	8.0	6.0	--	--	14.1
JAN. 14...	194	1700	1200	5.0	4000	7.2	--	--	--	15.8
FEB. 28...	404	1300	990	4.9	3500	7.9	7.7	--	--	16.3
MAR. 24...	374	1600	1400	6.1	4540	8.0	5.0	--	--	14.3
APR. 28...	215	1500	1300	5.4	4500	8.1	3.8	--	--	10.3
MAY 29...	622	960	720	5.1	3000	7.9	6.0	--	--	10.6
JUNE 25...	1590	400	190	1.7	1000	8.2	2.5	--	--	9.2
JULY 22...	729	680	470	3.0	1900	8.1	3.3	--	25	7.2
AUG. 19...	406	920	650	4.2	2650	8.3	2.6	--	9.5	7.1
SEP. 16...	1130	1000	840	3.7	2540	7.9	4.1	--	32	6.8

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3880	4510	4080	---	---	3230	3570	---	---	---	2320	---
2	3780	4590	---	4600	---	3220	4000	4110	---	---	---	---
3	3760	3920	4590	4640	3880	3340	3700	4340	2940	---	2320	2600
4	3760	---	4610	3780	3990	---	3930	---	2700	---	---	---
5	3450	4630	4240	4410	3890	---	---	4080	---	---	---	---
6	3650	4590	---	4540	3880	3650	---	4170	2400	---	---	---
7	3710	4620	4090	4580	3690	3650	4100	4200	2340	900	---	---
8	3880	4510	4120	4350	3500	3680	2690	---	2400	---	2420	---
9	---	---	4300	4350	3540	3940	2610	3870	2540	---	---	2700
10	---	---	4300	4360	3550	4010	---	---	4040	---	---	---
11	3510	---	---	---	3570	4000	---	3910	2900	---	---	---
12	3510	4580	4700	---	---	4120	---	3910	---	1430	---	2500
13	3660	4500	4580	---	---	4080	---	4110	---	1460	---	---
14	3610	4530	4480	4360	---	4020	---	4060	---	1260	---	---
15	---	4420	4690	4380	---	---	---	---	---	---	---	---
16	3510	4250	4980	4410	---	---	---	4000	1880	1360	---	2600
17	3560	4280	5000	4430	2650	4400	---	---	---	2900	---	---
18	3580	4180	4520	4400	2660	4400	2640	3880	---	2400	---	---
19	---	4220	4350	4250	3820	4450	---	3670	1080	2100	2520	---
20	---	---	---	4200	3830	4420	2680	4310	---	1900	---	---
21	---	---	4210	---	4000	4420	2600	3790	---	---	---	---
22	---	4400	4210	---	3990	4480	---	4220	---	1900	2580	---
23	3610	4350	4650	4260	---	4480	---	2550	---	2450	---	---
24	3580	4300	4640	4260	---	4540	2800	2600	---	2000	---	2650
25	5250	4300	---	4100	3500	4300	---	3360	---	2100	2550	---
26	5000	4300	---	4120	3500	---	---	3490	---	---	---	2630
27	5050	4190	4650	4040	3500	4200	2580	3090	930	---	---	---
28	4570	4190	4660	3910	3400	---	2610	3480	---	2200	---	---
29	---	---	4900	3920	---	4450	2650	3090	---	---	2640	---
30	4120	4240	4920	3850	---	4450	4180	---	---	2300	---	2800
31	4120	---	4920	3900	---	---	---	3610	---	2450	---	---
MONTH	---	---	4540	4260	---	---	---	---	---	---	---	---

09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UTAH--Continued

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.0	9.5	2.0	0.0	---	4.0	8.0	---	---	---	25.0	---
2	18.5	11.0	---	0.0	---	5.0	9.5	20.0	---	---	---	---
3	17.0	7.5	1.0	0.0	0.0	7.0	11.0	13.0	22.0	---	26.5	---
4	18.0	---	0.5	0.0	0.0	---	13.0	---	24.0	---	---	---
5	17.5	9.5	1.0	0.0	0.0	---	---	10.0	---	---	---	---
6	17.5	9.5	---	0.0	0.0	4.0	---	8.0	27.0	---	---	---
7	18.0	8.0	1.0	0.0	0.0	4.0	10.0	10.0	23.0	28.0	---	---
8	18.0	5.0	1.5	0.0	0.0	7.0	10.0	---	20.0	---	20.0	---
9	---	---	0.5	0.0	0.0	10.0	12.0	20.0	20.0	---	---	---
10	---	---	0.0	0.0	0.5	7.0	---	---	23.0	---	---	---
11	18.0	---	---	---	1.0	7.0	---	24.0	21.0	---	---	23.0
12	16.0	8.0	0.5	---	---	5.5	---	14.0	---	22.5	---	---
13	13.0	8.0	0.5	---	---	4.5	---	15.0	---	21.0	---	---
14	12.5	7.0	0.5	0.0	---	6.0	---	16.0	---	21.5	---	---
15	---	8.5	0.0	0.0	---	---	---	---	---	---	---	---
16	10.5	6.0	0.0	0.0	---	---	---	16.0	24.0	23.5	---	---
17	10.5	5.5	0.0	0.0	1.0	7.5	---	---	---	20.5	---	23.0
18	11.0	7.5	0.5	0.0	1.0	9.0	12.0	23.0	---	23.5	---	---
19	---	7.0	1.0	0.0	1.0	12.0	---	16.0	15.0	22.0	21.0	---
20	---	---	---	0.0	1.0	10.0	12.0	13.0	---	22.0	---	22.0
21	---	---	0.0	---	1.0	9.0	12.0	10.0	---	---	---	---
22	---	6.0	0.0	---	1.0	4.0	---	16.0	---	24.0	24.0	---
23	14.5	6.0	0.0	0.0	---	5.5	---	19.0	---	22.0	---	---
24	15.5	5.5	0.0	0.0	---	10.0	14.0	22.0	---	21.0	---	21.0
25	14.5	3.5	---	0.0	1.0	9.0	---	18.0	---	23.5	21.5	---
26	14.0	3.0	---	0.0	1.0	---	---	22.0	---	---	---	19.0
27	12.5	3.0	0.0	0.0	1.0	5.0	15.0	15.0	18.0	---	---	---
28	13.0	2.5	0.0	0.0	0.5	---	14.0	14.0	---	28.0	---	---
29	---	---	0.0	0.0	---	10.0	8.0	18.0	---	---	25.0	---
30	9.5	0.0	0.0	0.0	---	11.0	8.0	---	---	24.0	---	18.5
31	9.0	---	0.0	0.0	---	---	---	23.0	---	26.0	---	---
MONTH	---	---	0.5	0.0	---	---	---	---	---	---	---	---

09379500 SAN JUAN RIVER NEAR BLUFF, UTAH
(National stream-quality accounting network station)

LOCATION.--Lat 37°09'04", long 109°52'00", in SE¼NW¼ sec.7, T.42 S., R.19 E., San Juan County, at bridge on State Highway 47, 1,800 ft (549 m) downstream from gaging station, 20 mi (32 km) southwest of Bluff, and 114 mi (183 km) upstream from mouth.

DRAINAGE AREA.--23,000 mi² (60,000 km²), approximately (at gaging station).

PERIOD OF RECORD.--Chemical analyses: February to June 1927, October 1929 to current year.

Water temperatures: May 1944 to September 1961, October 1964 to current year.

Sediment records: August to September 1928, July 1929 to current year.

EXTREMES.--Current year:

Specific conductance: Maximum daily, 1,290 micromhos Jan. 21; minimum daily, 285 micromhos June 2. (1929 to current year), 208 micromhos June 17, 1952.

Water temperatures: Maximum, 22.5°C on several days during July and August; minimum, freezing point Nov. 30.

Sediment concentrations: Maximum daily, 58,000 mg/l Oct. 29; minimum daily, 215 mg/l Dec. 25.

Sediment discharge: Maximum daily, 731,000 tons (663,200 tonnes) Oct. 29; minimum daily, 521 tons (473 tonnes) Dec. 25.

Period of record:

Specific conductance (1941 to current year: Maximum daily, 2,790 micromhos Sept. 19, 1959; minimum daily (1929 to current year), 208 micromhos June 17, 1952.

Water temperatures: Maximum, 33.0°C July 31, 1959; minimum (1944-61, 1965 to current year), freezing point on many days during winter period of most years.

Sediment concentrations (1929 to current year): Maximum daily, 383,000 mg/l Sept. 21, 1929; minimum daily, no flow for several days in 1934 and 1939.

Sediment discharge (1929 to current year): Maximum daily, 15,700,000 tons (14,240,000 tonnes) Oct. 20, 1973; minimum daily, 0 tons (0 tonnes) on several days in 1934 and 1939.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)
OCT.									
23...	1150	13.0	1030	9.8	100	31	95	4.3	186
NOV.									
19...	1130	7.0	980	11	110	30	82	2.5	186
DEC.									
17...	1100	.0	930	9.6	100	29	78	2.7	181
JAN.									
21...	1150	.0	1000	9.6	83	22	57	2.9	156
FEB.									
19...	1110	3.0	970	8.3	93	30	140	3.1	188
MAR.									
18...	1125	6.5	1570	8.9	100	41	99	4.2	198
APR.									
23...	1230	11.5	3630	8.9	69	22	43	3.0	149
MAY									
20...	1140	13.5	6360	7.8	42	11	20	2.5	110
JUNE									
18...	1430	14.5	8760	5.8	34	7.6	14	1.6	91
JULY									
23...	1240	21.5	4320	9.0	51	10	26	2.2	117
AUG.									
21...	1130	16.0	1640	9.2	71	18	45	2.8	158
SEP.									
18...	1330	19.5	2140	10	72	14	49	3.6	151

DATE	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
OCT.									
23...	0	380	28	.4	1.4	1.5	2.9	.80	809
NOV.									
19...	0	340	25	.3	1.4	.45	1.9	.14	750
DEC.									
17...	0	330	26	.3	1.3	.20	1.5	.14	710
JAN.									
21...	0	260	18	.3	.89	.44	1.3	.06	545
FEB.									
19...	0	420	27	.4	1.3	1.0	2.3	.24	821
MAR.									
18...	0	410	31	.4	1.3	2.0	3.3	2.0	839
APR.									
23...	0	190	16	.3	.11	1.9	2.0	1.4	452
MAY									
20...	0	84	6.0	.2	.26	1.4	1.7	.33	245
JUNE									
18...	0	67	3.9	.2	.14	1.0	1.1	.32	195
JULY									
23...	0	120	7.4	.3	.27	.62	.89	.37	291
AUG.									
21...	6	210	13	.4	.47	.43	.90	.13	458
SEP.									
18...	--	210	13	.4	.67	3.1	3.8	1.1	446

09379500 SAN JUAN RIVER NEAR BLUFF, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 23...	747	1.10	2250	380	230	2.1	1100	8.3
NOV. 19...	692	1.02	1980	400	250	1.8	1020	8.2
DEC. 17...	665	.97	1780	370	220	1.8	930	7.9
JAN. 21...	530	.74	1470	300	170	1.4	760	8.1
FEB. 19...	814	1.12	2150	360	210	3.2	1120	7.9
MAR. 18...	792	1.14	3560	420	260	2.1	1150	7.9
APR. 23...	426	.61	4180	260	140	1.2	580	8.5
MAY 20...	228	.33	4210	150	60	.7	400	8.4
JUNE 18...	179	.27	4610	120	42	.6	300	8.0
JULY 23...	284	.40	3390	170	73	.9	450	8.3
AUG. 21...	454	.62	2030	250	110	1.2	720	8.4
SEP. 18...	446	.61	2580	240	110	1.4	670	--

DATE	TIME	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT. 23...	1150	--	440	440
NOV. 19...	1130	--	140	114
DEC. 17...	1100	--	42	45
FEB. 19...	1110	--	152	120
MAR. 18...	1125	--	130	180
APR. 23...	1230	--	94	220
JUNE 18...	1430	--	4000	1800
JULY 23...	1240	--	400	530
AUG. 21...	1130	--	60	180
SEP. 18...	1330	--	550	960

DATE	TIME	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)
OCT. 23...	1150	14000	20	1200	0	17	2	10	0	0	0	<50
JAN. 21...	1150	1300	10	50	10	1	1	20	1	0	0	<50
APR. 23...	1230	54000	40	1600	10	30	0	<10	1	20	10	<50
JULY 23...	1240	13000	20	570	0	9	5	<10	0	0	0	<50

DATE	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 23...	0	30	7	<100	0	.1	.0	6	5	150	10
JAN. 21...	0	410	2	<100	5	.0	.0	3	3	30	10
APR. 23...	2	80	3	<100	3	.1	.1	4	3	280	20
JULY 23...	1	40	4	<100	4	.0	.0	2	1	140	20

SAN JUAN RIVER BASIN

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09379500 SAN JUAN RIVER NEAR BLUFF, UTAH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	390	1150	1040	643	---	---	1140	522	290	320	630	650
2	---	---	1080	552	1060	1100	1020	519	285	355	---	650
3	1150	1120	1040	555	1080	1100	1190	---	310	330	410	640
4	1190	1110	1060	---	1080	1110	---	516	340	340	430	645
5	1130	1140	1060	537	881	1100	---	488	---	---	460	650
6	1190	1160	1040	---	970	1120	1160	521	290	340	400	---
7	990	1070	---	760	1100	1100	1160	500	---	350	480	---
8	---	1150	1060	752	---	---	1160	521	295	420	560	620
9	1130	---	1120	680	1100	1110	1080	519	340	300	---	680
10	1060	1070	1110	899	---	1110	850	---	430	330	480	620
11	970	1210	1080	---	1050	1110	710	511	435	410	550	620
12	---	1130	1050	905	1050	1110	---	519	435	---	550	600
13	1200	1140	1020	905	1050	1110	610	410	430	350	620	---
14	1100	1130	---	899	---	1110	605	401	---	430	460	560
15	1140	1010	1040	805	---	---	610	398	430	400	700	555
16	1180	---	1020	825	1050	1110	500	418	400	380	---	560
17	---	1100	1020	905	1100	1120	500	---	340	410	560	570
18	---	1080	1020	---	1120	1090	515	403	350	385	620	770
19	---	970	1040	909	1120	---	---	420	340	---	600	765
20	---	1080	1040	1250	1050	1100	560	475	340	380	590	---
21	---	1080	---	1290	1090	1110	510	451	---	430	630	770
22	---	1040	---	1020	---	---	710	450	340	380	610	660
23	---	---	---	1030	1120	1100	560	448	340	380	---	670
24	---	1060	---	1040	1120	1100	980	---	340	380	600	665
25	---	1100	1030	---	---	1100	560	448	340	440	580	670
26	---	1140	---	1060	1020	1110	---	451	340	---	580	660
27	---	1080	---	1110	973	1110	525	481	340	510	570	---
28	---	1070	1020	1120	960	1110	1000	481	---	510	580	660
29	---	1080	---	1120	---	---	835	481	340	530	630	665
30	---	---	---	1120	---	1100	555	481	395	520	---	600
31	---	---	1040	---	---	1120	---	---	---	510	610	---
MONTH	---	1100	---	908	---	1110	784	471	354	401	557	647

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.5	10.0	3.0	1.0	---	---	9.0	11.0	20.0	22.0	22.0	20.0
2	16.5	---	3.5	1.0	1.0	6.0	10.0	12.0	19.0	21.5	---	21.0
3	18.0	8.5	3.0	1.0	2.0	6.0	10.0	---	19.5	22.5	22.5	20.5
4	17.5	9.5	4.0	---	2.0	7.0	10.0	12.0	20.0	22.0	22.0	20.5
5	---	10.5	3.5	0.5	1.5	7.0	---	12.5	---	---	22.0	20.0
6	19.0	9.0	3.5	---	2.0	8.5	9.0	12.5	22.0	22.0	22.5	---
7	18.0	11.5	---	1.0	2.5	8.5	9.0	14.0	---	22.5	22.0	---
8	19.5	11.0	3.0	1.0	---	---	9.0	14.5	22.0	21.0	22.5	19.0
9	20.0	---	3.0	1.0	3.0	8.0	10.0	15.5	21.5	22.0	---	19.0
10	20.5	10.5	3.5	1.0	---	7.0	10.0	---	21.0	22.0	22.0	20.0
11	19.0	10.0	3.0	---	2.5	9.0	9.0	15.0	19.0	22.0	22.0	20.0
12	---	9.0	2.5	1.0	3.0	8.0	---	16.0	19.5	---	22.0	19.5
13	16.5	9.5	3.0	1.0	3.0	9.0	11.0	15.5	20.0	22.0	21.0	---
14	16.5	9.5	---	1.0	---	7.0	11.5	15.5	---	22.0	21.5	18.0
15	14.0	8.0	2.0	1.0	---	---	12.0	16.0	20.0	22.0	22.5	19.0
16	14.0	---	2.5	1.0	5.0	6.0	12.0	17.5	21.0	22.0	---	18.0
17	15.5	9.0	3.0	1.0	4.0	9.0	12.5	---	21.0	22.5	22.0	19.5
18	15.0	8.5	2.0	---	5.0	11.0	11.0	19.5	21.0	22.0	22.5	19.0
19	---	7.5	2.0	1.0	5.0	---	---	18.0	21.0	---	22.0	18.5
20	14.5	7.0	2.5	1.0	4.0	12.0	9.0	18.0	21.5	22.5	22.0	---
21	15.0	6.5	---	1.0	3.0	11.5	9.0	18.5	---	22.0	22.5	16.0
22	16.5	7.5	---	1.0	---	---	10.0	17.0	20.0	22.0	21.0	14.0
23	15.5	---	---	1.0	2.0	8.0	12.0	17.0	20.0	22.5	---	14.0
24	14.0	7.0	---	1.0	3.0	8.5	11.0	---	21.5	22.0	21.0	14.5
25	15.0	6.5	---	---	---	9.0	11.5	17.0	22.0	22.0	22.0	12.0
26	---	---	---	0.5	6.0	6.0	---	16.5	22.0	---	22.0	12.0
27	13.5	2.5	---	1.0	8.5	3.0	9.0	17.5	22.0	---	22.0	---
28	14.0	10.0	---	1.0	8.5	4.5	11.0	18.0	---	22.0	22.0	11.0
29	9.0	1.0	---	1.0	---	---	12.0	19.5	22.0	22.0	22.5	10.0
30	9.5	0.0	---	1.0	---	4.5	11.5	19.5	22.0	21.5	---	10.0
31	11.5	---	2.0	---	---	3.5	---	---	---	21.0	---	---
MONTH	16.0	8.0	---	1.0	---	7.5	10.5	16.0	21.0	22.0	22.0	17.0

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER			NOVEMBER			DECEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	733	1080	2140	1820	11500	56500	892	692	1670
2	733	840	1660	1680	3500	15900	851	700	1610
3	692	597	1120	2740	10000	74000	859	665	1540
4	660	600	1070	2260	7700	47000	859	700	1620
5	680	600	1100	1570	2700	11400	892	717	1730
6	680	608	1120	1440	1000	3890	934	700	1770
7	600	600	972	1210	763	2490	977	900	2370
8	500	432	583	1180	600	1910	1000	859	2320
9	450	800	972	1300	1400	4910	985	900	2390
10	370	1120	1120	1190	1040	3340	985	993	2640
11	370	1500	1500	1180	1000	3190	925	1000	2500
12	600	1600	2590	1100	1570	4660	968	1110	2900
13	700	14000	26500	1040	1400	3930	959	601	1560
14	1100	10500	31200	1010	1600	4360	977	800	2110
15	1400	1000	3780	981	2000	5300	942	1130	2870
16	1400	1000	3780	1020	2000	5510	942	459	1170
17	800	2010	4340	980	2000	5290	985	533	1420
18	720	2000	3890	1010	1000	2730	934	423	1070
19	700	3000	5670	934	992	2500	925	960	2400
20	700	15000	28400	968	1000	2610	867	900	2110
21	700	3500	6610	917	2880	7130	851	600	1380
22	700	5000	9450	775	2000	4180	843	600	1370
23	1000	3000	8100	843	2500	5690	843	600	1370
24	1500	16000	64800	925	3030	7570	881	400	951
25	2380	33500	215000	925	1500	3750	897	215	521
26	1550	14000	58600	925	752	1880	930	400	1000
27	1910	26000	134000	917	700	1730	900	600	1460
28	2950	35000	279000	900	517	1260	900	662	1610
29	4670	58000	731000	884	500	1190	900	600	1460
30	2960	34500	276000	867	500	1170	900	500	1220
31	2880	31500	245000	---	---	---	900	400	972
MONTH	37788	---	2151067	35491	---	296970	28403	---	53084
DAY	JANUARY			FEBRUARY			MARCH		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1000	400	1080	940	400	1020	977	1000	2640
2	1000	465	1260	940	357	906	1460	9000	35500
3	1000	500	1350	900	400	972	3020	28000	228000
4	960	500	1300	850	405	929	3020	24000	196000
5	1000	495	1340	840	450	1020	2430	18000	118000
6	1000	500	1350	820	478	1060	2150	16000	92900
7	960	541	1400	800	500	1080	2050	5000	27700
8	1000	1000	2700	800	500	1080	2090	5000	28200
9	1000	1410	3810	880	527	1250	2610	14000	98700
10	1000	1400	3780	930	600	1510	2880	17000	132000
11	1000	1400	3780	930	814	2040	3000	19000	154000
12	950	1360	3490	940	800	2030	3110	9000	75600
13	930	1400	3520	960	718	1860	2280	7000	43100
14	950	1400	3590	980	800	2120	1560	3000	12600
15	1000	1000	2700	1020	900	2480	1690	5000	22800
16	1000	912	2460	1040	1000	2810	1790	9000	43500
17	1000	1000	2700	1020	1100	3030	1740	17000	79900
18	1000	1000	2700	985	1620	4310	1450	8000	31300
19	1000	1000	2700	934	1700	4290	1390	4500	16900
20	1000	1000	2700	892	1810	4360	1260	4000	13600
21	950	1010	2590	859	1600	3710	1260	4000	13600
22	940	1000	2540	851	1500	3450	1470	6000	23800
23	1000	1000	2700	859	1380	3200	1880	11000	55800
24	1000	1000	2700	867	1000	2340	1710	6000	27700
25	1000	1000	2700	892	640	1540	1400	3000	11300
26	950	926	2380	875	700	1650	1260	2000	6800
27	920	800	1990	892	714	1720	1280	3000	10400
28	850	656	1510	934	700	1770	1380	5000	18600
29	850	600	1380	---	---	---	1240	4000	13400
30	850	613	1410	---	---	---	1190	3000	9640
31	850	500	1150	---	---	---	1140	3000	9230
MONTH	29910	---	72760	25430	---	59537	57167	---	1653210

09379500 SAN JUAN RIVER NEAR BLUFF, UTAH--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1090	2500	7360	3240	15600	136000	5160	2900	40400
2	1090	3000	8830	3110	9900	83100	5220	2500	35200
3	1100	3640	10800	3080	6300	52400	5460	8900	131000
4	1040	4000	11200	3220	10000	86900	6360	15000	258000
5	1030	4000	11100	3510	10200	96700	7230	15000	293000
6	1050	4600	13000	4090	10100	112000	8380	11500	260000
7	1410	11000	41900	3910	7000	73900	9050	10500	257000
8	1870	12000	60600	3290	5000	44400	9460	11900	304000
9	1770	11000	52600	2960	3900	31200	9110	7600	187000
10	1490	9000	33800	2810	3900	29600	8590	4000	92800
11	1290	11000	38300	3280	9500	84100	8290	2400	53700
12	2500	8000	54000	3880	11000	115000	7160	2200	42500
13	2340	5990	37800	5010	13000	176000	6040	3000	48900
14	2650	6000	42900	5460	9500	140000	5910	4000	63800
15	3200	5670	49000	5680	6500	99700	6570	4000	71000
16	4100	6000	66400	6130	9000	149000	7360	2800	55600
17	3900	6700	70600	6650	9200	165000	8040	2840	61700
18	3900	6500	68400	6760	6500	119000	8560	4800	111000
19	3800	6500	66700	6750	6500	118000	7590	3900	79900
20	3500	6680	63100	6230	5000	84100	7010	3000	56800
21	3600	5000	48600	6000	5000	81000	5480	2500	37000
22	3400	4620	42400	5880	4300	68300	4790	2000	25900
23	3630	5000	49000	5540	4000	59800	4430	2000	23900
24	3800	8000	82100	4940	3500	46700	4570	5400	66600
25	3880	5000	52400	4480	3100	37500	4880	5600	73800
26	4150	7000	78400	4220	4000	45600	5520	2900	43200
27	3770	6000	61100	4680	10500	133000	5940	4000	64200
28	3470	6000	56200	5540	12300	184000	5740	3500	54200
29	2980	5000	40200	6320	5000	85300	5970	5300	85400
30	3400	23000	211000	6290	3300	56000	6240	5000	84200
31	---	---	---	5570	3000	45100	---	---	---
MONTH	80100	---	1529790	148510	---	2838400	200110	---	3061700
DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	6260	3000	50700	3610	2500	24400	1500	1800	7290
2	6230	3500	58900	3540	2000	19100	1460	1550	6110
3	6500	4000	70200	3430	1570	14500	1450	1500	5870
4	6840	4000	73900	3400	1200	11000	1430	1640	6330
5	7010	4000	75700	3280	1070	9480	1440	1500	5830
6	7010	3200	60600	3280	2000	17700	1520	1500	6160
7	6480	3000	52500	3200	3930	34000	1690	1500	6840
8	6570	3210	56900	3080	6000	49900	1620	1500	6560
9	6520	3200	56300	3030	6000	49100	1720	1870	8680
10	6960	7000	132000	3000	6000	48600	3630	14000	137000
11	6750	6000	109000	3080	7500	62400	2470	2500	16700
12	7300	7000	138000	3090	7000	58400	2570	3500	24300
13	8320	11000	247000	3390	4000	36600	5940	14000	225000
14	6570	4000	71000	2910	5700	44800	4250	5000	57400
15	5660	2500	38200	2420	8000	52300	3220	5000	43500
16	6320	8000	137000	2480	8000	53600	2590	2500	17500
17	6810	7500	138000	2360	6000	38200	2310	2400	15000
18	7970	13000	280000	2280	3000	18500	2150	4000	23200
19	6440	7000	122000	1980	2000	10700	2050	3800	21000
20	5650	4600	70200	1750	2400	11300	1970	3000	16000
21	5310	3000	43000	1680	2660	12100	2000	6500	35100
22	4970	2900	38900	2100	9000	51000	1980	6000	32100
23	4670	3000	37800	2030	7000	38400	1900	5000	25700
24	4360	4000	47100	1900	1000	5130	1890	5000	25500
25	4260	5000	57500	1810	2000	9770	1810	5000	24400
26	4190	5000	56600	1730	3110	14500	1760	5000	23800
27	4200	7000	79400	1630	3000	13200	1740	4000	18800
28	4080	8000	88100	1590	2910	12500	1710	4000	18500
29	4020	6000	65100	1620	3000	13100	1690	4000	18300
30	3950	5000	53300	1520	2000	8210	1670	4000	18000
31	4020	3000	32600	1510	2210	9010	---	---	---
MONTH	182200	---	2637500	77710	---	851500	65130	---	896470
YEAR	967949		16101988						

SAN JUAN RIVER BASIN

09379500 SAN JUAN RIVER NEAR BLUFF, UTAH--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDED SEDIM- ENT (MG/L)	SUS- PENDED SEDIM- ENT (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
OCT.							
23...	1410	13.0	1030	3360	9340	47	52
24...	1950	14.0	2100	40200	228000	42	50
31...	1510	9.0	2890	27500	215000	53	75
NOV.							
19...	1330	7.0	981	964	2550	15	18
DEC.							
19...	1335	1.0	850	1170	2690	4	5
FEB.							
18...	1340	3.0	998	1650	4450	36	40
MAR.							
19...	1340	8.5	1500	41	168	35	38
APR.							
23...	1400	11.5	3720	7890	79200	11	13
MAY							
21...	1435	13.5	6060	4790	78400	13	15
JUNE							
19...	1330	15.0	7520	3870	78600	6	7
JULY							
22...	1300	22.0	4860	2920	38300	21	22
AUG.							
19...	1300	22.0	1800	1260	6120	15	16
SEP.							
19...	1200	19.0	2070	3960	22100	31	32

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
OCT.						
23...	72	91	93	94	100	--
24...	61	65	69	93	100	--
31...	87	97	99	100	--	--
NOV.						
19...	25	39	53	78	97	100
DEC.						
19...	7	13	39	89	100	--
FEB.						
18...	44	60	73	93	100	--
MAR.						
19...	47	72	85	94	99	100
APR.						
23...	18	65	92	93	100	--
MAY						
21...	20	42	72	94	100	--
JUNE						
19...	9	24	60	92	99	100
JULY						
22...	26	44	70	95	100	--
AUG.						
19...	20	30	54	91	100	--
SEP.						
19...	37	56	79	89	99	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- CHARGE (CFS)	BED MAT. FALL DIAM. % FINER THAN .250 MM	BED MAT. FALL DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM
OCT.										
23...	1410	13.0	1030	36	82	88	88	89	99	100
FEB.										
18...	1340	3.0	998	26	99	100	--	--	--	--

09405420 NORTH FORK VIRGIN RIVER BELOW BULLOCK CANYON, NEAR GLENDALE, UTAH

LOCATION.--Lat 37°25'06", long 112°47'59", in SW¼NW¼SE¼ sec.13, T.39 S., R.9 W., Kane County, 200 ft (61 m) downstream from Bullock Canyon, 7.5 mi (12.1 km) south of Navajo Lake, 19 mi (31 km) from Navajo Lake turnoff at U-14, and 10 mi (16 km) northeast of Glendale.

DRAINAGE AREA.--35.7 mi² (92.5 km²).

PERIOD OF RECORD.--Sediment records: October 1974 to September 1975.

EXTREMES.--Current year:

Sediment concentrations: Maximum daily, 12,000 mg/l Aug. 21; minimum daily, 10 mg/l on many days.

Sediment discharge: Maximum daily, 389 tons (353 tonnes) Aug. 21; minimum daily, 0.15 ton (0.14 tonne) Jan. 2.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICRO-MHOS)
DEC.				
04...	1205	8.6	2.0	435
APR.				
23...	1245	20	7.5	440
MAY				
09...	1320	10	12.5	480
JUNE				
16...	1430	20	16.0	360
JULY				
22...	1515	14	17.0	375

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER			NOVEMBER			DECEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	5.6	54	.82	10	50	1.4	9.1	20	.49
2	5.7	10	.15	10	50	1.4	8.8	20	.48
3	7.3	520	10	10	50	1.4	8.6	20	.46
4	6.5	130	2.3	10	50	1.4	9.0	18	.44
5	6.1	60	.99	9.7	50	1.3	9.2	20	.50
6	6.1	80	1.3	9.6	50	1.3	8.7	20	.47
7	6.1	91	1.5	9.9	50	1.3	8.5	20	.46
8	6.1	33	.54	10	50	1.4	8.0	20	.43
9	6.4	42	.73	9.9	50	1.3	8.3	20	.45
10	6.5	49	.86	9.8	50	1.3	8.6	20	.46
11	6.4	43	.74	9.9	40	1.1	8.8	20	.48
12	6.1	42	.69	10	40	1.1	8.9	20	.48
13	6.1	40	.66	11	40	1.2	8.9	20	.48
14	6.1	40	.66	10	40	1.1	9.1	20	.49
15	6.1	50	.82	10	40	1.1	9.3	20	.50
16	1.9	41	.21	9.8	40	1.1	9.4	20	.51
17	1.9	58	.30	9.7	40	1.0	9.0	20	.49
18	1.9	62	.32	9.6	40	1.0	9.2	20	.50
19	1.9	70	.36	9.4	40	1.0	9.0	20	.49
20	1.9	153	.78	9.3	40	1.0	8.9	20	.48
21	1.9	314	1.6	9.4	30	.76	9.1	20	.49
22	2.0	66	.36	9.9	30	.80	9.0	20	.49
23	2.2	82	.49	9.3	30	.75	9.4	20	.51
24	2.1	54	.31	9.2	30	.75	9.2	20	.50
25	2.0	54	.29	9.1	30	.74	9.1	20	.49
26	3.2	1140	9.9	8.8	30	.71	9.1	20	.49
27	3.0	450	3.6	8.7	30	.70	9.2	20	.50
28	10	1300	35	8.6	30	.70	9.4	20	.51
29	10	200	5.4	8.8	30	.71	9.2	20	.50
30	9.7	100	2.6	9.2	30	.75	9.2	20	.50
31	10	80	2.2	---	---	---	9.2	20	.50
MONTH	158.8	---	86.48	288.6	---	31.57	278.4	---	15.02

VIRGIN RIVER BASIN

09405420 NORTH FORK VIRGIN RIVER BELOW BULLOCK CANYON, NEAR GLENDALE, UTAH--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JANUARY			FEBRUARY			MARCH		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	8.9	10	.24	9.3	10	.25	21	100	5.7
2	8.6	10	.24	11	10	.30	19	100	5.1
3	8.8	10	.24	11	10	.30	18	100	4.9
4	8.8	10	.24	11	10	.30	16	100	4.3
5	8.9	10	.24	11	10	.30	15	80	3.2
6	8.8	10	.24	13	10	.35	16	80	3.5
7	9.0	10	.24	11	10	.30	15	80	3.2
8	9.2	10	.25	11	10	.30	15	80	3.2
9	8.6	10	.18	12	10	.32	16	80	3.5
10	9.4	10	.25	12	10	.32	15	80	3.2
11	9.3	10	.25	11	10	.30	16	100	4.3
12	9.3	10	.25	11	10	.30	15	100	4.1
13	9.3	10	.25	11	10	.30	14	100	3.8
14	9.4	10	.25	11	10	.30	14	100	3.8
15	9.7	10	.26	12	10	.32	14	100	3.8
16	9.8	10	.26	11	10	.30	15	160	6.5
17	9.8	10	.26	11	10	.30	13	160	5.6
18	10	10	.27	11	10	.30	14	160	6.0
19	10	10	.27	12	10	.32	16	200	8.6
20	10	10	.27	12	10	.32	13	249	8.7
21	10	10	.27	12	10	.32	13	200	7.0
22	9.6	10	.26	11	20	.59	12	200	6.5
23	10	10	.27	11	20	.59	12	160	5.2
24	11	10	.30	12	10	.32	13	160	5.6
25	11	10	.30	13	10	.35	12	160	5.2
26	11	10	.30	13	10	.35	12	100	3.2
27	11	10	.30	15	20	.81	11	100	3.0
28	10	10	.27	19	20	1.0	11	100	3.0
29	11	10	.30	---	---	---	11	100	3.0
30	11	10	.30	---	---	---	12	100	3.2
31	11	10	.30	---	---	---	12	100	3.2
MONTH	300.4	---	8.12	331.3	---	10.43	441	---	143.1
DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	12	100	3.2	19	300	15	18	170	8.3
2	11	100	3.0	19	300	15	18	173	8.4
3	12	100	3.2	19	500	26	18	164	8.0
4	14	200	7.6	17	400	18	18	150	7.3
5	20	300	16	16	400	17	18	140	6.8
6	17	300	14	16	645	28	19	120	6.2
7	16	200	8.6	16	506	22	19	100	5.1
8	16	200	8.6	16	500	22	18	80	3.9
9	16	200	8.6	17	489	22	19	80	4.1
10	16	200	8.6	17	500	23	19	70	3.6
11	14	200	7.6	17	500	23	19	70	3.6
12	17	300	14	17	502	23	19	70	3.6
13	21	300	17	17	423	19	19	63	3.2
14	14	200	7.6	16	334	14	19	58	3.0
15	13	200	7.0	16	337	15	20	57	3.1
16	13	200	7.0	18	400	19	20	100	5.4
17	13	200	7.0	18	400	19	19	87	4.5
18	13	200	7.0	19	400	21	19	95	4.9
19	13	200	7.0	18	390	19	19	60	3.1
20	18	400	19	22	500	30	20	64	3.5
21	22	600	36	22	500	30	19	73	3.7
22	26	800	56	23	600	37	18	76	3.7
23	25	644	43	23	500	31	18	76	3.7
24	25	600	40	22	400	24	18	57	2.8
25	25	500	34	20	300	16	18	68	3.3
26	21	500	28	20	304	16	17	81	3.7
27	19	400	21	20	503	27	17	45	2.1
28	19	400	21	18	290	14	17	47	2.2
29	19	400	21	18	184	8.9	17	50	2.3
30	19	300	15	18	209	10	17	76	3.5
31	---	---	---	18	169	8.2	---	---	---
MONTH	519	---	496.6	572	---	632.1	553	---	130.6

09405420 NORTH FORK VIRGIN RIVER BELOW BULLOCK CANYON, NEAR GLENDALE, UTAH--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	16	28	1.2	13	369	13	9.8	208	5.5
2	16	35	1.5	13	508	18	9.7	174	4.6
3	16	49	2.1	13	300	11	9.7	169	4.4
4	16	44	1.9	13	219	7.7	9.7	155	4.1
5	15	61	2.5	13	195	6.8	9.6	125	3.2
6	15	50	2.0	13	161	5.7	9.6	136	3.5
7	15	50	2.0	13	173	6.1	9.6	100	2.6
8	16	52	2.2	12	150	4.9	9.7	102	2.7
9	15	100	4.1	12	163	5.3	11	165	4.9
10	15	116	4.7	12	300	9.7	10	235	6.3
11	15	117	4.7	12	496	16	9.3	204	5.1
12	14	107	4.0	12	575	19	9.2	166	4.1
13	17	110	5.0	12	614	20	11	146	4.3
14	16	102	4.4	12	282	9.1	11	120	3.6
15	15	267	11	12	225	7.3	10	124	3.3
16	14	250	9.5	12	207	6.7	9.7	126	3.3
17	14	966	37	12	500	16	9.0	183	4.4
18	14	539	20	12	640	21	8.6	141	3.3
19	14	635	24	12	449	15	8.5	142	3.3
20	14	400	15	13	413	14	8.0	134	2.9
21	14	367	14	12	12000	389	7.7	160	3.3
22	14	425	16	11	2000	59	7.6	214	4.4
23	14	251	9.5	11	709	21	7.4	230	4.6
24	14	303	11	11	400	12	7.2	646	13
25	14	252	9.5	11	239	7.1	7.1	440	8.4
26	14	224	8.5	10	266	7.2	7.1	680	13
27	14	300	11	10	259	7.0	6.9	668	12
28	15	318	13	10	203	5.5	6.9	300	5.6
29	17	387	18	10	216	5.8	6.9	100	1.9
30	15	418	17	10	244	6.6	6.8	100	1.8
31	14	394	15	10	---	---	---	---	---
MONTH	461	---	301.3	364	---	752.5	264.3	---	147.4
YEAR	4531		2755.2						

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	SUSPENDED SEDIMENT FALL DIAM.		SUSPENDED SEDIMENT FALL DIAM.		SUSPENDED SEDIMENT FALL DIAM.		SUSPENDED SEDIMENT FALL DIAM.		SUSPENDED SEDIMENT FALL DIAM.	
		% FINER THAN .016 MM	% FINER THAN .002 MM	% FINER THAN .125 MM	% FINER THAN .250 MM	% FINER THAN .500 MM	% FINER THAN 1.00 MM	% FINER THAN .016 MM	% FINER THAN .002 MM	% FINER THAN .125 MM	% FINER THAN .250 MM
OCT. 26...		96	100	--	--	--	--				
MAR. 20...		--	69	82	96	100	--				
APR. 23...		37	60	75	95	100	--				
MAY 19...		--	49	65	87	99	100				
AUG. 21...		91	97	98	99	100	--				
DATE	TIME	TEMPERATURE (DEG C)	VIS-COSITY (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT (T/DAY)	SUSPENDED SEDIMENT FALL DIAM. % FINER THAN .002 MM	SUSPENDED SEDIMENT FALL DIAM. % FINER THAN .004 MM				
OCT. 26...	1530	--	8.7	2160	51	39	59				
MAR. 20...	1235	--	14	221	8.4	32	38				
APR. 23...	1230	--	20	579	31	22	26				
MAY 19...	1325	12.5	16	389	19	16	21				
AUG. 21...	1730	--	24	31300	2030	30	52				

VIRGIN RIVER BASIN

09415000 VIRGIN RIVER AT LITTLEFIELD, ARIZ.

LOCATION.--Lat 36°53'30", long 113°55'25", in SW¼SW¼ sec.4, T.40 N., R.15 W., Mohave County, at gaging station 0.5 mi (0.8 km) downstream from Beaver Dam Wash, 0.4 mi (0.6 km) upstream from Littlefield, and 36 mi (58 km) upstream from waterline of Lake Mead at elevation 1,221 ft (372 m) above mean sea level.

DRAINAGE AREA.--5,090 mi² (13,200 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: July 1949 to current year.

Water temperatures: October 1947 to current year.

Sediment records: October 1947 to September 1968.

EXTREMES.--Current year:

Specific conductance: Maximum daily, 3,730 micromhos Oct. 13; minimum daily, 1,570 micromhos May 21.

Water temperatures: Maximum, 33.0°C July 23, 24.

Period of record:

Specific conductance: Maximum daily, 4,650 micromhos Aug. 21, 1966; minimum daily, 685 micromhos May 12, 1973.

Water temperatures: Maximum, 33.5°C July 7, 1953; minimum (1947-74), 2.0°C Jan. 4, 1949, Jan. 4, 1950, Jan. 4, 5, 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 18...	1730	24.0	58	21	370	100	270	29	313	0	1100	360
JAN. 14...	1700	--	112	20	280	90	270	27	355	0	840	390
23...	1130	9.0	130	19	290	87	260	24	365	0	830	370
FEB. 13...	1730	--	168	17	260	80	260	23	319	0	800	360
MAR. 19...	0900	13.0	217	16	230	73	230	23	320	0	690	300
APR. 03...	1100	12.0	165	17	260	83	240	26	352	0	750	320
28...	0830	16.0	75	19	340	110	260	30	338	0	1000	370
MAY 15...	1600	25.0	A323	13	210	56	170	17	288	0	510	230
20...	1200	17.0	A405	13	220	56	160	15	294	0	590	220
JUNE 20...	1200	23.0	66	19	360	120	260	31	290	0	1100	380
21...	1100	25.0	60	19	370	120	270	31	308	0	1200	370
JULY 10...	1730	--	50	20	350	130	230	29	190	0	1200	380
17...	1045	25.0	78	20	380	110	260	31	371	0	1100	410
AUG. 11...	0930	23.5	60	19	360	120	280	33	303	0	1200	390
SEP. 26...	0940	20.0	62	21	380	110	270	31	337	0	1200	370
DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (P04) (MG/L)	DIS- SOLVED BORON (B) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HAZAR- DOUS- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HAZAR- DOUS- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH
OCT. 18...	1.0	.16	.12	1100	2410	3.28	377	1300	1000	3.2	3420	--
JAN. 14...	.8	.49	.03	870	2100	2.86	635	1100	810	3.6	3030	--
23...	.9	.60	.09	810	2060	2.80	768	1100	800	3.4	3100	7.3
FEB. 13...	.7	.43	.06	730	1960	2.67	889	980	720	3.6	3300	--
MAR. 19...	.8	.42	.09	580	1720	2.34	1010	880	620	3.4	2500	--
APR. 03...	.9	.58	.18	720	1870	2.54	833	990	700	3.3	2800	7.2
28...	.9	.34	.12	900	2300	3.13	466	1300	1000	3.1	2800	--
MAY 15...	.6	.55	.15	540	1350	1.84	722	760	520	2.7	2150	--
20...	.6	.40	.06	460	1420	1.93	1130	780	540	2.5	2400	7.2
JUNE 20...	1.0	1.2	.00	1000	2420	3.29	431	1400	1200	3.0	3230	7.4
21...	.9	.15	.06	1000	2530	3.44	410	1400	1100	3.1	3376	--
JULY 10...	1.1	.09	.03	1000	2440	3.32	329	1400	1200	2.7	--	--
17...	--	.32	--	--	2520	3.43	531	1400	1100	3.3	3510	--
AUG. 11...	--	--	--	--	2550	3.47	454	1400	1100	3.3	3370	7.7
SEP. 26...	--	--	--	--	2550	3.47	427	1400	1100	3.1	3420	7.5

A Daily mean discharge

09415000 VIRGIN RIVER AT LITTLEFIELD, ARIZ.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) * WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3550	2630	2960	2930	2820	2610	2110	3230	2400	3330	3250	3360
2	3550	2170	2960	2930	2880	2620	2150	2940	2300	3300	3410	3360
3	3380	2170	3100	2950	3000	2430	2710	2950	2460	3330	3300	3310
4	3570	2600	3100	2980	2980	2730	2640	2790	2580	3340	3410	3350
5	3590	2850	3000	3010	2850	2710	2760	2230	2800	3300	3450	3330
6	3600	2800	2710	2990	2890	2680	2000	2570	3000	3330	3430	3370
7	3380	2820	2850	3050	2950	1990	2350	3100	3200	3320	3410	3340
8	3470	2860	2880	2990	2980	2210	2480	3180	3190	3300	3430	3340
9	3550	2870	2900	2940	2870	2600	2490	3230	3290	3330	3430	3660
10	3610	2800	2960	2900	2800	2520	2700	2960	3400	3350	3420	3500
11	3670	2840	3090	3140	2810	2400	2780	2190	3310	3350	3430	3440
12	3490	2880	3100	3150	2850	2430	2900	1580	3400	3350	3320	3470
13	3730	2980	3000	3290	2950	2640	2450	2110	3400	3580	3430	3470
14	3720	3080	3040	3310	2950	2680	2980	2070	3320	3200	3340	3380
15	3530	3070	3090	3380	2810	2520	2970	2010	3380	3570	3380	3360
16	3650	3040	3000	3210	2810	2560	2780	1920	3450	3260	3440	3400
17	3620	3000	3000	3090	2810	2600	3100	1920	3490	3440	3440	3300
18	3630	3010	2990	3150	2830	2490	3050	2080	3410	3330	3390	3410
19	3600	3030	3010	3150	2810	2400	3180	2160	3400	3350	3400	3350
20	3570	3090	3060	3160	2940	2560	3200	1850	3430	3360	3280	3280
21	3720	3170	3040	3160	2890	2490	3120	1570	3390	3380	3000	3430
22	3640	3170	3020	3100	2950	2450	3200	1950	3420	3360	3280	3430
23	3630	3130	3010	3160	2980	2460	2780	2170	3490	3350	3390	3370
24	3660	3130	2910	3200	2870	2520	2700	2260	3580	3360	3620	3370
25	3650	2990	3040	3240	2890	2680	2700	2430	3490	3410	3680	3410
26	3630	3180	3030	3190	2830	2490	2450	2260	3220	3350	3510	3400
27	3630	3160	3010	3100	2850	2330	2450	2260	3410	3350	3500	3410
28	3100	3210	2920	2820	2850	2580	2670	2150	3500	3360	3460	3360
29	3350	3190	2880	3160	---	2820	2750	2300	3510	2020	3440	3410
30	2310	3200	2870	3090	---	2830	2700	2440	3440	2350	3390	3400
31	2360	---	2910	3000	---	2810	---	2570	---	2970	3410	---
MONTH	3490	2940	2980	3090	2880	2540	2710	2370	3240	3270	3400	3390

TEMPERATURE (DEG. C) OF WATER * WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	12.0	11.0	---	---	---	14.0	25.0	27.0	27.0	26.0	26.5
2	28.0	15.0	11.0	---	---	---	20.0	20.0	24.0	29.0	29.0	28.0
3	25.0	15.0	14.0	---	---	---	16.0	24.0	24.0	27.0	30.0	30.5
4	26.0	15.0	14.0	---	---	---	16.0	19.0	25.0	27.0	30.0	30.0
5	28.0	13.0	14.0	---	---	---	17.0	23.0	27.0	28.0	30.0	30.0
6	29.0	14.0	13.0	---	---	---	15.0	21.0	28.0	29.0	29.0	28.0
7	26.0	13.0	12.0	---	---	---	15.0	23.0	28.0	30.0	30.0	28.5
8	26.0	15.0	14.0	---	---	---	17.0	22.0	24.0	31.0	30.0	27.0
9	24.0	15.0	12.0	---	---	---	16.0	25.0	29.0	33.0	30.0	28.0
10	24.0	15.0	12.0	---	---	---	21.0	23.0	28.0	30.0	31.0	28.5
11	25.0	14.0	---	---	---	---	21.0	23.0	29.0	30.0	30.0	26.5
12	27.0	15.0	---	---	---	---	20.0	19.0	28.0	30.0	28.0	25.0
13	28.0	15.0	---	---	---	---	22.0	25.0	30.0	30.0	29.0	24.5
14	28.0	17.0	---	---	---	---	17.0	25.0	29.0	26.0	29.0	28.5
15	26.0	16.0	---	---	---	---	21.0	25.0	30.0	26.0	28.0	27.0
16	24.0	15.0	---	---	---	---	20.0	20.0	26.0	30.0	29.0	28.5
17	27.0	15.0	---	---	---	---	19.0	24.0	26.0	30.0	26.0	29.0
18	28.0	16.0	---	---	---	---	22.0	21.0	23.0	26.0	27.0	29.0
19	25.0	16.0	---	---	---	16.0	21.0	21.0	29.0	28.0	28.0	27.0
20	25.0	16.0	---	---	---	19.0	25.0	19.0	31.0	28.0	24.5	28.0
21	23.0	16.0	---	---	---	18.0	25.0	15.0	25.0	27.0	24.5	25.5
22	25.0	16.0	---	---	---	16.0	24.0	19.0	30.0	27.0	26.0	24.5
23	23.0	16.0	---	---	---	16.0	24.0	23.0	24.0	33.0	27.0	26.5
24	24.0	15.0	---	---	---	20.0	23.0	23.0	22.0	33.0	28.0	27.0
25	23.0	12.0	---	---	---	15.0	18.0	24.0	28.0	30.0	28.0	25.5
26	23.0	13.0	---	---	---	13.0	22.0	24.0	24.0	32.0	27.0	25.5
27	23.0	15.0	---	---	---	9.0	22.0	21.0	26.0	30.0	25.5	25.5
28	20.0	15.0	---	---	---	19.0	16.0	24.0	27.0	30.0	25.5	27.0
29	20.0	12.0	---	---	---	16.0	25.0	23.0	25.0	25.0	29.0	26.5
30	20.0	13.0	---	---	---	17.0	25.0	26.0	26.0	28.0	27.5	26.5
31	22.0	---	---	---	---	14.0	---	25.0	---	25.0	29.0	---
MONTH	25.0	14.5	---	---	---	---	20.0	22.5	26.5	29.0	28.0	27.5

BEAR RIVER BASIN

10059500 BEAR LAKE OUTLET CANAL NEAR PARIS, IDAHO
(National stream-quality accounting network station)

LOCATION.--Lat 42°13'00", long 111°20'35", in SW¼ sec.8, T.14 S., R.44 E., Bear Lake County, on right bank
2,000 ft (610 m) downstream from headgates (at dike), and 3 mi (5 km) southeast of Paris.

PERIOD OF RECORD.--Chemical analyses: October 1974 to September 1975.

WATER QUALITY DATA. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	HICAR- BONATE (HC03) (MG/L)
OCT.									
15...	1330	9.5	4.0	8.7	59	30	29	2.5	290
NOV.									
12...	1200	4.0	4.3	7.5	53	22	14	1.4	262
DEC.									
10...	1145	1.5	628	8.9	43	49	37	3.7	312
JAN.									
14...	1300	.5	532	10	47	51	39	4.0	340
FEB.									
11...	1250	1.5	5.0	10	58	44	36	3.3	332
MAR.									
11...	1230	4.0	5.0	9.8	57	42	41	3.9	305
APR.									
15...	1300	5.5	5.0	7.3	52	30	32	2.5	257
MAY									
13...	1200	10.5	259	8.3	64	29	39	2.6	286
JUNE									
10...	1220	14.0	5.0	8.6	55	29	26	2.8	276
JULY									
15...	1230	23.0	838	8.8	53	23	27	2.7	265
AUG.									
12...	1230	20.5	1170	5.8	50	28	25	2.3	271
SEP.									
10...	1200	18.0	1000	8.5	32	54	41	4.6	287

DATE	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
OCT.									
15...	0	59	30	.2	.00	.58	.58	.01	373
NOV.									
12...	0	23	12	.1	.03	.34	.37	.03	268
DEC.									
10...	2	72	42	.2	.05	.17	.22	.03	404
JAN.									
14...	0	71	46	.2	.03	.62	.65	.00	437
FEB.									
11...	0	66	41	.2	.17	.22	.39	.01	406
MAR.									
11...	0	83	48	.1	.11	.75	.86	.05	447
APR.									
15...	0	64	36	.3	.01	.64	.65	.04	365
MAY									
13...	0	71	46	.3	.01	.49	.50	.07	406
JUNE									
10...	0	42	27	.2	.01	.93	.94	.03	346
JULY									
15...	0	36	26	.2	.02	.67	.69	.09	317
AUG.									
12...	4	37	27	.2	.05	.65	.70	.06	326
SEP.									
10...	14	71	43	.2	.00	.38	.38	.06	409

10059500 BEAR LAKE OUTLET CANAL NEAR PARIS, IDAHO.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA.MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 15...	362	.51	4.03	270	33	.8	630	8.0
NOV. 12...	262	.36	3.04	220	8	.4	--	7.8
DEC. 10...	412	.55	6.85	310	50	.9	700	8.4
JAN. 14...	436	.59	6.26	330	48	.9	710	7.9
FEB. 11...	422	.55	5.48	330	54	.9	720	7.8
MAR. 11...	435	.61	6.03	320	65	1.0	730	7.5
APR. 15...	351	.50	4.93	250	43	.9	540	7.9
MAY 13...	401	.55	2.84	280	45	1.0	670	8.4
JUNE 10...	327	.47	4.67	260	30	.7	590	7.7
JULY 15...	307	.43	7.17	230	10	.8	570	7.8
AUG. 12...	313	.44	10.30	240	11	.7	530	7.9
SEP. 10...	410	.56	11.00	300	43	1.0	715	8.4

DATE	TIME	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT. 15...	1330	--	--	6
NOV. 12...	1200	--	--	1
DEC. 10...	1145	--	--	6
MAR. 11...	1230	--	3	60
APR. 15...	1300	--	0	4
JUNE 10...	1220	--	20	18
JULY 15...	1230	--	28	70
AUG. 12...	1230	--	18	49
SEP. 10...	1200	--	6	45

DATE	TIME	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)
OCT. 15...	1330	300	150	40	0	1	1	<10	0	0	0	<50
JAN. 14...	1300	250	10	50	30	--	3	20	0	--	10	<50
APR. 15...	1300	410	50	40	30	2	0	<10	0	0	0	<50
JULY 15...	1230	830	60	70	20	4	2	10	0	0	0	<50

DATE	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 15...	0	<10	2	<100	3	.0	.0	0	0	580	10
JAN. 14...	0	10	1	<100	2	.0	.0	0	0	30	20
APR. 15...	0	25	1	<100	4	.0	.0	0	0	40	20
JULY 15...	2	30	0	<100	4	.1	.0	0	0	20	10

BEAR RIVER BASIN

10126000 BEAR RIVER NEAR CORINNE, UTAH
(National stream-quality accounting network station)

LOCATION.--Lat 41°34'35", long 112°06'00", inSE¼NE¼ sec.30, T.10 N., R.2 W., Box Elder County, on right bank 1.2 mi (1.9 km) downstream from Salt Creek, 2.0 mi (3.2 km) northeast of Corinne, and 2.8 mi (4.5 km) downstream from Malad River.

DRAINAGE AREA.--6,800 mi² (17,610 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: November 1973 to current year.
Water temperatures: October 1974 to September 1975.

EXTREMES.--Current year:
Water temperatures: Maximum, 25.0°C July 25, 26; minimum, freezing point on several days during December to February.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)
OCT.									
07...	1700	12.5	955	13	51	43	120	12	345
31...	1230	9.0	1560	12	62	35	110	13	337
NOV.									
27...	1040	3.5	1810	13	68	37	100	12	348
DEC.									
23...	1130	.0	1900	14	63	39	98	9.7	351
JAN.									
27...	1300	2.0	2100	15	65	36	78	8.6	354
FEB.									
24...	1215	1.0	1200	15	69	40	160	15	372
MAR.									
24...	1130	6.0	2320	16	62	39	100	12	347
APR.									
28...	1250	7.5	3210	13	60	32	95	9.7	308
MAY									
30...	1445	17.0	4030	9.5	52	20	59	7.0	245
JUNE									
23...	1230	16.0	3970	8.3	52	21	68	7.2	238
JULY									
28...	1330	25.5	600	13	64	36	240	22	311
AUG.									
24...	1230	19.0	687	15	69	65	300	20	211
SEP.									
17...	1300	19.5	1080	13	57	44	180	15	342

DATE	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
OCT.									
07...	0	52	170	.3	.42	.95	1.4	.16	652
31...	1	51	170	.3	.34	.72	1.1	.76	625
NOV.									
27...	0	46	150	.2	.67	.20	.87	.09	596
DEC.									
23...	0	55	140	.2	.68	.33	1.0	.07	597
JAN.									
27...	0	46	110	.2	.92	.55	1.5	.14	541
FEB.									
24...	0	60	240	.3	.86	.12	.98	.13	783
MAR.									
24...	0	59	140	.4	.93	.78	1.7	.22	615
APR.									
28...	0	52	130	.3	.76	.83	1.6	.22	558
MAY									
30...	0	31	85	.2	.27	.91	1.2	.15	397
JUNE									
23...	0	23	100	.1	.32	.48	.80	.11	418
JULY									
28...	1	63	370	.4	.19	1.5	1.7	.26	943
AUG.									
24...	8	56	460	.4	.27	1.2	1.5	.17	1140
SEP.									
17...	0	67	260	.3	.17	1.1	1.3	.13	817

BEAR RIVER BASIN

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10126000 BEAR RIVER NEAR CORINNE, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT.								
07...	631	.89	1630	300	21	3.0	1165	8.6
31...	620	.85	2610	300	21	2.8	1060	8.4
NOV.								
27...	598	.81	2920	320	37	2.4	990	8.4
DEC.								
23...	592	.81	3040	320	30	2.4	930	8.3
JAN.								
27...	533	.74	3020	310	20	1.9	990	7.9
FEB.								
24...	783	1.06	2540	340	32	3.8	1320	8.2
MAR.								
24...	599	.84	3850	320	31	2.5	1060	8.2
APR.								
28...	544	.76	4710	280	29	2.5	1050	8.7
MAY								
30...	384	.54	4180	210	11	1.8	700	8.1
JUNE								
23...	397	.57	4260	220	21	2.0	720	8.1
JULY								
28...	963	1.28	1560	310	51	6.0	1680	8.5
AUG.								
24...	1100	1.55	1930	200	13	9.3	2030	8.5
SEP.								
17...	805	1.11	2350	320	43	4.4	1300	8.5

DATE	TIME	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT.				
07...	1600	--	97	100
31...	1230	--	1600	1400
NOV.				
26...	1040	--	30	70
DEC.				
23...	1130	--	11	88
JAN.				
27...	1300	--	2	25
FEB.				
24...	1215	--	28	71
MAR.				
24...	1130	--	40	150
APR.				
28...	1250	--	120	420
MAY				
30...	1445	--	29	64
JUNE				
23...	1230	--	140	130
JULY				
28...	1330	--	720	180
SEP.				
17...	1300	--	70	560

BEAR RIVER BASIN

10126000 BEAR RIVER NEAR CORINNE, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)
OCT. 07...	1700	1300	30	60	0	3	3	<10	<1	0	0	<50
JAN. 27...	1300	610	40	20	10	3	2	<10	0	0	0	50
APR. 28...	1250	2400	10	110	0	4	4	<10	0	0	0	<50
JULY 28...	1330	2500	10	110	0	9	6	<10	0	--	20	<50
SEP. 17...	1300	810	20	50	0	--	6	<10	0	10	0	<50

DATE	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 07...	0	--	11	<100	3	.0	.0	0	0	60	40
JAN. 27...	1	20	2	<100	5	.0	.0	1	1	30	6
APR. 28...	0	<10	4	<100	3	.0	.0	1	0	70	0
JULY 28...	0	10	2	<100	6	.0	.0	0	0	40	6
SEP. 17...	0	10	3	<100	1	.0	.0	0	0	30	0

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	9.0	2.0	0.0	0.0	1.5	4.0	9.5	17.0	---	24.0	21.5
2	---	10.5	2.5	0.0	0.0	4.5	5.0	10.0	18.0	---	19.5	19.0
3	---	10.0	2.0	0.0	0.0	4.0	5.5	11.5	17.0	18.0	23.5	21.0
4	---	11.0	2.0	0.0	0.0	5.0	5.0	12.0	17.0	20.0	24.0	19.5
5	---	10.0	3.5	0.0	0.5	5.0	7.5	11.0	17.0	21.5	24.0	18.0
6	---	10.5	3.5	0.0	0.5	5.5	7.0	10.0	18.5	21.0	23.0	19.0
7	---	9.0	4.0	0.5	1.0	5.5	6.0	9.0	19.0	22.5	24.0	18.5
8	---	7.0	4.5	1.0	1.0	5.5	5.0	8.5	19.5	20.5	24.0	20.0
9	---	6.5	3.0	0.5	1.0	6.0	6.5	11.0	18.5	21.5	23.5	---
10	---	7.0	1.5	0.0	0.5	6.0	7.0	11.0	17.0	22.0	24.0	21.0
11	---	8.0	1.0	0.5	1.0	6.5	6.0	11.5	19.0	21.5	23.5	20.0
12	---	8.0	1.0	0.0	0.5	6.0	7.5	12.0	18.0	20.0	---	20.5
13	---	7.5	1.5	0.0	1.0	6.0	8.0	15.0	18.5	17.0	---	21.0
14	---	8.5	1.0	0.0	2.0	7.0	10.0	14.5	18.0	21.0	---	19.5
15	12.0	9.0	0.5	0.0	1.0	6.0	10.0	16.0	21.5	20.0	23.0	21.0
16	13.5	7.0	1.0	0.0	0.5	6.5	10.0	17.5	18.0	21.0	20.0	20.0
17	13.0	6.0	1.5	0.5	0.0	5.0	9.0	17.5	15.0	20.0	21.0	20.0
18	12.0	6.0	1.0	0.5	0.5	6.0	8.0	17.0	15.0	20.0	18.5	19.5
19	13.0	6.0	0.5	0.0	1.0	5.5	9.0	17.0	13.0	21.5	19.5	17.5
20	13.5	5.0	1.0	0.5	1.0	6.0	10.0	14.0	12.0	22.0	20.0	16.0
21	12.0	5.0	0.5	0.5	1.0	7.5	11.0	13.0	15.0	21.0	21.0	15.0
22	12.5	6.0	0.0	0.0	0.0	7.0	11.5	10.0	16.0	24.5	20.0	16.5
23	11.0	5.0	0.0	0.5	0.0	6.0	10.5	10.0	17.5	23.5	20.0	16.0
24	10.0	5.0	0.0	1.0	0.0	6.5	11.0	13.5	18.0	24.5	21.0	15.5
25	12.0	4.5	0.0	1.0	0.5	5.5	10.5	12.0	17.0	25.0	20.0	16.5
26	11.5	4.0	0.0	1.0	0.5	4.5	10.0	12.0	16.5	25.0	23.0	15.5
27	12.0	4.5	0.0	0.0	1.5	4.5	8.0	14.0	16.5	23.5	21.0	16.0
28	11.5	4.0	0.0	0.0	2.0	3.5	7.5	13.5	18.0	22.0	20.0	16.0
29	10.5	3.0	0.0	0.0	---	2.0	8.0	14.5	18.0	22.5	20.5	16.0
30	10.0	2.5	0.0	0.0	---	2.5	9.0	14.0	---	23.0	19.0	15.5
31	9.0	---	0.0	0.5	---	2.0	---	17.0	---	---	21.0	---
MONTH	---	7.0	1.5	0.5	0.5	5.0	8.0	13.0	17.0	21.5	21.5	18.0

WEBER RIVER BASIN

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10136500 WEBER RIVER AT GATEWAY, UTAH

LOCATION.--Lat 41°08'13", long 111°49'54", in NE¼SW¼SW¼ sec.27, T.5 N., R.1 E., Morgan County, at gaging station, on left bank 400 ft (122 m) downstream from tailrace of Gateway powerplant, 500 ft (152 m) upstream from Union Pacific Railroad bridge, 1,200 ft (366 m) downstream from Strawberry Creek, and 3,200 ft (975 m) east of section house at Gateway.

DRAINAGE AREA.--1,610 mi² (4,170 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: May 1958 to current year.

Water temperatures: October 1958 to September 1959.

REMARKS.--Flow regulated by Rockport, Echo, and East Canyon Reservoirs.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
FEB. 14...	1000	2.0	252	9.8	68	18	20	3.8	273	0	31	29
MAR. 12...	1300	4.0	425	11	65	18	20	3.1	260	0	32	30
APR. 02...	1055	3.0	550	9.3	65	19	19	2.6	266	0	34	27
MAY 09...	1210	7.0	1440	9.8	54	13	14	2.3	203	0	30	19
JUNE 09...	1100	7.5	2700	7.5	40	9.2	9.2	1.6	149	0	18	12
JULY 15...	1120	8.0	1230	9.7	42	13	11	1.9	186	0	18	13
AUG. 13...	1145	14.0	560	9.4	62	15	14	2.1	235	0	31	19
SEP. 24...	1500	13.0	459	7.8	57	15	14	2.2	231	0	24	18

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHOPHOS- PHATE (PO ₄) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS AC-FT) PER DAY	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
FEB. 14...	.2	.54	.00	50	317	.43	216	240	16	.6	560	7.3
MAR. 12...	.1	.53	.15	50	311	.42	357	240	26	.6	--	7.4
APR. 02...	.2	.46	.06	30	309	.42	459	240	22	.5	--	7.5
MAY 09...	.1	.27	.09	50	244	.33	1280	190	22	.4	390	7.4
JUNE 09...	.1	.20	.12	10	172	.23	1250	140	16	.3	300	7.4
JULY 15...	.2	.23	.00	50	208	.28	691	170	21	.4	290	7.3
AUG. 13...	.2	.37	.15	40	270	.37	408	220	24	.4	450	7.8
SEP. 24...	.1	--	.00	30	252	.34	312	200	15	.4	400	8.0

WEBER RIVER BASIN

10141000 WEBER RIVER NEAR PLAIN CITY, UTAH
(National stream-quality accounting network station)

LOCATION.--Lat 41°16'42", long 122°05'28", in NW¼NW¼NE¼ sec.8, T.6 N., R.2 W., Weber County, on State Highway 40, 1 mi (2 km) downstream from Fourmile Creek, 1.5 mi (2.4 km) south of Plain City, and 6 mi (10 km) upstream from mouth.

DRAINAGE AREA.--2,060 mi² (5,340 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1974 to September 1975.

WATER QUALITY DATA. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)
OCT.									
07...	1230	12.0	189	10	58	20	36	5.3	267
10...	0830	12.5	204	9.1	63	21	48	7.4	268
NOV.									
04...	1100	8.0	178	11	71	23	49	7.3	303
DEC.									
02...	1100	4.0	148	9.6	68	23	47	6.6	297
JAN.									
06...	1230	3.0	286	8.6	64	19	35	5.0	266
FEB.									
03...	1200	4.5	375	8.6	63	18	30	4.2	266
MAR.									
03...	1300	7.5	550	8.5	65	19	32	4.3	270
APR.									
07...	1230	5.0	947	9.8	64	19	25	4.4	255
MAY									
05...	1330	6.0	1590	8.3	48	14	17	2.6	186
15...	1430	10.0	3060	8.3	38	11	12	2.6	148
JUNE									
04...	1315	9.5	2280	7.5	35	8.7	12	1.9	135
JULY									
07...	1400	18.0	1440	7.9	48	12	14	2.6	185
AUG.									
04...	1245	19.5	112	11	63	21	44	6.6	284
22...	0950	17.0	156	11	56	18	37	5.7	236
SEP.									
03...	1145	17.0	135	12	56	19	43	6.2	245

DATE	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
OCT.									
07...	0	30	46	.2	1.8	1.2	3.0	.97	363
16...	--	32	63	.2	--	--	--	--	--
NOV.									
04...	0	40	64	.2	1.3	.90	2.2	.89	458
DEC.									
02...	0	41	61	.2	1.3	.84	2.1	1.2	413
JAN.									
06...	0	31	48	.2	1.2	1.0	2.2	.63	346
FEB.									
03...	0	27	45	.2	1.1	1.0	2.1	.53	330
MAR.									
03...	0	32	44	.2	.78	.89	1.7	.48	348
APR.									
07...	0	34	35	.2	.70	.58	1.3	.37	324
MAY									
05...	0	24	25	.2	.50	.57	1.1	.21	246
15...	0	19	18	.1	--	--	--	--	--
JUNE									
04...	0	15	16	.1	.41	.67	1.1	.22	169
JULY									
07...	0	18	19	.1	.42	.58	1.0	.22	220
AUG.									
04...	0	28	64	.3	1.6	1.2	2.8	1.4	396
22...	0	26	49	.2	--	--	--	--	--
SEP.									
03...	0	28	57	.3	1.8	1.3	3.1	1.0	354

WEBER RIVER BASIN

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10141000 WEBER RIVER NEAR PLAIN CITY, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT.								
07...	337	.49	185	230	8	1.0	627	8.1
16...	391	.53	215	240	24	1.3	650	--
NOV.								
04...	415	.62	190	270	23	1.3	710	7.9
DEC.								
02...	403	.56	161	260	21	1.3	660	7.8
JAN.								
06...	342	.47	264	240	20	1.0	580	7.5
FEB.								
03...	327	.45	331	230	13	.9	560	8.0
MAR.								
03...	338	.47	517	240	19	.9	570	7.7
APR.								
07...	317	.44	811	240	29	.7	470	8.0
MAY								
05...	231	.33	1060	180	25	.6	350	8.4
15...	184	.25	1520	140	19	.4	320	8.2
JUNE								
04...	163	.23	1040	120	12	.5	280	7.8
JULY								
07...	244	.30	949	170	18	.5	370	8.2
AUG.								
04...	372	.54	120	240	22	1.2	670	7.8
22...	326	.44	137	210	20	1.1	560	8.3
SEP.								
03...	342	.48	129	220	17	1.3	610	7.5

DATE	TIME	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT.				
07...	--	--	30	20
DEC.				
02...	1100	--	1	2
JAN.				
06...	1230	--	--	2
FEB.				
03...	1200	--	--	7
MAR.				
03...	1300	--	1	5
APR.				
07...	1230	--	70	32
MAY				
05...	1330	--	150	100
JUNE				
04...	1315	--	140	85
JULY				
07...	1405	--	220	17
AUG.				
04...	1245	--	91	63
SEP.				
03...	1145	--	24	13

10141000 WEBER RIVER NEAR PLAIN CITY, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

		TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)
DATE	TIME											
OCT.												
07...	1230	410	40	110	90	3	3	<10	<1	0	0	<50
16...	0830	--	40	--	50	--	--	--	--	--	--	--
JAN.												
06...	1230	10	10	60	50	1	0	10	0	0	0	0
APR.												
07...	1230	1900	30	110	0	4	2	<10	0	0	0	<50
MAY												
15...	1430	--	40	--	20	--	--	--	--	--	--	--
JULY												
07...	1400	1400	590	70	80	1	3	<10	1	0	0	<50
AUG.												
22...	0950	--	10	--	60	--	--	--	--	--	--	--

[illegible]

WEBER RIVER BASIN

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10141050 SOUTH FORK WEBER CANAL NEAR HOOPER, UTAH

LOCATION.--Lat 41°11'09", long 112°09'37", in SE¼NE¼ sec.10, T.5 N., R.3 W., Weber County, on right bank at diversion headgate upstream from bridge, and 2.4 mi (3.9 km) northwest of Hooper.

PERIOD OF RECORD.--Chemical analyses: June 1972 to current year.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (NA) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- RONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 17...	1140	13.0	40	9.7	60	25	50	9.5	294	--	39	66
NOV. 27...	1415	3.5	33	12	67	36	91	16	372	--	50	110
JUNE 11...	1020	13.0	29	9.5	48	14	30	6.9	214	--	30	28
JULY 25...	1430	--	3.0	10	240	460	3800	320	338	--	910	6800
AUG. 22...	1550	20.5	36	13	58	24	49	9.1	286	0	35	53

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO ₄) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 17...	.2	1.2	1.7	160	412	.56	45.4	250	12	1.4	660	--
NOV. 27...	.3	.95	.77	200	571	.78	51.2	320	10	2.2	890	--
JUNE 11...	.2	.42	.46	70	275	.37	21.8	180	2	1.0	450	--
JULY 25...	.4	.89	1.3	1700	12700	17.3	103	2500	2200	33	17000	--
AUG. 22...	.2	.89	1.3	140	388	.53	37.7	240	9	1.4	660	8.3

WEBER RIVER BASIN

10141100 SOUTH FORK WEBER RIVER NEAR HOOPER, UTAH

LOCATION.--Lat 41°10'56", long 112°10'10", in NW¼SE¼ sec.10, T.5 N., R.3 W., Weber County, on left bank 0.5 mi (0.8 km) below diversion headgates, 2.5 mi (4.0 km) upstream from mouth, and 2.6 mi (4.0 km) northwest of Hooper.

PERIOD OF RECORD.--Chemical analyses: January 1972 to current year.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (NA) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
JAN. 23...	1140	1.0	295	9.2	63	21	42	6.4	282	--	32	60
FEB. 18...	1555	4.0	479	11	63	28	70	10	327	0	43	82
MAR. 24...	1330	6.0	312	12	59	27	77	12	312	0	54	91
APR. 17...	1545	6.0	1380	7.4	48	16	29	4.6	215	0	27	39
JUNE 10...	1205	12.0	1160	8.8	44	11	16	3.1	167	0	24	20
AUG. 22...	1325	19.0	103	11	58	20	47	6.2	253	0	28	62

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
JAN. 23...	.2	1.2	1.1	100	379	.52	302	240	12	1.2	630	--
FEB. 18...	.2	1.2	1.7	150	476	.65	616	270	2	1.8	760	8.2
MAR. 24...	.3	1.1	1.0	150	492	.67	414	260	3	2.1	770	8.7
APR. 17...	.1	.68	.25	70	281	.38	1050	190	9	.9	475	8.2
JUNE 10...	.1	.39	.43	50	212	.29	664	160	18	.6	340	7.8
AUG. 22...	.2	1.4	2.1	100	366	.50	102	230	20	1.4	610	8.2

WEBER RIVER BASIN

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10141150 MIDDLE FORK WEBER RIVER NEAR HOOPER, UTAH

LOCATION.--Lat 41°12'48", long 112°09'36", in SW¼NW¼ sec.35, T.6 N., R.3 W., Weber County, on right bank upstream from bridge, 1.6 mi (2.6 km) upstream from mouth, and 4.0 mi (6.4 km) northwest of Hooper.

PERIOD OF RECORD.--January 1972 to current year.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
NOV. 26...	1800	6.0	65	11	71	23	50	7.0	298	--	41	68
APR. 17...	1225	5.5	92	7.3	50	14	17	3.1	213	0	23	24

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (P04) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
NOV. 26...	.2	2.0	2.8	110	430	.58	76.2	270	28	1.3	680	--
APR. 17...	.1	.55	.21	50	246	.33	61.3	180	8	.5	410	8.3

WEBER RIVER BASIN

10141200 NORTH FORK WEBER RIVER NEAR HOOPER, UTAH

LOCATION.--Lat 41°13'18", long 112°10'48", in SE¼SE¼ sec.28, T.6 N., R.3 W., Weber County, on right bank 20 ft (6 m) upstream from concrete bridge, 3.5 mi (5.6 km) upstream from mouth, and 5 mi (8 km) northwest of Hooper.

PERIOD OF RECORD.--Chemical analyses: January 1972 to current year.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTANT- ANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 16...	1350	14.0	57	8.8	62	22	46	7.4	277	--	32	62
NOV. 26...	1430	5.0	160	10	71	24	50	6.6	298	--	40	64
FEB. 18...	1425	4.0	89	11	64	25	71	7.9	323	0	41	82
MAR. 21...	1610	8.5	283	11	54	17	31	4.7	227	0	26	40
APR. 16...	1550	7.0	794	7.3	50	15	20	3.3	212	0	24	28
JUNE 06...	1640	14.0	677	7.8	40	8.7	12	1.8	138	0	18	15
JULY 16...	1600	22.0	254	4.1	58	15	30	4.0	222	--	24	40
AUG. 22...	1325	20.5	11	8.8	62	23	57	7.1	285	0	31	69

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO ₄) (MG/L)	DIS- SOLVED BORON (B) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- UENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 16...	.2	2.0	2.1	140	388	.53	60.4	250	18	1.3	630	--
NOV. 26...	.2	1.7	2.5	120	423	.54	143	280	32	1.3	690	--
FEB. 18...	.2	1.2	1.6	170	464	.64	113	260	0	1.9	830	8.2
MAR. 21...	.3	.75	.74	80	302	.41	231	200	19	.9	470	8.2
APR. 16...	.1	.56	.25	60	255	.35	547	190	13	.6	405	8.1
JUNE 06...	.1	.42	.34	40	174	.24	318	140	23	.4	280	--
JULY 16...	.2	.62	.87	70	244	.40	206	210	25	.9	460	--
AUG. 22...	.2	.98	1.9	150	405	.55	12.2	250	15	1.6	600	8.5

WEBER RIVER BASIN

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10141400 HOWARD SLOUGH AT HOOPER, UTAH

LOCATION.--Lat 41°08'25", long 112°07'17", in SW¼SW¼NW¼ sec.30, T.5 N., R.2 W., Davis County, on upstream end of left wingwall of bridge on State Highway 37, 1.5 mi (2.4 km) south of Hooper, and 2.7 mi (4.3 km) upstream from mouth.

DRAINAGE AREA.--20.6 mi² (53.4 km²).

PERIOD OF RECORD.--Chemical analyses: January 1972 to current year.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 22...	1240	10.5	16	12	57	28	62	11	337	--	47	61
DEC. 06...	1350	5.0	30	20	64	43	84	18	440	--	57	72
JAN. 08...	1235	.5	33	14	60	27	100	10	325	--	43	130
FEB. 19...	0925	1.0	40	17	64	43	74	13	422	--	51	63
MAR. 12...	1100	4.0	40	16	64	45	89	19	441	0	64	77
APR. 18...	1000	5.5	76	16	47	47	130	27	481	0	74	110
JUNE 11...	1220	15.0	44	13	46	25	46	9.1	293	--	39	33
JULY 08...	1510	29.0	22	19	50	31	69	14	350	--	42	47
AUG. 21...	1220	17.0	46	17	60	29	46	10	327	0	43	39

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO- PHOS- PHATE (P04) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 22...	.3	1.1	.25	180	450	.61	20.3	260	0	1.7	730	--
DEC. 06...	.3	2.2	.52	260	586	.80	48.7	340	0	2.0	920	--
JAN. 08...	.3	2.0	.52	140	554	.75	50.3	260	0	2.7	930	--
FEB. 19...	.3	3.1	.49	190	548	.75	60.1	340	0	1.8	900	8.3
MAR. 12...	.5	3.3	.86	230	608	.83	65.7	350	0	2.1	890	8.1
APR. 18...	.3	2.2	1.5	480	700	.95	144	310	0	3.2	1080	8.3
JUNE 11...	.2	.57	.43	160	359	.49	42.9	220	0	1.4	590	--
JULY 08...	.4	.18	.43	240	446	.61	26.5	250	0	1.9	729	--
AUG. 21...	.3	.58	.28	170	409	.56	51.8	270	1	1.2	680	8.5

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°38'43", long 111°55'18", in NE&SW¼ sec.14, T.2 S., R.1 W., at bridge at 5800 South, and 2.3 mi (3.7 km) southwest of Murray.

DRAINAGE AREA.--3,240 mi² (8,390 km²).

PERIOD OF RECORD.--Chemical analyses: February 1974 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)
OCT.											
10...	1430	15.0	250	31	140	78	200	19	318	0	370
25...	0000	12.0	185	32	180	70	220	19	354	0	460
NOV.											
08...	1320	12.0	265	30	170	73	210	17	352	0	410
21...	0030	9.0	150	29	170	68	210	15	344	0	420
DEC.											
04...	1030	9.5	330	28	170	74	210	18	339	0	430
20...	1140	9.0	140	28	170	69	200	17	348	0	430
JAN.											
03...	0900	5.0	140	30	180	70	210	16	353	0	430
16...	1300	8.0	130	29	170	69	200	16	333	0	420
30...	1330	7.0	135	30	160	73	200	16	344	0	440
FEB.											
13...	1315	5.0	560	23	100	59	150	15	308	0	270
27...	1320	6.5	440	22	95	57	150	15	292	0	270
MAR.											
14...	1300	6.5	470	20	83	54	140	13	251	0	240
25...	1400	7.0	500	20	89	60	150	15	274	0	280
APR.											
10...	1340	8.5	500	21	87	59	160	18	274	0	270
25...	1250	10.5	510	21	84	58	160	16	273	0	250
MAY											
22...	1155	12.0	70	24	140	63	180	16	308	0	350
JUNE											
05...	1450	18.0	135	23	140	63	190	16	317	0	400
20...	1345	15.0	445	21	95	55	150	16	263	0	280
JULY											
02...	1340	18.0	220	24	120	60	160	16	287	0	320
17...	1300	18.0	200	25	130	54	170	17	293	0	350
31...	1245	17.0	175	28	140	66	190	21	319	0	370
AUG.											
14...	1310	19.0	380	27	130	65	190	19	343	0	380
27...	1300	17.0	140	28	140	72	190	19	320	0	390
SEP.											
10...	1000	17.0	195	27	130	70	200	18	318	0	390
25...	1000	14.5	140	28	130	68	190	18	323	0	390

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT.										
10...	280	.00	.74	1.5	.76	1.5	.48	1360	1270	1.85
25...	310	2.3	.56	1.2	.64	3.5	.33	1570	1470	2.14
NOV.										
08...	290	3.1	.04	2.0	2.0	5.1	.67	1490	1370	2.03
21...	290	2.1	.59	1.0	.41	3.1	.42	1460	1370	1.99
DEC.										
04...	300	2.1	.59	1.2	.61	3.3	.50	1440	1400	1.96
20...	300	2.1	1.2	1.8	.60	3.9	.67	1460	1390	1.99
JAN.										
03...	310	2.4	.85	1.3	.45	3.7	.53	1460	1420	1.99
16...	310	2.2	1.8	2.5	.70	4.7	.70	1430	1380	1.94
30...	310	2.0	1.6	2.0	.40	4.0	.59	1430	1400	1.94
FEB.										
13...	200	.00	.70	2.0	1.3	2.0	.46	1030	969	1.40
27...	210	.11	.01	1.2	1.2	1.3	.13	1030	963	1.40
MAR.										
14...	190	.00	.58	1.9	1.3	1.9	.28	876	864	1.19
25...	200	.78	.54	1.7	1.2	2.5	.29	954	949	1.30
APR.										
10...	210	.99	.52	1.5	.98	2.5	.26	1000	960	1.36
25...	220	.83	.52	1.7	1.2	2.5	.36	991	944	1.35
MAY										
22...	270	1.9	1.0	1.2	.20	3.1	.55	1290	1190	1.75
JUNE										
05...	270	1.8	1.5	3.7	2.2	5.5	.00	1310	1260	1.78
20...	200	1.1	.38	1.4	1.0	2.5	.31	993	947	1.35
JULY										
02...	240	1.6	.85	1.7	.85	3.3	.39	1150	1080	1.56
17...	240	1.3	.73	1.8	1.1	3.1	.49	1180	1130	1.60
31...	270	1.8	.78	2.3	1.5	4.1	.51	1320	1240	1.80
AUG.										
14...	270	1.8	.78	2.2	1.4	4.0	.60	1290	1250	1.75
27...	260	2.2	.82	2.3	1.5	4.5	.59	1310	1260	1.78
SEP.										
10...	270	1.7	.39	2.0	1.6	3.7	.50	1250	1260	1.70
25...	270	1.8	.53	1.4	.87	3.2	.47	1300	1250	1.77

10167300 JORDAN RIVER AT 5800 SOUTH, NEAR SALT LAKE CITY, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS- SOLVED OXYGEN (MG/L)
OCT.										
10...	918	670	410	3.4	2030	7.8	7.2	23	6.3	8.5
25...	784	740	450	3.5	2240	7.6	14	21	1.6	7.1
NOV.										
08...	1070	730	440	3.4	--	7.6	14	18	5.7	9.3
21...	591	700	420	3.4	--	7.7	11	10	7.1	8.6
DEC.										
04...	1280	730	450	3.4	2100	7.7	11	19	5.1	8.9
20...	552	710	420	3.3	2130	7.7	11	20	4.6	9.0
JAN.										
03...	552	740	450	3.4	2080	7.4	22	17	4.1	9.1
16...	502	710	440	3.3	2110	7.9	6.7	23	--	10.6
30...	521	700	420	3.3	2090	7.7	11	19	5.5	10.8
FEB.										
13...	1560	490	240	2.9	1590	8.0	4.9	35	10	10.5
27...	1220	470	230	3.0	1540	7.8	7.4	27	6.1	10.0
MAR.										
14...	1110	430	220	2.9	1410	7.8	6.4	32	8.0	10.2
25...	1290	470	240	3.0	1500	7.9	5.5	21	9.3	9.8
APR.										
10...	1350	460	240	3.2	1610	8.1	3.5	30	--	9.8
25...	1360	450	220	3.3	1700	8.4	1.7	26	10	7.8
MAY										
22...	244	610	360	3.2	1910	8.0	4.9	16	8.4	6.6
JUNE										
05...	478	610	350	3.4	1900	7.7	10	26	10	10.0
20...	1190	460	250	3.0	1600	7.9	5.3	25	7.5	8.3
JULY										
02...	683	550	310	3.0	1810	7.8	7.3	23	6.9	7.7
17...	637	550	310	3.2	1850	8.0	4.7	16	7.2	7.2
31...	624	620	360	3.3	2030	7.9	6.4	22	7.9	7.6
AUG.										
14...	1320	590	310	3.4	2030	8.1	4.4	26	11	6.6
27...	495	650	380	3.3	1800	7.4	20	28	8.9	--
SEP.										
10...	658	610	350	3.5	1820	7.9	6.4	36	9.6	7.0
25...	491	600	340	3.4	1790	7.7	10	23	7.0	--

DATE	TIME	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT.				
10...	1430	450	160	--
25...	0800	12000	480	--
NOV.				
21...	0830	1080	4	--
DEC.				
04...	1030	1200	100	--
20...	1140	400	4	--
JAN.				
03...	0900	2400	420	--
16...	1300	100	8	--
FEB.				
13...	1315	940	57	--
27...	1320	60	50	--
MAR.				
14...	1300	5700	740	--
25...	1400	2100	90	--
APR.				
10...	1340	1000	56	--
25...	1250	21000	16000	--
MAY				
08...	1340	960	140	--
22...	1155	520	50	--
JUNE				
05...	1450	2000	260	--
20...	1345	17000	2200	--
JULY				
02...	1340	3800	500	--
17...	1300	2400	270	--
31...	1245	4200	600	--
AUG.				
14...	1310	6000	920	--
27...	1300	--	41750	--
SEP.				
10...	1000	80000	5000	--
25...	1000	24000	200	--

JORDAN RIVER BASIN

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH
(National stream-quality accounting network station)

LOCATION.--Lat 40°43'39", long 111°55'26", in SW¼SE¼SW¼ sec.14, T.1 S., R.1 W., Salt Lake County, on left bank 800 ft (244 m) downstream from diversion structure at head of Surplus Canal, 0.2 mi (0.3 km) downstream from highway bridge on 21st South Street, Salt Lake City, and 2 mi (3 km) downstream from Mill Creek.

DRAINAGE AREA.--3,420 mi² (8,858 km²) includes 255 mi² (660 km²) closed basin in Cedar Valley.

PERIOD OF RECORD.--Chemical analyses: January 1974 to current year.

Specific conductance: October 1974 to September 1975.

Water temperatures: April to September 1975.

EXTREMES.--Current year:

Specific conductance: Maximum, 2,000 micromhos Jan. 8; minimum, 654 micromhos June 15, 17.

Water temperatures (April to September 1975): Maximum, 28.0°C Aug. 29, 30.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)
OCT. 16...	0930	12.5	150	26	--	64	170	16	313
NOV. 11...	1000	8.5	122	24	140	58	160	14	327
DEC. 09...	1130	7.0	114	22	130	50	150	13	317
JAN. 13...	1230	5.0	106	24	140	53	170	14	328
FEB. 10...	1040	7.0	93	23	120	53	150	14	316
MAR. 10...	1015	8.0	138	19	86	52	130	14	265
APR. 14...	1150	8.5	117	20	87	60	150	17	265
MAY 12...	1120	11.0	39	18	100	49	130	11	272
JUNE 09...	1215	10.5	25	12	68	29	69	6.7	190
JULY 14...	1230	14.0	145	16	66	32	82	8.0	176
AUG. 12...	1200	18.0	140	23	98	57	160	16	291
SEP. 08...	1000	16.5	180	23	99	58	160	16	280

DATE	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
OCT. 16...	0	340	240	.5	2.5	2.0	4.5	1.5	1180
NOV. 11...	0	330	230	.5	2.8	2.5	5.3	1.7	1190
DEC. 09...	0	280	220	.4	2.7	2.7	5.4	1.8	1110
JAN. 13...	0	350	220	.4	2.7	3.3	6.0	2.2	1170
FEB. 10...	0	300	220	.4	2.5	2.6	5.1	1.7	1120
MAR. 10...	0	250	180	.5	1.3	2.7	4.0	1.0	902
APR. 14...	0	270	210	.7	1.4	2.0	3.4	.88	1010
MAY 12...	0	270	170	.4	2.0	2.1	4.1	.99	922
JUNE 09...	0	150	88	.3	1.7	1.8	3.5	1.0	558
JULY 14...	0	160	110	.3	1.3	1.4	2.7	.63	572
AUG. 12...	0	300	230	.6	2.2	2.4	4.6	1.1	1070
SEP. 08...	0	290	210	.6	2.1	1.9	4.0	1.2	1040

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)
OCT. 16...	--	1.60	478	--	--	--	1700	7.7
NOV. 11...	1120	1.62	392	590	320	2.9	1740	7.6
DEC. 09...	1020	1.51	342	530	270	2.8	1640	7.5
JAN. 13...	1130	1.59	323	570	300	3.1	1720	7.4
FEB. 10...	1040	1.52	281	520	260	2.9	1700	7.5
MAR. 10...	862	1.23	336	430	210	2.7	1250	7.7
APR. 14...	945	1.37	319	460	250	3.0	1550	7.9
MAY 12...	883	1.25	97.1	450	230	2.7	1350	8.1
JUNE 09...	517	.76	34.9	290	130	1.8	890	7.6
JULY 14...	561	.78	224	300	150	2.1	874	8.0
AUG. 12...	1030	1.46	405	480	240	3.2	--	7.4
SEP. 08...	995	1.41	484	490	260	3.2	1560	7.6

DATE	TIME	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT. 16...	0930	--	--	67
NOV. 11...	1000	--	32	--
DEC. 09...	1130	--	3	6
JAN. 13...	1230	--	10	1
FEB. 10...	1040	--	--	16
MAR. 10...	1015	--	0	12
APR. 14...	1150	--	0	9
JUNE 09...	1215	--	2	7
JULY 14...	1230	--	620	80
AUG. 12...	1200	--	4200	1600
SEP. 08...	1000	--	500	400

DATE	TIME	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)
OCT. 16...	0930	770	60	70	40	15	13	<10	1	0	0	<50
JAN. 13...	1230	460	30	50	60	9	8	<10	1	0	0	50
APR. 14...	1150	2300	10	70	30	29	11	<10	0	0	0	<50
JULY 14...	1230	1500	10	100	30	13	8	<10	1	10	0	<50

DATE	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 16...	0	10	10	<100	4	.1	.1	4	4	300	30
JAN. 13...	1	30	10	100	3	--	.2	--	4	40	30
APR. 14...	1	50	4	100	2	--	.0	2	2	60	30
JULY 14...	0	60	7	300	2	.1	.1	2	2	80	10

10171000 JORDAN RIVER AT SALT LAKE CITY, UTAH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1670	1680	1620	1710		---	1540	1330	1090	932	1310	1810
2	1720	1710	1610	1690		---	1520	1330	994	885	1370	1790
3	1770	1660	1620	1690		---	1480	1230	904	800	1420	1700
4	1710	1680	1610	1660		---	1480	1130	959	781	1450	1600
5	1710	1660	1480	1630		---	1490	1150	975	776	1410	1590
6	1710	1660	1530	1640		---	1480	1210	946	785	1420	---
7	1670	1660	1530	1840		---	1510	1100	911	787	1420	---
8	1700	1660	1560	2000		---	1510	1210	850	732	1510	1480
9	1680	1650	1680	1920		---	1480	---	897	713	1480	1420
10	1680	1650	1830	1920		---	1450	1370	983	764	1480	1180
11	1670	1650	1890	1900		---	1430	1250	1080	782	1620	1210
12	1660	1650	1860	1900		1560	1480	1260	1070	853	1680	1600
13	1650	1650	1880	1880		1520	1480	1440	1010	798	1350	1630
14	1660	1630	1920	1870		1490	1670	1410	912	804	1480	1600
15	1710	1640	1900	1860		1530	1660	1300	654	680	1510	1540
16	1780	1620	1850	1860		1470	1500	1210	679	726	1530	1470
17	1790	1640	1870	1870		1540	1620	1240	654	759	1520	1320
18	1750	1630	1890	1900		1570	1630	1170	707	804	1550	941
19	1760	1630	1830	1900		1540	1620	1060	770	877	1650	970
20	1740	1640	1800	1840		1470	1600	938	818	912	1800	998
21	1620	1650	1780	1820		1450	1600	1060	907	919	1790	1150
22	1720	1500	1760	1820		1310	1560	1110	991	951	1720	1210
23	1680	1550	1800	1790		1520	1510	1170	996	1090	1790	1040
24	1500	1650	1780	1770		1560	1460	1260	1150	1150	1870	1050
25	1700	1660	1780	1640		1500	1320	1190	1170	1250	1840	1200
26	1690	1640	1770	1680		1400	1340	1180	1210	1320	1840	---
27	1670	1660	1740	1710		1720	1360	1190	1240	1320	1810	---
28	1710	1650	1720	1730		1610	1350	1200	1140	1340	1820	---
29	1670	1650	1680	---		1560	1310	1200	1020	1360	1810	---
30	1670	1640	1700	---		1530	1330	1210	959	1300	1720	---
31	1520	---	1670	---		1540	---	1190	---	1300	1770	---
MONTH	1690	1640	1740	1800	---	---	1490	1210	955	944	1600	---

TEMPERATURE (°C) OF WATER, APRIL TO SEPTEMBER 1975

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible]

JORDAN RIVER BASIN

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10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UTAH
(Hydrologic bench-mark and radiochemical station)

LOCATION.--Lat 40°46'48", long 111°48'19", in NW¼SW¼NE¼ sec.35, T.1 N., R.1 E., Salt Lake County, at gaging station 0.3 mi (0.5 km) upstream from spillway of Red Butte Reservoir, 1.5 mi (2.4 km) northeast of Fort Douglas, and 5 mi (8 km) northeast of Salt Lake City.

DRAINAGE AREA.--7.25 mi² (18.8 km²).

PERIOD OF RECORD.--Chemical analyses: April 1964 to September 1966, August 1967 to current year.

Water temperatures: April 1964 to current year.

Sediment records: November 1969 to current year (partial-record station).

EXTREMES.--Current year:

Water temperatures: Maximum, 15.5°C on several days during August and September; minimum, freezing point on many days during December to March, and May.

Period of record:

Water temperatures: Maximum (1964-66, 1967 to current year), 24.0°C July 29, 31, Aug. 1, 3, 4, 1969;

minimum (1964-71, 1974 to current year), freezing point on many days during winter period of most years.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 17...	1230	6.5	2.6	13	94	28	14	1.5	307	0	92	14
NOV. 13...	1000	3.0	2.5	11	85	29	14	.9	291	0	94	14
DEC. 11...	1115	.2	2.1	11	93	27	12	1.1	294	0	99	14
JAN. 15...	1130	.0	2.2	11	96	27	13	1.2	298	0	99	14
FEB. 12...	1100	.0	2.3	10	94	26	13	.8	293	0	110	13
MAR. 12...	0945	1.0	4.0	10	89	27	13	1.5	272	0	110	15
APR. 16...	1250	2.5	7.0	9.3	63	20	11	1.1	236	0	65	10
MAY 14...	1230	10.0	30	9.8	60	16	9.8	1.6	216	0	41	11
19...	1100	8.0	56	8.9	59	14	9.8	2.0	219	0	40	11
JUNE 11...	0930	6.0	20	10	74	21	10	.9	282	0	50	9.4
JULY 16...	1330	12.0	6.6	11	78	25	13	.9	263	1	72	12
AUG. 13...	1300	11.5	4.1	11	81	24	12	1.0	262	0	74	13
SEP. 09...	1100	10.5	3.1	11	82	26	13	1.0	272	0	81	13

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO ₄) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 17...	.1	.03	.09	40	408	.55	2.86	350	98	.3	650	8.5
NOV. 13...	.1	.00	.03	40	392	.53	2.65	330	93	.3	650	8.2
DEC. 11...	.1	.04	.21	30	403	.55	2.29	340	100	.3	640	8.2
JAN. 15...	.1	.07	.15	20	409	.56	2.43	350	110	.3	660	8.3
FEB. 12...	.1	.02	.09	30	412	.56	2.56	340	100	.3	640	8.3
MAR. 12...	.4	1.1	.12	30	405	.55	3.94	330	110	.3	620	8.1
APR. 16...	.1	.07	.06	30	296	.40	5.75	240	46	.3	470	8.3
MAY 14...	.1	.04	.18	40	256	.35	27.0	220	39	.3	440	8.6
19...	.2	.08	.06	60	253	.34	38.7	210	25	.3	390	8.6
JUNE 11...	.1	.02	.09	30	315	.43	16.2	270	40	.3	500	8.3
JULY 16...	.2	--	--	--	343	.46	6.59	300	79	.3	560	8.5
AUG. 13...	.2	--	--	--	345	.47	3.70	300	86	.3	570	8.6
SEP. 09...	.1	--	--	--	361	.50	3.05	310	89	.3	570	8.2

JORDAN RIVER BASIN

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT.				
17...	1030	10	8	84
NOV.				
13...	1000	60	1	19
DEC.				
11...	1115	29	--	21
JAN.				
15...	1130	6	--	10
FEB.				
14...	1100	1	--	2
APR.				
16...	1250	21	10	--
JUNE				
11...	0930	25	5	3
JULY				
16...	1330	80	29	140
AUG.				
13...	1300	96	26	160
SEP.				
09...	1100	32	5	230

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)
OCT.										
25...	1630	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	TOTAL CHLOR- DANE (UG/L)	TOTAL PCB (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL SILVEX (UG/L)	TOTAL 2,4,5-T (UG/L)
OCT.									
25...	.0	.0	.00	.00	.00	.00	.00	.00	.00

DATE	TIME	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
OCT.							
17...	1230	--	20	--	30	--	--
NOV.							
13...	1000	--	20	--	70	--	--
DEC.							
11...	1115	--	10	--	20	--	--
JAN.							
15...	1130	--	20	--	30	--	--
FEB.							
12...	1100	--	20	--	40	--	--
MAR.							
12...	0945	--	30	--	10	--	--
APR.							
16...	1250	--	10	--	0	--	--
MAY							
14...	1230	--	50	--	30	--	--
19...	1100	--	50	--	20	--	--
JUNE							
11...	0930	770	20	40	0	0	<10
SEP.							
09...	1100	170	--	40	--	3	<10

JORDAN RIVER BASIN

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10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT.						
17...	--	--	--	--	--	--
NOV.						
13...	--	--	--	--	--	--
DEC.						
11...	--	--	--	--	--	--
JAN.						
15...	--	--	--	--	--	--
FEB.						
12...	--	--	--	--	--	--
MAR.						
12...	--	--	--	--	--	--
APR.						
16...	--	--	--	--	--	--
MAY						
14...	--	--	--	--	--	--
19...	--	--	--	--	--	--
JUNE						
11...	0	<10	<100	.1	2	0
SEP.						
09...	10	<10	<100	.0	0	10

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.0	8.5	7.5	6.5	2.5	0.5	0.5	0.0	1.0	0.5	6.0	1.5
2	12.0	9.0	8.0	6.5	2.5	0.0	0.5	0.0	1.0	0.5	6.5	2.0
3	11.0	10.0	8.0	6.5	3.5	1.0	0.5	0.0	2.0	1.0	5.5	1.5
4	10.5	9.5	7.0	5.5	5.0	3.0	0.5	0.0	2.5	0.5	4.5	1.0
5	11.0	8.5	6.0	4.5	4.5	2.5	0.5	0.5	2.0	0.5	4.5	1.5
6	10.0	7.0	6.0	4.5	3.5	2.0	0.5	0.5	1.0	0.0	3.5	1.0
7	10.5	7.0	6.0	4.0	3.0	0.5	1.0	0.5	2.0	1.0	5.5	2.5
8	11.0	8.0	6.5	4.0	2.5	0.0	1.0	0.5	3.0	1.0	6.0	2.5
9	12.0	9.5	7.0	4.5	2.0	0.0	0.5	0.5	2.5	1.0	5.5	2.5
10	11.0	9.0	5.0	3.0	1.5	0.0	0.5	0.5	2.5	1.0	5.0	1.0
11	10.0	8.5	5.0	2.0	1.5	0.0	0.5	0.5	4.0	1.0	4.0	1.5
12	10.5	8.0	5.5	2.5	2.0	0.5	0.5	0.5	3.5	1.0	5.5	1.0
13	10.5	7.5	6.5	3.0	2.0	0.0	0.5	0.5	3.5	1.0	5.0	1.0
14	10.0	7.5	6.0	3.0	1.5	0.0	0.5	0.5	4.0	0.5	5.0	2.5
15	10.0	7.5	6.5	4.0	1.0	0.0	1.0	0.5	3.0	0.5	6.0	1.0
16	10.5	7.0	5.5	3.0	1.5	0.5	1.0	0.5	3.0	0.5	3.0	0.5
17	10.5	8.0	5.5	2.5	1.0	0.0	1.5	1.0	2.0	0.0	5.0	0.5
18	10.5	8.0	5.0	3.5	1.0	0.0	2.0	1.0	1.0	0.0	7.0	2.5
19	11.0	8.5	5.5	3.5	2.0	1.0	2.0	1.0	1.5	0.0	8.5	3.5
20	11.0	9.0	5.0	2.0	1.0	0.5	2.0	0.5	1.0	0.0	6.5	3.5
21	10.5	8.5	6.0	3.0	2.0	0.5	2.0	0.5	0.5	0.0	5.5	2.0
22	9.0	7.0	6.0	4.5	1.0	0.0	1.0	0.5	0.0	0.0	3.5	0.0
23	10.5	8.5	4.5	1.5	0.5	0.0	1.0	0.5	1.0	0.0	2.5	0.0
24	10.5	9.0	4.0	1.5	0.5	0.0	2.5	1.0	1.0	0.0	4.0	0.5
25	10.5	9.0	4.5	2.5	0.5	0.0	3.0	1.0	2.0	0.0	3.5	0.5
26	10.5	8.5	4.5	1.5	0.5	0.0	3.0	1.5	2.5	0.0	3.5	0.0
27	10.5	8.5	3.5	1.0	0.5	0.0	1.5	0.5	2.0	0.5	2.5	0.0
28	9.5	8.5	3.5	1.0	0.5	0.5	1.0	0.5	3.5	1.0	3.0	0.0
29	9.0	8.5	2.5	1.0	0.5	0.0	1.0	0.5	---	---	4.0	0.0
30	8.5	7.5	2.5	0.5	0.5	0.0	0.5	0.5	---	---	5.5	1.0
31	7.5	6.0	---	---	0.5	0.0	1.0	0.5	---	---	4.0	2.0
MONTH	12.0	6.0	8.0	1.0	5.0	0.0	3.0	0.0	4.0	0.0	6.5	0.0

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UTAH--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	4.0	0.5	9.0	2.5	13.0	6.0	13.0	9.0	13.0	11.0	15.5	10.5
2	5.5	0.5	10.5	3.5	11.5	6.5	12.5	10.0	12.0	10.0	13.5	9.0
3	6.0	1.5	10.5	4.0	8.5	6.5	12.0	11.0	13.0	11.0	14.0	8.5
4	5.5	3.0	6.0	2.5	12.0	5.5	13.5	10.5	12.5	10.5	14.0	9.0
5	9.0	3.0	6.0	2.5	13.5	6.0	13.5	11.5	12.5	11.5	14.0	8.5
6	5.0	3.0	5.0	2.0	14.0	6.5	13.5	12.0	13.0	11.5	14.5	9.5
7	4.0	0.5	2.0	0.0	12.0	6.0	14.5	12.0	13.0	11.5	14.5	9.5
8	4.0	1.5	7.5	1.5	12.5	7.0	14.5	12.0	12.5	10.5	15.0	10.0
9	5.5	1.0	8.0	3.0	10.0	5.5	14.0	12.5	13.0	10.0	15.5	10.5
10	6.5	2.5	9.5	4.5	10.5	6.0	14.0	12.5	12.5	11.0	14.5	12.0
11	9.0	1.5	10.0	6.0	13.0	5.5	13.0	12.0	12.5	11.0	14.0	11.0
12	8.5	1.5	---	---	14.0	6.5	13.5	11.5	12.5	11.0	14.5	11.0
13	9.5	2.5	11.0	4.0	14.0	7.5	14.0	11.5	14.0	11.0	13.5	10.5
14	6.0	3.0	13.0	9.5	14.0	8.0	14.0	12.0	15.5	10.5	14.5	10.0
15	5.5	4.0	13.0	9.0	14.5	7.5	14.5	12.0	15.5	10.5	14.0	10.5
16	4.5	3.0	13.0	10.0	12.5	8.0	13.5	11.5	14.5	10.0	14.0	10.0
17	5.5	2.5	13.0	9.0	11.0	7.5	13.5	11.5	15.5	10.5	14.0	9.5
18	6.0	3.0	12.0	8.0	8.5	7.0	13.5	11.5	15.0	9.5	12.0	8.5
19	7.0	2.5	9.5	6.5	8.5	6.5	14.0	11.5	13.0	10.0	11.0	7.0
20	5.5	3.5	---	---	10.0	6.5	14.5	12.5	13.5	10.0	11.0	7.0
21	9.5	3.5	7.5	4.5	11.5	7.5	14.0	12.0	13.5	9.5	11.5	7.0
22	8.5	4.5	8.0	4.0	13.5	7.0	14.5	12.5	14.5	10.0	12.0	7.0
23	7.0	3.5	7.5	5.0	13.0	8.5	14.0	12.5	15.5	10.0	12.0	8.0
24	10.0	3.0	12.0	5.0	13.0	8.5	14.5	12.0	14.5	10.0	12.0	7.0
25	5.5	2.0	10.0	3.5	10.5	8.0	14.0	12.5	13.5	8.0	12.0	7.0
26	6.5	2.0	11.0	3.5	12.0	6.5	14.0	12.0	15.0	9.5	11.5	8.0
27	3.5	2.5	9.5	5.0	12.5	8.5	14.0	12.5	14.5	10.5	11.0	7.0
28	6.5	2.5	10.5	4.5	12.0	8.5	14.0	12.5	14.5	9.0	11.0	7.0
29	6.5	1.5	11.5	5.0	12.5	9.0	13.5	12.0	14.5	9.0	11.0	7.0
30	7.5	2.0	12.5	5.0	12.5	9.0	13.5	12.5	15.0	9.5	11.0	7.0
31	---	---	13.0	6.0	---	---	13.0	12.0	14.5	9.5	---	---
MONTH	10.0	0.5	13.0	0.0	14.5	5.5	14.5	9.0	15.5	8.0	15.5	7.0

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE D DIS- CHARGE (MG/L)	SUS- PENDE D SEDI- MENT DIS- CHARGE (T/DAY)
OCT.					
17...	1030	6.5	2.8	29	.22
NOV.					
13...	1330	3.0	2.6	6	.04
DEC.					
11...	1200	.0	2.0	3	.02
JAN.					
15...	1130	.0	2.2	9	.05
FEB.					
12...	1100	.0	2.3	78	.48
MAR.					
12...	0945	1.0	4.0	3	.03
APR.					
16...	1250	2.5	7.0	31	.60
24...	1530	--	11	57	1.7
24...	1550	--	11	44	1.3
24...	1610	--	11	64	1.9
MAY					
10...	1200	8.0	30	133	11
10...	1445	9.5	33	398	35
10...	1925	6.0	40	1060	114
11...	1900	6.5	43	893	104
14...	1230	10.0	30	142	18
17...	2145	7.0	58	1070	168
18...	2115	7.0	65	12300	2160
19...	1005	8.0	57	3370	519
21...	0830	4.5	39	1000	105
JUNE					
11...	0930	6.0	20	54	2.4
JULY					
16...	1330	12.0	6.6	86	1.7
AUG.					
13...	1300	11.5	4.1	94	1.0
SEP.					
09...	1100	10.5	3.1	31	.26

JORDAN RIVER BASIN

407

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UTAH--Continued
 PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDED SEDIM- ENT (MG/L)	SUS- PENDED SEDIM- ENT DIS- CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
APR.							
24...	1530	--	11	57	1.7	26	28
24...	1610	--	11	64	1.9	39	44
MAY							
10...	1445	9.5	33	398	35	27	31
10...	1925	6.0	40	1060	114	25	32
11...	1900	6.5	43	893	104	30	41
14...	1230	10.0	30	142	18	35	36
17...	2145	7.0	58	1070	108	16	23
18...	2115	7.0	65	12300	2100	23	33
19...	1005	8.0	57	3370	519	28	33
21...	0830	4.5	39	1000	100	15	18

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
APR.						
24...	--	82	98	100	--	--
24...	--	95	99	100	--	--
MAY						
10...	--	80	94	98	100	--
10...	44	86	75	81	94	100
11...	--	82	90	93	100	--
14...	46	92	97	98	100	--
17...	--	73	91	96	100	--
18...	64	93	98	99	99	100
19...	39	80	92	93	100	--
21...	--	60	83	95	98	100

JORDAN RIVER BASIN

10172600 JORDAN RIVER AT CUDAHY LANE, NEAR SALT LAKE CITY, UTAH

LOCATION.--Lat 40°50'31", long 111°57'01", in SE4SE4SE4 sec.4, T.1 N., R.1 W., Salt Lake County, at bridge and 6.3 mi (10.1 km) northwest of Salt Lake City.

DRAINAGE AREA.--3,490 mi² (9,039 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: January 1974 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)
OCT.											
10...	1000	14.5	210	25	.10	64	170	16	290	0	300
24...	1500	13.0	215	14	78	28	86	9.0	189	0	180
NOV.											
08...	1000	10.0	145	23	140	63	160	12	323	0	290
21...	1130	9.0	160	24	130	52	160	11	324	0	310
DEC.											
04...	1400	8.5	140	22	130	56	160	14	323	0	310
20...	0915	7.5	140	22	130	53	170	13	326	0	300
JAN.											
03...	1140	3.0	115	22	130	51	170	13	334	0	300
16...	0910	4.0	120	22	130	54	170	12	308	0	290
30...	0915	3.5	105	23	130	55	200	12	327	0	330
FEB.											
13...	0950	5.0	120	21	100	54	140	13	310	0	260
27...	0920	6.5	145	21	97	54	160	14	299	0	260
MAR.											
14...	1040	7.5	165	18	89	51	130	11	269	0	230
25...	1040	7.5	180	19	82	46	130	12	267	0	230
APR.											
10...	0940	7.2	155	19	93	53	140	15	288	0	240
25...	0915	9.5	220	15	85	36	93	7.6	259	0	150
MAY											
08...	1040	6.5	215	10	70	20	61	3.4	216	0	78
22...	0900	6.5	700	9.3	62	12	20	2.4	213	0	37
JUNE											
05...	1100	9.0	550	8.8	61	13	22	1.8	224	0	38
20...	0920	10.0	325	10	63	22	45	4.6	215	0	80
JULY											
02...	0930	14.0	365	12	66	27	58	5.7	203	0	110
17...	0910	11.0	255	14	72	26	73	6.8	216	0	150
31...	0900	19.0	235	14	76	34	88	9.5	201	0	180
AUG.											
14...	0945	19.0	180	22	100	50	150	15	300	0	260
27...	1015	18.4	118	23	100	58	150	15	290	0	260
SEP.											
10...	1900	19.5	190	24	100	56	160	16	290	0	270
25...	1330	16.2	210	24	100	54	160	15	283	0	300

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT.										
10...	240	3.0	1.2	1.5	.30	4.5	1.3	1120	1070	1.52
24...	120	1.6	.86	1.7	.84	3.3	.97	638	608	.87
NOV.										
08...	230	.00	2.3	3.3	1.0	3.3	1.5	1160	1080	1.58
21...	220	.00	1.9	2.5	.60	2.5	1.7	1120	1070	1.52
DEC.										
04...	220	.09	2.0	2.6	.60	2.7	1.8	1100	1070	1.50
20...	250	.08	2.6	3.0	.40	3.1	1.6	1140	1100	1.55
JAN.										
03...	240	2.8	3.2	3.9	.70	6.7	1.9	1140	1090	1.55
16...	260	2.3	3.1	4.3	1.2	6.6	1.6	1130	1090	1.54
30...	300	2.6	2.9	3.3	.40	5.9	1.5	1260	1210	1.71
FEB.										
13...	190	.00	1.5	2.3	.80	2.3	.73	978	931	1.33
27...	200	1.8	1.5	1.9	.40	3.7	.88	999	953	1.36
MAR.										
14...	170	1.4	1.2	1.9	.70	3.3	.95	865	832	1.18
25...	180	1.8	1.1	1.3	.20	3.1	.98	848	831	1.15
APR.										
10...	200	2.6	.73	1.4	.67	4.0	.50	925	902	1.26
25...	130	1.2	.52	1.4	.88	2.6	.80	685	644	.93
MAY										
08...	82	.74	.27	1.1	.83	1.8	.35	446	431	.61
22...	28	.35	.04	.69	.65	1.0	.45	293	276	.40
JUNE										
05...	32	.32	.22	2.3	2.1	2.6	.31	293	287	.40
20...	58	.66	.19	.72	.53	1.4	.13	408	389	.55
JULY										
02...	76	1.1	.22	.86	.64	2.0	.41	471	455	.64
17...	99	1.3	.03	.99	.96	2.3	.80	572	547	.78
31...	120	.69	.00	2.1	2.1	2.8	.82	619	621	.84
AUG.										
14...	190	2.2	.80	2.3	1.5	4.5	1.3	976	935	1.33
27...	210	2.5	.87	2.3	1.4	4.8	.91	1010	959	1.37
SEP.										
10...	210	2.0	.76	1.9	1.1	3.9	1.4	1020	979	1.39
25...	210	2.1	.2	2.2	1.0	4.3	1.5	1020	1000	1.39

JORDAN RIVER BASIN

10172600 JORDAN RIVER AT CUDAHY LANE, NEAR SALT LAKE CITY, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SONP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS- SOLVED OXYGEN (MG/L)
OCT.										
10...	635	540	300	3.2	1720	7.8	--	23	15	4.9
24...	370	310	160	2.1	900	7.6	--	36	4.6	5.8
NOV.										
08...	454	610	340	2.8	1690	7.8	8.2	18	6.0	6.8
21...	484	540	270	3.0	1700	7.8	8.2	16	7.2	7.3
DEC.										
04...	416	560	290	3.0	1730	7.7	10	25	7.2	7.4
20...	431	540	280	3.2	1770	7.7	10	19	6.3	11.0
JAN.										
03...	354	530	260	3.2	1750	7.4	21	22	7.1	8.7
16...	366	550	290	3.2	1770	7.8	7.8	46	5.6	8.2
30...	357	550	280	3.7	1900	7.6	13	16	5.2	9.4
FEB.										
13...	317	470	220	2.8	1540	7.7	9.9	27	8.8	9.4
27...	391	460	220	3.2	1530	7.7	9.5	22	10	8.2
MAR.										
14...	385	430	210	2.7	1360	7.6	11	30	11	7.5
25...	412	390	180	2.9	1330	7.6	11	30	11	7.3
APR.										
10...	387	450	210	2.9	1520	7.8	7.3	--	8.0	7.8
25...	407	360	150	2.1	1100	8.4	1.7	40	17	7.0
MAY										
08...	259	260	80	1.7	720	8.4	1.4	--	8.8	9.1
22...	554	200	30	.6	460	8.5	1.1	29	11	7.0
JUNE										
05...	435	210	22	.7	550	8.0	3.6	21	9.6	9.6
20...	358	250	72	1.2	660	8.0	3.4	19	5.6	8.4
JULY										
02...	464	280	110	1.5	780	7.8	5.1	19	11	7.2
17...	394	290	110	1.9	932	7.8	5.5	28	12	5.9
31...	393	330	170	2.1	1020	7.6	8.1	91	28	2.7
AUG.										
14...	474	460	210	3.1	1520	7.8	7.6	32	12	3.7
27...	322	490	250	3.0	1800	7.6	12	37	10	--
SEP.										
10...	523	480	240	3.2	1750	7.7	9.3	34	14	4.0
25...	578	470	240	3.2	1800	7.8	7.2	31	10	4.9

DATE	TIME	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
NOV.				
21...	1130	900	M0	--
DEC.				
04...	1400	660	36	--
20...	0915	380	12	--
JAN.				
03...	1140	200	20	--
16...	0910	400	30	--
30...	0915	1300	84	--
FEB.				
13...	0950	18000	1700	--
27...	0920	80	60	--
MAR.				
14...	1040	6700	37	--
25...	1040	1500	96	--
APR.				
10...	0940	0	40	--
25...	0915	7400	310	--
MAY				
08...	1040	4500	3200	--
22...	0900	1300	600	--
JUNE				
05...	1100	350	140	--
20...	0920	7200	1000	--
JULY				
02...	0930	32000	2900	--
17...	0910	32000	12000	--
31...	0900	190000	80000	--
AUG.				
14...	0945	25000	18000	--
27...	1030	--	133000	--
SEP.				
10...	--	33000	6000	--
25...	1300	19300	200	--

JORDAN RIVER BASIN

10172630 GOGGIN DRAIN NEAR MAGNA, UTAH

LOCATION.--Lat 40°49'00", long 112°06'00", in SW¼NW¼SW¼ sec.17, T.1 N., R.2 W., Salt Lake County, about 7 mi (11 km) downstream from Surplus Canal wasteway, 3.3 mi (5.3 km) north of Saltair, and 7.2 mi (11.6 km) north of Magna.

PERIOD OF RECORD.--Chemical analyses: February 1972 to current year.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 29...	1030	12.0	12	13	130	50	810	47	340	21	510	1100
NOV. 22...	1050	6.0	13	16	110	78	710	44	370	--	470	970
DEC. 19...	1100	4.5	18	21	120	80	560	33	373	--	470	790
JAN. 23...	1410	5.5	2.4	21	120	77	630	32	330	14	480	920
FEB. 18...	1120	6.0	18	22	94	64	210	18	311	0	300	290
MAR. 19...	1625	10.5	310	20	87	59	160	14	274	0	310	220
APR. 24...	1225	12.5	350	20	91	55	180	17	269	0	280	240
MAY 27...	1055	14.0	263	15	81	45	160	12	239	0	230	220
JUNE 24...	1000	16.0	743	15	71	39	110	11	215	0	190	140
AUG. 18...	1330	20.0	157	24	100	57	180	18	277	0	310	250
SEP. 09...	0945	17.5	11	19	110	81	590	35	367	52	470	790
30...	1420	17.0	19	23	110	73	320	25	321	8	400	450

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 29...	.6	1.3	2.6	960	2860	3.89	97.3	530	220	15	4900	--
NOV. 22...	.7	1.4	2.8	10	2590	3.52	90.9	600	290	13	--	--
DEC. 19...	1.0	1.9	4.0	680	2270	3.09	110	630	320	9.7	4080	--
JAN. 23...	.6	1.8	5.2	1400	2470	3.36	16.0	620	320	11	--	--
FEB. 18...	.6	1.8	2.3	360	1160	1.58	56.4	500	250	4.1	2100	8.1
MAR. 19...	.5	1.7	1.7	310	1020	1.39	854	460	240	3.2	1700	8.2
APR. 24...	.6	1.8	2.1	350	1030	1.40	973	450	230	3.7	1570	8.0
MAY 27...	.4	1.8	2.9	280	892	1.21	633	390	190	3.5	1450	7.5
JUNE 24...	.5	1.6	1.3	220	691	.94	1390	340	160	2.6	1200	8.1
AUG. 18...	.7	2.0	2.7	380	1090	1.48	462	480	260	3.6	1700	7.9
SEP. 09...	.7	--	1.7	880	2330	3.17	73.0	610	220	10	3590	8.8
30...	1.1	--	1.6	670	1570	2.14	80.5	580	300	5.8	2500	8.5

JORDAN RIVER BASIN

411

10172640 LEE CREEK NEAR MAGNA, UTAH

LOCATION.--Lat 40°46'50", long 112°08'19", in SW¼NW¼NW¼ sec.36, T.1 N., R.3 W., Salt Lake County, on right bank on upstream side of wooden bridge, and 5 mi (8 km) northwest of Magna.

PERIOD OF RECORD.--Chemical analyses: January 1972 to current year.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 29...	1135	11.0	2.2	4.3	260	14000	76000	8900	1190	--	29000	140000
NOV. 22...	0955	6.0	8.8	1.7	140	2500	14000	1700	188	53	7700	35000
DEC. 14...	1400	3.5	1.8	11	430	4300	43000	2400	415	--	7500	70000
JAN. 23...	1530	6.0	8.8	3.3	420	7100	67000	4800	621	--	9600	120000
FEB. 18...	1120	.5	1.0	5.6	310	3600	36000	2100	473	0	6500	65000
MAR. 19...	1355	15.0	1.7	5.9	330	4900	35000	2800	446	0	9700	85000
APR. 28...	1110	6.0	3.9	7.6	280	1900	27000	1100	294	0	4500	45000
MAY 27...	1555	19.0	2.2	6.5	830	1200	26000	1200	294	27	5900	42000
JUNE 24...	1205	17.5	3.7	4.0	150	740	8000	460	286	11	2000	14000
JULY 28...	1510	30.0	1.1	6.8	230	3200	24000	2000	255	63	6600	42000
AUG. 29...	1330	23.0	2.8	7.8	150	2800	12000	1800	377	25	5900	24000
SEPT. 30...	1240	17.0	1.2	9.9	320	7300	37000	4300	694	0	14000	77000

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO ₄) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 29...	.0	.26	5.2	56000	269000	366	1610	58000	57000	137	--	--
NOV. 22...	.3	.45	1.4	110	61200	83.2	1450	11000	10000	59	--	--
DEC. 19...	.3	.24	2.3	13000	128000	174	622	19000	18000	137	--	--
JAN. 23...	.2	.20	2.5	27000	209000	284	4970	30000	30000	168	--	--
FEB. 18...	.4	.14	.83	13000	114000	155	308	16000	15000	125	--	8.8
MAR. 19...	3.8	.22	2.4	6000	138000	188	633	21000	21000	105	--	7.7
APR. 28...	.4	.32	1.3	6900	79900	109	841	8500	8300	127	--	8.0
MAY 27...	.4	.08	1.1	7300	77300	105	476	7000	6700	135	--	8.4
JUNE 24...	.8	.04	.28	3000	25500	34.7	259	3400	3200	60	48000	8.8
JULY 28...	.5	.04	.67	9800	78300	106	247	14000	13000	89	--	8.4
AUG. 29...	.7	.07	1.1	11000	46900	63.8	362	12000	12000	48	65000	8.4
SEPT. 30...	.2	--	2.0	24000	140000	190	469	31000	30000	92	--	8.2

JORDAN RIVER BASIN

10172650 KENNECOTT DRAIN NEAR MAGNA, UTAH

LOCATION.--Lat 40°45'28", long 112°10'14", in SW¼NE¼SW¼ sec.3, T.1 S., R.3 W., Salt Lake County, on left bank about 300 ft (91 m) downstream from culvert on U.S. Highway 40, and 4.5 mi (7.2 km) northwest of Magna.

PERIOD OF RECORD.--Chemical analyses: January 1972 to current year.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 29...	1235	14.0	132	38	180	38	660	46	163	--	570	980
NOV. 22...	0900	9.0	107	25	220	92	910	58	181	--	610	1500
DEC. 20...	1020	5.0	107	35	270	89	880	50	95	--	710	1500
JAN. 24...	1040	6.0	100	32	300	91	990	54	92	--	850	1700
FEB. 14...	1355	5.5	89	44	220	86	650	40	103	0	730	1100
MAR. 19...	1125	10.5	114	36	190	98	710	52	124	0	610	1100
APR. 28...	0930	9.5	114	39	220	93	760	52	133	0	610	1300
MAY 27...	1410	17.0	68	43	210	98	800	26	132	0	620	1300
JUNE 24...	1335	21.0	42	48	220	92	900	57	99	0	660	1400
JULY 28...	1305	25.0	109	26	150	78	660	53	231	0	450	1100
AUG. 29...	1205	21.0	90	47	250	100	760	47	106	0	760	1200
SEP. 30...	1045	16.0	85	40	220	97	770	50	197	0	660	1300

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 29...	24	.88	17	540	2640	3.59	941	610	470	12	--	--
NOV. 22...	9.4	1.5	9.2	470	3530	4.80	1020	930	780	13	6400	--
DEC. 20...	15	1.6	31	400	3640	4.95	1050	1000	960	12	6350	--
JAN. 24...	25	1.9	37	440	4130	5.62	1120	1100	1000	13	7100	--
FEB. 14...	2.0	1.5	9.2	380	2940	4.00	712	900	820	9.4	5100	6.5
MAR. 19...	5.8	1.3	43	440	2910	3.96	896	880	780	10	4900	6.3
APR. 28...	39	1.3	34	500	3220	4.38	991	930	820	11	--	6.6
MAY 27...	41	1.5	52	460	3260	4.43	599	930	820	11	5700	5.8
JUNE 24...	46	1.2	61	460	3540	4.81	408	930	850	13	6000	6.5
JULY 28...	2.8	.62	6.1	460	2640	3.59	777	700	510	11	4500	7.7
AUG. 29...	52	1.5	55	500	3330	4.53	813	1000	950	10	--	6.2
SEP. 30...	27	--	21	520	3280	4.46	756	950	790	11	--	6.8

TRIBUTARIES BETWEEN GREAT SALT LAKE DESERT AND BEAR RIVER

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10172965 BAR M SPRING AT LOCOMOTIVE SPRINGS, NEAR SNOWVILLE, UTAH

LOCATION.--Lat 41°42'22", long 112°55'32", in SE¼ sec.1, T.11 N., R.10 W., Box Elder County, at Locomotive Springs State Waterfowl Management Area on the north end of Great Salt Lake and 20 mi (32 km) southwest of Snowville.

PERIOD OF RECORD.--Chemical analyses: February 1969 to current year.

REMARKS.--Samples collected at north end of spring pond.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
AUG. 24...	1150	15.5	9.7	36	120	71	950	39	172	0	130	1700

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
AUG. 24...	--	--	--	--	3130	590	450	17	--	7.8

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 26...	1200	16.5	9.2	36	110	70	930	48	211	0	120	1700
JAN. 09...	1240	16.5	9.5	37	120	70	910	40	207	0	120	1700
APR. 04...	1125	16.0	9.6	35	140	72	920	43	209	0	100	1700
JULY 15...	1145	16.5	8.8	36	120	84	900	43	209	0	130	1700

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 26...	--	--	--	--	3120	4.24	84.2	560	390	17	5820	7.5
JAN. 09...	.4	.40	.18	230	3100	4.22	126	590	420	16	5990	7.7
APR. 04...	.4	.46	.15	240	3120	4.24	126	650	470	16	5720	7.6
JULY 15...	.3	.40	.15	250	3120	4.24	126	650	470	15	5980	7.6

TRIBUTARIES BETWEEN GREAT SALT LAKE DESRT AND BEAR RIVER

10172965 BAR M SPRING AT LOCOMOTIVE SPRINGS, NEAR SNOWVILLE, UTAH--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (NA) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 07...	1310	16.5	8.2	37	120	66	900	39	208	--	120	1600
JAN. 07...	1350	16.5	8.6	37	120	69	920	43	210	--	130	1700
MAR. 25...	1530	16.5	9.5	33	120	73	910	42	211	--	130	1700
MAY 30...	1100	16.5	9.1	34	120	69	900	41	210	--	120	1700
SEP. 25...	1330	16.5	8.6	35	120	69	940	42	205	0	130	1700

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 07...	.3	.39	.09	320	2990	4.07	121	570	400	16	5750	--
JAN. 07...	.2	.49	.21	250	3130	4.26	127	580	410	17	5990	--
MAR. 25...	.6	.71	.28	270	3120	4.24	126	600	430	16	5750	--
MAY 30...	.3	.39	.18	230	3090	4.20	76.3	580	410	16	5840	--
SEP. 25...	.3	--	.00	240	3140	4.27	72.9	580	420	17	--	7.6

TRIBUTARIES BETWEEN GREAT SALT LAKE DESERT AND BEAR RIVER

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10172967 OFF SPRING AT LOCOMOTIVE SPRINGS, NEAR SNOWVILLE, UTAH

LOCATION.--Lat 41°42'12", long 112°54'40", in SW¼ sec.6, T.11 N., R.9 W., Box Elder County, at Locomotive Springs State Waterfowl Management Area on the north end of Great Salt Lake and 20 mi (32 km) southwest of Snowville.

PERIOD OF RECORD.--Chemical analyses: February 1969 to current year.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
AUG. 24...	1030	15.0	1.1	35	110	69	910	41	171	0	140	1700
DATE	TIME	TEMPER- ATURE (DEG C)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHOPHOS- PHATE (PO4) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	
AUG. 24...		--	--	--	--	3090	560	420	17	6030	7.9	

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 26...	1100	14.5	1.1	36	110	69	1000	49	211	0	130	1800
JAN. 09...	1220	14.0	1.2	37	110	70	1000	44	210	0	130	1800
APR. 04...	1055	15.5	1.4	35	110	72	970	45	207	0	100	1800
JULY 15...	1020	15.5	1.1	36	120	71	990	43	213	0	140	1800
DATE	TIME	TEMPER- ATURE (DEG C)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHOPHOS- PHATE (PO4) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	
OCT. 26...		--	--	--	--	3300	560	390	18	6300	7.7	
JAN. 09...		.3	.34	.21	440	3300	560	390	18	5990	7.9	
APR. 04...		.5	.52	.15	260	3240	570	400	18	5950	7.8	
JULY 15...		.3	1.3	.15	280	3310	590	420	18	6200	7.6	

TRIBUTARIES BETWEEN GREAT SALT LAKE DESERT AND BEAR RIVER
10172967 OFF SPRING AT LOCOMOTIVE SPRINGS, NEAR SNOWVILLE, UTAH--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 07...	1300	16.0	1.1	36	110	65	960	44	209	--	130	1700
JAN. 07...	1330	15.0	1.1	36	120	64	1000	47	206	--	140	1800
MAR. 25...	1600	14.5	1.3	33	110	74	1000	43	210	--	130	1800
MAY 30...	1035	16.5	1.9	30	110	69	1000	45	214	--	130	1700
SEP. 25...	1300	16.5	1.2	19	120	66	1000	46	206	0	140	1800

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (P04) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 07...	.3	.28	.06	150	3150	540	370	18	--	--
JAN. 07...	.3	.44	.21	250	3310	560	390	18	6200	--
MAR. 25...	.5	.68	.25	270	3300	580	410	18	6100	--
MAY 30...	.4	.11	.15	270	3190	560	380	18	6000	--
SEP. 25...	.1	--	.12	240	3290	570	400	18	--	7.8

TRIBUTARIES BETWEEN GREAT SALT LAKE DESERT AND BEAR RIVER

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10172968 SPARKS SPRING AT LOCOMOTIVE SPRINGS, NEAR SNOWVILLE, UTAH

LOCATION.--Lat 41°41'50", long 112°53'32", in NE¼ sec.8, T.11 N., R.9 W., Box Elder County, at Locomotive Springs State Waterfowl Management Area on the north end of Great Salt Lake and 20 mi (32 km) southwest of Snowville.

PERIOD OF RECORD.--Chemical analyses: September 1969 to current year.

REMARKS.--Samples collected at north end of spring pond.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
AUG. 24...	1000	14.5	1.1	35	100	72	1200	60	183	0	160	2000
DATE		DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	
AUG. 24...	--	--	--	--	--	3720	550	400	22	6760	8.0	

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 26...	1000	11.0	1.0	35	100	69	1200	69	221	0	150	2000
JAN. 09...	1200	9.0	1.2	36	100	71	1200	59	221	0	140	2000
APR. 04...	1030	12.5	1.2	34	100	72	1200	64	220	0	150	2000
JULY 15...	0930	16.0	1.2	37	110	87	1100	57	224	0	150	2000
DATE		DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	
OCT. 26...	--	--	--	--	--	3730	530	350	23	6910	7.7	
JAN. 09...	.5	.32	.21	330	3720	540	360	22	6910	7.9		
APR. 04...	.6	.34	.15	340	3730	550	370	22	--	8.0		
JULY 15...	.5	.25	.15	370	3650	630	450	19	7000	7.9		

TRIBUTARIES BETWEEN GREAT SALT LAKE DESERT AND BEAR RIVER

10172968 SPARKS SPRING AT LOCOMOTIVE SPRINGS, NEAR SNOWVILLE, UTAH--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 07...	1200	14.0	1.3	38	100	67	1100	62	218	1	140	1900
JAN. 07...	1240	--	1.3	37	110	68	1200	63	221	--	150	2100
MAR. 25...	1610	12.5	1.8	31	100	72	1100	60	218	--	160	1900
MAY 30...	0950	15.0	1.8	31	110	65	1100	63	222	--	150	1900
SEP. 25...	1200	16.0	1.2	35	81	69	1200	60	213	0	160	2000

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO ₄) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 07...	.5	.38	.15	150	3520	4.79	9.50	530	350	21	--	--
JAN. 07...	.4	.43	.25	350	3840	5.22	10.4	550	370	22	7000	--
MAR. 25...	.6	.41	.25	370	3530	4.80	19.1	550	370	20	6750	--
MAY 30...	.5	.22	.18	360	3530	4.80	17.3	540	360	21	6800	--
SEP. 25...	.4	--	.00	380	3710	5.05	12.0	490	310	24	--	8.1

SEVIER LAKE BASIN

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10191500 SEVIER RIVER BELOW PIUTE DAM, NEAR MARYSVALE, UTAH

LOCATION.--Lat 38°19'55", long 112°11'11", in NW¼NW¼SE¼ sec.34, T.28 S., R.3 W., Piute County, at gaging station 0.8 mi (1.3 km) downstream from Piute Dam, and 8 mi (13 km) south of Marysvale.

DRAINAGE AREA.--2,440 mi² (6,320 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: March 1958 to September 1959, February 1961 to current year.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
NOV. 25...	1100	4.0	65	32	48	21	33	4.6	278	0	39	13
JAN. 27...	1115	1.0	3.8	34	52	21	30	3.7	294	0	31	13
FEB. 24...	1145	.5	3.8	31	47	23	30	3.9	296	0	33	12
MAR. 17...	1215	2.5	4.0	26	49	20	27	3.4	273	0	27	12
APR. 18...	1315	7.0	4.6	25	45	20	29	3.4	262	0	27	12
MAY 22...	1100	11.0	263	24	47	22	29	4.4	253	0	35	12
JUNE 18...	1000	16.0	222	24	42	22	27	3.6	248	0	30	11
JULY 23...	1530	18.0	502	24	46	22	28	5.2	259	0	27	12
AUG. 29...	1230	17.5	415	22	46	21	32	5.0	265	0	32	13

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO ₄) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
NOV. 25...	.3	.18	.00	100	329	.45	57.7	210	0	1.0	505	7.8
JAN. 27...	.3	.31	.12	80	332	.45	3.41	220	0	.9	440	8.3
FEB. 24...	.3	.79	.15	90	330	.45	3.39	210	0	.9	440	8.4
MAR. 17...	.6	.23	.15	60	301	.41	3.28	200	0	.8	485	8.4
APR. 18...	.3	.15	.18	70	292	.40	3.63	190	0	.9	480	8.1
MAY 22...	.3	.02	.12	30	299	.41	212	210	0	.9	360	8.2
JUNE 18...	.3	.01	.00	70	282	.38	169	200	0	.8	435	8.2
JULY 23...	.3	.93	.00	50	296	.40	401	210	0	.9	510	8.4
AUG. 29...	.3	.26	.18	90	303	.41	340	200	0	1.0	460	7.9

SEVIER LAKE BASIN

10224000 SEVIER RIVER NEAR LYNNNDYL, UTAH
(National stream-quality accounting network station)

LOCATION.--Lat 39°30', long 112°24', in SE¼ sec.23, T.15 S., R.5 W., Millard County, at bridge on county road, 1.5 mi (2.4 km) upstream from gaging station, and about 2 mi (3 km) south of Lynndyl.

DRAINAGE AREA.--6,270 mi² (16,240 km²), approximately (at gaging station).

PERIOD OF RECORD.--Chemical analyses: March 1951 to current year.

Water temperatures: March 1951 to current year.

EXTREMES.--Current year:

Specific conductance: Maximum **observed**, 5,120 micromhos Mar. 21; minimum daily, 1,340 micromhos Apr. 30

Water temperatures: Maximum, 25.0°C June 1; minimum, freezing point Dec. 25, Feb. 27.

Period of record:

Specific conductance: Maximum daily, 8,300 micromhos Dec. 27, 1962; minimum daily, 431 micromhos Feb. 4, 1962.

Water temperatures: Maximum, 29.0°C July 21-23, 1956, Aug. 9, 10, 1963, Aug. 1, 1969; minimum, freezing point on many days during winter period in 1972 and 1973, Dec. 25, 1974, Feb. 27, 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)
OCT.									
09...	1100	15.5	49	14	78	71	210	6.1	294
NOV.									
05...	1030	6.0	57	15	75	80	220	6.3	304
DEC.									
03...	1145	1.0	61	16	82	75	200	5.3	320
JAN.									
06-07	--	--	50	22	110	130	380	6.7	328
08...	1030	.0	50	17	83	74	190	5.0	331
FEB.									
04...	1030	.0	62	16	85	74	190	5.1	322
MAR.									
05...	1130	5.0	11	20	140	170	700	12	440
APR.									
09...	1245	6.0	9.9	20	140	170	760	15	445
MAY									
07...	1315	8.5	769	20	72	62	270	6.8	313
JUNE									
03...	1245	18.0	419	19	66	73	270	7.9	329
JULY									
07...	1330	22.0	520	18	63	70	280	7.3	340
AUG.									
06...	1215	21.0	402	17	60	76	250	7.8	327
SEP.									
05...	1230	17.0	186	19	58	79	290	6.9	275

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT.								
09...	1100	1.58	153	490	250	4.1	--	8.3
NOV.								
05...	1140	1.67	175	520	270	4.2	1860	8.3
DEC.								
03...	1090	1.52	184	510	250	3.8	1770	8.2
JAN.								
06-07	1900	2.58	--	810	540	5.8	3240	--
08...	1070	1.47	144	510	240	3.7	1680	8.0
FEB.								
04...	1100	1.54	184	520	260	3.6	1800	8.3
MAR.								
05...	3050	4.30	97.3	1100	690	9.4	4570	8.2
APR.								
09...	3230	4.49	86	1100	680	10	5120	8.1
MAY								
07...	1210	1.81	2510	440	180	5.6	2070	8.8
JUNE								
03...	1260	1.77	1430	470	200	5.4	2080	8.3
JULY								
09...	1280	1.74	1800	450	170	5.8	2000	8.4
AUG.								
06...	1220	1.70	1320	460	190	5.1	2060	8.4
SEP.								
05...	1300	1.81	668	470	230	5.8	2100	8.4

10224000 SEVIER RIVER NEAR LYNN DYLL, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
OCT. 09...	0	270	310	.4	.18	.46	.64	.04	1160
NOV. 05...	0	270	320	.3	.35	.25	.60	.03	1230
DEC. 03...	0	260	290	.3	.48	.36	.84	.05	1120
JAN. 06-07	--	520	560	.3	--	--	--	--	--
FEB. 08...	0	240	300	.2	.93	.21	1.1	.01	1080
MAR. 04...	0	270	300	.2	.58	.31	.89	.03	1130
APR. 05...	0	860	930	.5	.41	.65	1.1	.03	3160
MAY 04...	0	900	1000	.6	.51	.53	1.0	.02	3300
JUNE 07...	0	290	330	.4	.62	.70	1.3	.20	1330
JULY 03...	0	330	330	.4	.45	.87	1.3	.18	1300
AUG. 09...	1	340	330	.4	.51	.81	1.3	.08	1280
SEP. 06...	3	310	330	.5	.30	.52	.82	.12	1250
SEP. 05...	7	350	350	.4	.23	.57	.80	.07	1330

DATE	TIME	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT. 09...	1230	--	180	240
NOV. 05...	1030	--	20	93
DEC. 03...	1145	--	1	140
JAN. 08...	1030	--	2	68
FEB. 04...	1030	--	--	14
MAR. 05...	1130	--	0	100
APR. 09...	1245	--	0	180
MAY 07...	1315	--	52	230
JUNE 03...	1245	--	680	560
JULY 09...	1330	--	140	400
AUG. 06...	1215	--	135	100
SEP. 05...	1230	--	84	180

DATE	TIME	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)
OCT. 09...	1100	530	40	30	30	7	6	<10	0	0	0	<50
JAN. 08...	1030	270	40	30	0	4	4	10	0	0	0	50
APR. 09...	1245	210	10	150	130	8	6	10	0	0	0	<50
JULY 09...	1330	2800	20	90	0	8	7	<10	0	10	0	<50

DATE	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 09...	0	<10	2	<100	0	.5	.0	1	0	10	10
JAN. 08...	0	40	0	<100	2	.0	.0	0	1	40	20
APR. 09...	0	10	0	100	0	.0	.0	1	1	40	30
JULY 09...	0	50	1	<100	3	.1	.1	1	1	70	0

SEVIER LAKE BASIN

10224000 SEVIER RIVER NEAR LYNNDYL, UTAH--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2150	1820	1910	1960	2230	4580	4700	2150	3050	2000	1910	2000
2	2080	1830	2010	1940	2080	4600	4500	2150	2150	2100	1990	2000
3	2100	1880	1770	1920	1890	4700	3850	2140	2100	2060	1950	2020
4	2070	1950	1830	1970	1890	4180	3970	2220	2100	2000	2000	2000
5	2070	1990	1910	1890	1820	4490	4000	2190	2170	2060	1980	2100
6	2040	2000	1910	3300	1850	4780	3850	2090	2160	2100	2010	2000
7	2080	2060	1880	3180	1850	4600	3850	2140	2200	2030	2010	2000
8	2100	2070	1900	1830	1890	4580	4000	2140	2210	2100	2000	2080
9	1900	2040	1890	2050	1790	4760	4050	2210	2200	2100	1980	2080
10	1930	1980	1970	1840	1850	4820	4040	2140	2270	2130	1970	2020
11	1950	1920	2160	1910	1650	4760	4080	2130	2190	2100	1940	2050
12	1950	2000	1980	1870	1730	4790	3700	2210	2180	2100	2000	2050
13	1980	2070	1990	1860	2030	4850	3630	2190	2200	2150	1930	2060
14	1960	2070	1820	1830	2250	4850	3600	2200	2130	2100	2050	2100
15	1990	2010	1830	1860	2190	4820	3640	2220	2170	2050	1990	2250
16	1990	2020	1830	1930	2310	4860	3100	2150	2100	2080	2010	2150
17	1970	1980	1830	1900	2020	4750	3000	2160	2100	2100	2000	2250
18	2220	1990	1780	1870	2330	4720	1750	2150	2110	2050	2020	2250
19	2060	2000	1680	1840	2190	4820	1700	2160	2100	2000	1990	2250
20	2060	2010	2000	1880	2490	5000	1750	2100	2100	2000	2000	1950
21	2030	2030	1880	1850	2330	5020	1750	2170	2140	2050	2000	2000
22	1900	2010	2020	1760	2870	4820	1760	2320	2140	2050	1990	2250
23	1900	1940	2060	1760	4270	4790	1800	2620	2140	2050	2060	2450
24	1940	1950	2250	1750	4300	4770	1770	3610	2160	2050	2000	2440
25	1900	1990	2260	1750	4620	4800	1750	3450	2180	2050	2050	2700
26	1900	2000	2190	1630	4620	4780	1730	3000	2250	2080	2010	2600
27	1950	1990	2260	1760	4750	4680	1730	2470	2150	2050	2050	2350
28	1960	2100	2080	1730	4920	4550	1750	2900	2140	2050	2060	2250
29	1930	2080	1980	1750	---	4900	1680	2260	2090	2050	2060	2080
30	1870	2080	2000	1770	---	4900	1340	2540	2150	2040	2050	2050
31	1870	---	1990	2060	---	4850	---	2510	---	---	2070	---
MONTH	1990	2000	1960	1940	2610	4750	2930	2360	2180	2060	2000	2160

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.5	8.0	3.5	0.5	1.0	6.5	9.0	12.0	25.0	16.0	21.5	20.0
2	12.0	9.0	0.5	0.5	1.0	13.5	12.0	9.5	20.0	18.0	19.5	19.0
3	14.0	9.0	0.5	0.5	1.0	9.0	13.5	10.5	17.0	18.0	20.0	21.0
4	13.0	6.5	3.0	0.5	1.0	8.0	13.0	9.0	17.0	22.0	20.0	21.5
5	11.5	8.0	4.0	0.5	0.5	6.5	14.0	7.0	15.0	20.0	20.5	22.0
6	16.0	7.0	5.0	0.5	0.5	9.0	8.0	7.0	15.0	23.0	20.5	21.0
7	12.0	6.0	3.0	1.0	0.5	10.5	8.5	10.0	18.0	22.0	20.0	21.0
8	12.0	7.0	3.0	0.5	1.5	12.0	2.0	12.0	15.0	23.0	21.0	23.0
9	13.0	6.5	1.0	1.0	2.0	11.5	13.0	10.0	15.0	21.0	20.0	22.0
10	13.5	7.5	4.0	1.5	3.0	10.0	13.0	17.0	16.0	21.0	22.0	23.0
11	12.0	4.0	2.0	0.5	2.0	12.0	12.0	15.0	15.0	20.0	21.0	20.0
12	12.0	5.5	2.0	0.5	1.0	13.0	15.0	12.0	19.0	20.0	20.0	19.0
13	15.0	5.0	2.0	0.5	2.0	8.0	17.5	15.0	18.0	21.5	20.0	19.0
14	11.0	5.0	1.0	1.0	6.0	9.0	14.0	13.0	18.0	21.0	19.0	19.0
15	10.5	8.0	2.0	2.0	4.0	13.0	13.5	14.0	22.0	20.0	22.0	22.0
16	10.0	4.5	1.0	0.5	3.0	6.0	10.5	14.5	17.0	20.0	19.5	23.0
17	12.0	8.0	1.0	0.5	1.0	8.5	11.0	13.0	17.0	19.0	22.0	22.0
18	15.0	5.0	1.5	0.5	3.5	14.0	13.0	13.5	17.0	20.5	21.0	20.0
19	14.0	5.5	0.5	0.5	1.0	14.0	13.0	14.0	14.0	20.0	19.0	20.0
20	14.0	2.0	2.0	0.5	1.5	9.0	14.0	10.0	17.0	21.5	18.0	18.0
21	14.0	5.0	2.0	0.5	1.0	12.0	17.0	11.0	17.0	20.0	18.5	18.0
22	10.0	6.5	1.5	2.0	1.5	8.0	16.0	11.0	18.0	20.0	20.0	20.0
23	10.0	2.0	1.5	2.0	1.5	10.0	14.0	12.0	19.0	20.5	20.0	20.0
24	12.0	6.0	0.5	2.0	1.5	10.0	16.0	18.0	18.0	21.0	21.5	20.0
25	12.0	2.0	0.0	3.0	1.5	8.0	7.0	19.0	14.0	19.5	17.0	19.0
26	10.5	2.0	0.5	0.5	1.5	2.0	5.0	18.0	16.0	20.0	18.0	20.5
27	13.0	3.0	0.5	0.5	0.0	7.0	9.0	14.0	17.0	21.0	21.5	19.0
28	9.5	4.0	1.0	0.5	3.0	7.0	10.5	17.0	17.0	23.0	18.0	20.5
29	9.0	5.0	0.5	0.5	---	0.5	11.0	19.0	21.0	20.0	21.0	19.0
30	7.5	5.0	0.5	0.5	---	5.0	11.5	22.0	16.0	20.0	21.0	16.0
31	8.0	---	0.5	0.5	---	7.0	---	22.0	---	---	21.0	---
MONTH	12.0	5.5	1.5	1.0	1.5	9.0	12.0	13.5	17.5	20.5	20.0	20.5

BEAVER RIVER BASIN

423

10237000 BEAVER RIVER AT ADAMSVILLE, UTAH
(National stream-quality accounting network station)

LOCATION.--Lat 38°15'13", long 112°46'03", in NW¼SW¼SW¼ sec.28, T.29 S., R.8 W., Beaver County, 370 ft (113 m) downstream from bridge on State Highway 21, 1.5 mi (2.4 km) upstream from Indian Creek, and 1.5 mi (2.4 km) east of Adamsville.

DRAINAGE AREA.--267 mi² (692 km²).

PERIOD OF RECORD.--Chemical analyses: October 1974 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)
OCT. 08...	1315	17.5	1.0	45	80	21	93	11	395
JAN. 07...	1300	3.0	26	37	38	8.8	20	4.7	167
FEB. 05...	0920	.0	30	38	41	9.5	24	4.4	183
MAR. 04...	1350	4.5	41	35	44	11	26	7.2	192
APR. 08...	1325	5.5	28	35	53	13	30	6.2	227
MAY 06...	1420	10.0	2.0	35	71	21	66	8.7	327
JUNE 02...	1400	16.0	29	29	37	10	24	7.9	173
JULY 08...	1500	25.0	6.1	42	72	21	63	9.2	328
AUG. 05...	1430	20.5	21	44	69	22	65	10	375
SEP. 04...	1500	22.0	2.7	44	75	23	79	9.2	398

DATE	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
OCT. 08...	3	83	58	1.7	.03	.92	.95	.13	596
JAN. 07...	0	24	20	.4	.33	1.6	1.9	.73	234
FEB. 05...	0	27	17	.5	.35	.99	1.3	.25	250
MAR. 04...	0	29	19	.6	.01	2.1	2.1	.74	273
APR. 08...	0	34	24	.8	.44	1.1	1.5	.22	308
MAY 06...	0	64	48	1.1	.02	.75	.77	.28	486
JUNE 02...	0	26	16	.7	.00	1.8	1.8	.29	241
JULY 08...	17	48	37	1.4	.12	.97	1.1	.15	471
AUG. 05...	3	39	38	1.3	.01	.62	.63	.17	486
SEP. 04...	0	61	51	1.3	.05	.57	.62	.15	550

BEAVER RIVER BASIN

10237000 BEAVER RIVER AT ADAMSVILLE, UTAH--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT. 08...	591	.81	1.6	290	0	2.4	--	8.4
JAN. 07...	236	.32	16.4	130	0	.8	330	7.5
FEB. 05...	252	.34	20.3	140	0	.9	310	7.7
MAR. 04...	266	.37	30.2	160	0	.9	375	7.4
APR. 08...	308	.42	23.3	190	0	1.0	450	7.8
MAY 06...	476	.66	2.62	260	0	1.8	800	8.6
JUNE 02...	236	.33	19.2	130	0	.9	360	7.8
JULY 08...	472	.64	7.8	270	0	1.7	750	8.7
AUG. 05...	476	.66	27.0	260	0	1.7	740	8.7
SEP. 04...	540	.75	4.0	280	0	2.0	850	8.3

DATE	TIME	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
UCT. 08...	1315	--	43	24
JAN. 07...	1300	--	9900	1200
FEB. 05...	0920	--	5400	5000
MAR. 04...	1350	--	1400	800
APR. 08...	1325	--	1000	170
MAY 06...	1420	--	310	330
JUNE 02...	1400	--	4000	1900
JULY 08...	1500	--	2600	1200
AUG. 05...	1430	--	80	20
SEP. 04...	1500	--	150	63

DATE	TIME	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)
OCT. 08...	1315	250	80	130	120	7	2	<10	0	0	0	<50
JAN. 07...	1300	2500	50	390	250	4	2	10	0	0	0	0
APR. 08...	1325	2600	20	380	290	4	2	<10	0	0	0	<50
JULY 08...	1500	440	70	130	100	5	4	<10	0	10	0	<50

DATE	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 08...	0	<10	2	<100	1	.0	.0	0	0	40	10
JAN. 07...	0	60	0	100	2	.0	.0	1	0	40	10
APR. 08...	0	10	1	<100	1	.0	.0	0	0	40	10
JULY 08...	0	20	1	<100	2	.0	.0	0	0	170	0

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

COLORADO RIVER BASIN

TRIBUTARIES BETWEEN DOLORES RIVER AND GREEN RIVER

09182000 CASTLE CREEK ABOVE DIVERSIONS, NEAR MOAB, UTAH (LAT 38°35'34", LONG 109°15'54")

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPECIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
15...	1430	.50	8.5	300
NOV.				
25...	1330	.40	4.0	300
DEC.				
24...	1255	.30	.0	250
JAN.				
16...	1510	.40	.0	280
FEB.				
17...	1445	.40	.0	280
MAR.				
17...	1030	.40	.0	260
APR.				
15...	1020	.30	5.0	240
MAY				
07...	1030	.50	4.5	200
JUNE				
04...	1100	4.2	8.0	140
JULY				
07...	1415	4.8	11.0	180
AUG.				
06...	1440	1.9	9.0	180
SEP.				
10...	1425	.80	12.0	220

09183000 COURTHOUSE WASH NEAR MOAB, UTAH (LAT 38°36'46", LONG 109°34'45")

OCT.				
11...	1430	.10	20.0	300
NOV.				
11...	1420	.20	14.0	850
DEC.				
12...	1115	.20	.0	900
JAN.				
10...	1530	.50	.0	1200
FEB.				
10...	1555	1.2	3.0	850
MAR.				
14...	1430	.50	10.0	850
APR.				
15...	1430	.70	19.0	1000
MAY				
06...	1200	1.8	11.5	590
JUNE				
05...	1505	.10	32.0	450
JULY				
07...	1115	.10	27.0	750
AUG.				
05...	1420	.04	32.0	700
SEP.				
04...	1010	.10	16.0	700

09185800 INDIAN CREEK TUNNEL NEAR MONTICELLO, UTAH (LAT 37°50'28", LONG 109°30'17")

OCT.				
17...	1130	.30	3.5	300
JUNE				
26...	1630	9.4	8.5	220
JULY				
07...	1335	6.5	8.5	180
23...	1110	2.1	8.0	220
AUG.				
20...	1110	.90	8.0	260
SEP.				
11...	1330	.60	7.0	260

GREEN RIVER BASIN

09235600 POT CREEK ABOVE DIVERSIONS, NEAR VERNAL, UTAH (LAT 40°46'05", LONG 109°19'06")

OCT.				
07...	1045	.20	6.0	300
NOV.				
25...	1110	.30	1.0	520
APR.				
25...	1540	30	6.5	120
MAY				
12...	1445	37	5.5	135
16...	1045	30	9.0	140
27...	1355	46	14.0	170
JUNE				
23...	1550	19	15.5	150
AUG.				
01...	1400	.30	20.0	225
14...	1430	.20	13.0	300

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

GREEN RIVER BASIN

09235800 POT CREEK NEAR VERNAL, UTAH (LAT 40°40'25", LONG 109°03'03")

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT. 07...	1230	.10	12.0	260
NOV. 25...	1000	.20	1.0	540
MAR. 13...	1125	.30	1.0	300
APR. 25...	1055	37	8.0	175
JUNE 23...	1325	13	18.0	265

09262000 BIG BRUSH CREEK NEAR VERNAL, UTAH (LAT 40°34'54", LONG 109°26'03")

OCT. 07...	1620	11	11.5	690
NOV. 25...	1400	13	11.5	760
DEC. 13...	0945	14	.0	760
JAN. 15...	1620	16	.0	900
FEB. 10...	1135	12	2.0	800
APR. 03...	0925	12	1.0	715
MAY 13...	1230	23	13.0	570
23...	1050	91	5.5	230
JUNE 12...	1640	227	8.5	150
24...	1540	257	11.0	110
JULY 21...	1200	96	15.0	205
SEP. 03...	1055	35	10.0	400

09265300 ASHLEY CREEK ABOVE RED PINE CREEK, NEAR VERNAL, UTAH
(LAT 40°40'47", LONG 109°39'37")

OCT. 08...	1120	6.7	4.5	60
JUNE 11...	1430	313	7.0	80
JULY 14...	1240	222	8.0	<50
AUG. 13...	0955	42	--	<50

09266500 ASHLEY CREEK NEAR VERNAL, UTAH (LAT 40°34'39", LONG 109°37'17")

OCT. 08...	1500	16	10.5	190
NOV. 20...	1540	9.7	6.5	190
JAN. 09...	1150	10	4.5	190
FEB. 03...	1320	7.5	7.5	180
MAR. 06...	1720	6.0	7.0	215
APR. 04...	1125	5.7	7.5	230
MAY 12...	1100	28	6.5	210
19...	1135	226	6.5	80
JUNE 05...	1710	621	8.5	65
JULY 18...	1655	255	12.0	75
AUG. 12...	1750	120	11.0	140
SEP. 22...	1630	77	8.5	135

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

GREEN RIVER BASIN

09267500 MOSBY CANAL NEAR LAPOINT, UTAH (LAT 40°36'30", LONG 109°53'00")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
JUNE				
03...	1145	10	9.5	<50
03...	1600	33	8.5	<50
JULY				
22...	1145	23	14.5	<50
AUG.				
06...	1335	17	17.5	<50
SEP.				
09...	1120	6.4	13.0	<50
09...	1305	6.2	13.0	<50

09268000 DRY FORK ABOVE SINKS, NEAR DRY FORK, UTAH
(LAT 40°37'35", LONG 109°49'10")

OCT.				
17...	1200	2.5	5.5	<50
NOV.				
13...	1230	3.7	.0	<50
APR.				
29...	1225	1.4	.0	<50
JUNE				
04...	1140	126	4.5	<50
24...	1330	232	8.0	<50
JULY				
17...	1300	170	10.0	<50
AUG.				
07...	1235	19	15.0	<50
SEP.				
15...	1145	5.1	11.5	<50

09268500 NORTH FORK OF DRY FORK NEAR DRY FORK, UTAH
(LAT 49°38'34", LONG 109°48'37")

OCT.				
17...	1440	1.2	6.0	<50
NOV.				
13...	1540	1.2	1.5	<50
DEC.				
04...	1030	.80	.0	<50
MAY				
02...	1425	.30	1.0	<50
JUNE				
04...	1520	43	2.5	<50
24...	1635	86	6.5	<50
JULY				
17...	1510	26	8.5	<50
AUG.				
07...	1440	10	10.0	<50
SEP.				
15...	1415	3.4	6.0	<50

09268900 BROWNIE CANYON ABOVE SINKS, NEAR DRY FORK, UTAH
(LAT 40°39'34", LONG 109°45'01")

OCT.				
17...	1635	2.0	4.5	<50
NOV.				
20...	1145	2.4	.5	<50
DEC.				
04...	1210	3.7	.5	<50
APR.				
04...	1500	1.5	.0	<50
MAY				
02...	1245	1.1	.5	<50
19...	1725	45	1.5	65
JUNE				
04...	1750	80	2.0	<50
23...	1705	141	5.0	<50
JULY				
17...	1710	61	8.5	<50
AUG.				
07...	1700	18	11.5	<50
SEP.				
22...	1230	4.6	5.0	<50

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

GREEN RIVER BASIN
09270500 DRY FORK AT MOUTH, NEAR DRY FORK, UTAH (LAT 40°31'35", LONG 109°36'18")

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
01...	1630	1.40	15.5	820
NOV.				
20...	1300	1.0	5.0	1000
DEC.				
04...	1540	1.4	5.0	1050
JAN.				
04...	1030	1.5	5.0	1200
FEB.				
03...	1030	1.5	5.0	1200
MAR.				
06...	1450	2.7	2.0	1050
APR.				
07...	1100	1.40	2.5	1000
MAY				
12...	1320	1.50	8.5	1050
JUNE				
05...	1200	85	11.5	200
23...	1430	265	11.0	130
AUG.				
07...	1435	23	19.5	340
SEP.				
08...	1455	2.4	18.0	750

09271500 ASHLEY CREEK NEAR JENSEN, UTAH (LAT 40°22'29", LONG 109°24'27")

OCT.				
18...	1130	6.3	9.5	2900
NOV.				
26...	1055	16	1.5	2200
DEC.				
13...	1445	17	5.0	2250
JAN.				
16...	1100	16	5.0	2300
FEB.				
10...	1500	20	5.5	2000
MAR.				
13...	1430	27	6.0	2300
APR.				
03...	1245	18	5.5	2350
MAY				
13...	1430	9.2	19.5	2400
JUNE				
09...	1455	11	9.0	470
24...	1215	879	11.0	380
JULY				
16...	1515	171	19.0	1200
AUG.				
15...	0930	40	16.0	2000

09275000 WEST FORK DUCHESNE RIVER BELOW DRY HOLLOW NEAR HANNA, UTAH
(LAT 40°26'55", LONG 110°58'30")

OCT.				
03...	1045	11	6.0	400
31...	1005	11	2.0	370
DEC.				
02...	1425	11	1.0	380
FEB.				
05...	1153	9.0	5.0	350
MAR.				
31...	1200	9.0	5.0	350
JUNE				
03...	1120	230	6.0	260
24...	1325	184	9.0	270
JULY				
07...	1325	110	11.0	300
30...	1205	44	12.5	380
SEP.				
02...	1430	17	13.0	370
25...	1410	8.0	14.0	410

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975GREEN RIVER BASIN
09275500 WEST FORK DUCHESNE RIVER NEAR HANNA, UTAH
(LAT 40°27'01", LONG 110°53'01")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPEC- IFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
03...	1235	17	8.0	490
31...	1215	21	3.0	480
DEC.				
03...	1345	20	1.0	490
FEB.				
05...	1515	17	.0	460
MAR.				
31...	1225	18	1.0	480
APR.				
14...	1305	54	11.0	390
MAY				
14...	1335	64	8.0	370
JUNE				
03...	1445	252	6.0	350
24...	1605	207	11.0	320
JULY				
30...	1405	58	15.0	420
SEP.				
02...	1745	28	16.0	450
25...	1610	24	12.0	440

09276000 WOLF CREEK ABOVE RHOADES CANYON, NEAR HANNA, UTAH
(LAT 40°28'16", LONG 110°55'05")

OCT.				
03...	1140	5.0	6.0	340
31...	1130	5.0	4.0	310
DEC.				
03...	1515	5.0	3.0	320
FEB.				
05...	1605	3.0	3.0	300
MAR.				
31...	1410	3.0	4.5	290
MAY				
14...	1200	4.0	8.0	330
JUNE				
03...	1305	25	6.0	240
24...	1445	33	9.0	230
JULY				
30...	1310	18	9.0	300
SEP.				
02...	1640	10	10.0	320
25...	1510	9.0	8.0	330

09277500 DUCHESNE RIVER NEAR TABIONA, UTAH (LAT 40°17'56", LONG 110°36'54")

OCT.				
11...	0945	97	7.0	530
NOV.				
04...	1130	132	6.0	510
DEC.				
03...	1505	109	3.0	520
JAN.				
07...	1000	96	1.0	520
FEB.				
07...	0955	94	.0	530
MAR.				
06...	0945	103	4.0	490
APR.				
04...	0910	92	4.0	490
MAY				
12...	1605	149	11.0	370
JUNE				
04...	1125	564	8.0	270
27...	1020	1040	8.0	280
JULY				
30...	1620	247	16.0	430
SEP.				
03...	1030	101	11.0	560
22...	1435	113	12.0	550

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

GREEN RIVER BASIN
09277800 ROCK CREEK ABOVE SOUTH FORK, NEAR HANNA, UTAH
(LAT 40°33'27", LONG 110°41'50")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO)- MHOS)
OCT.				
02...	1500	31	6.0	<50
30...	1055	36	2.0	<50
DEC.				
04...	0945	20	.0	<50
FEB.				
04...	1045	17	.0	<50
MAR.				
04...	1130	14	.0	<50
APR.				
01...	1055	17	.5	<50
JUNE				
05...	1410	440	6.0	<50
25...	1145	710	8.0	<50
JULY				
31...	0955	315	10.0	<50
AUG.				
28...	1040	76	4.0	<50
SEP.				
23...	1410	42	7.0	<50

09278000 SOUTH FORK ROCK CREEK NEAR HANNA, UTAH (LAT 40°32'54", LONG 110°41'37")

OCT.				
08...	1220	3.0	4.0	200
30...	1155	5.0	2.0	200
DEC.				
04...	0900	4.0	.0	180
FEB.				
04...	1130	2.0	.0	150
MAR.				
04...	1145	2.0	.0	200
APR.				
01...	1145	2.0	.5	180
JUNE				
05...	1455	48	7.0	70
16...	1710	131	6.0	60
25...	1250	67	7.0	60
JULY				
31...	1030	34	8.0	160
AUG.				
28...	1145	11	6.0	190
SEP.				
23...	1505	7.0	5.0	220

09278500 ROCK CREEK NEAR HANNA, UTAH (LAT 40°32'44", LONG 110°39'20")

OCT.				
09...	1010	36	7.0	70
30...	1325	44	2.0	65
DEC.				
04...	1035	28	.5	70
FEB.				
04...	1235	21	.0	60
MAR.				
04...	1405	21	.5	90
APR.				
01...	1440	24	.5	80
MAY				
13...	1235	71	6.0	70
JUNE				
05...	1620	584	6.0	<50
16...	1900	1620	6.0	<50
JULY				
31...	1245	370	9.0	<50
AUG.				
27...	1610	101	10.0	60
SEP.				
23...	1305	64	7.0	70

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

GREEN RIVER BASIN

09278700 ROCK CREEK BELOW MINERS GULCH, NEAR HANNA, UTAH
(LAT 40°31'57", LONG 110°37'22")

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
30...	1415	41	2.0	70
DEC.				
04...	1235	22	.5	70
FEB.				
04...	1420	17	.0	60
MAR.				
04...	1620	15	1.5	40
APR.				
01...	1550	19	.5	70
MAY				
13...	1350	63	9.0	90
JUNE				
01...	1745	635	6.0	<50
JULY				
31...	1430	380	9.0	<50
AUG.				
27...	1050	106	10.0	65
SEP.				
23...	1155	59	8.0	75

09279000 ROCK CREEK NEAR MOUNTAIN HOME, UTAH (LAT 40°29'36", LONG 110°34'39")

OCT.				
07...	1230	54	9.0	150
NOV.				
05...	1115	55	3.0	150
DEC.				
04...	1335	41	1.0	150
JAN.				
01...	1720	41	1.0	140
MAY				
13...	1505	89	8.0	120
JUNE				
14...	1400	1410	6.0	60
JULY				
31...	1605	408	10.0	90
AUG.				
28...	1320	123	12.0	90

09279100 ROCK CREEK NEAR TALMAGE, UTAH (LAT 40°18'40", LONG 110°29'36")

OCT.				
11...	1200	51	9.0	260
NOV.				
05...	1315	69	5.0	240
DEC.				
04...	1445	60	.5	270
FEB.				
05...	1545	29	.0	240
MAR.				
06...	1310	55	.5	320
APR.				
04...	1055	48	3.0	340
MAY				
14...	0840	140	7.0	210
JUNE				
14...	1350	1340	7.0	90
AUG.				
01...	0900	352	10.0	80
28...	1500	100	17.0	160
SEP.				
23...	0840	92	8.0	170

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

GREEN RIVER BASIN
09279150 DUCHESNE RIVER ABOVE KNIGHT DIVERSION, NEAR DUCHESNE, UTAH
(LAT 40°16'16", LONG 110°26'32")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
11...	1110	134	9.0	580
NOV.				
04...	1240	207	7.0	440
DEC.				
03...	1600	147	2.0	500
JAN.				
07...	1115	154	6.5	410
FEB.				
07...	0400	170	6.0	500
MAR.				
06...	1100	176	2.0	470
APR.				
04...	1000	155	4.0	500
MAY				
14...	1000	278	10.0	380
JUNE				
04...	0425	1140	5.0	200
16...	1210	4020	7.0	190
AUG.				
01...	1035	453	14.0	250
26...	1615	143	17.5	400
SEP.				
22...	1605	181	12.0	460

09280400 HOBBLE CREEK AT DANIELS SUMMIT, NEAR WALLSBURG, UTAH
(LAT 40°17'54", LONG 111°15'52")

OCT.				
17...	1200	610	5.5	270
NOV.				
25...	1700	620	6.0	240
DEC.				
16...	1620	620	6.0	250
MAY				
12...	1400	460	4.5	100
JUNE				
10...	1430	27	6.5	250
JULY				
10...	0445	660	9.0	80
AUG.				
06...	1335	630	18.0	170
25...	1215	610	11.0	220
SEP.				
24...	1445	610	12.0	250

09285000 STRAWBERRY RIVER NEAR SOLDIER SPRINGS, UTAH
(LAT 40°08'39", LONG 111°01'19")

OCT.				
01...	1115	13	10.0	500
DEC.				
05...	1325	14	4.0	490
JAN.				
06...	1255	12	4.0	500
FEB.				
03...	1210	13	4.0	480
MAR.				
03...	1155	13	4.0	510
APR.				
02...	1435	13	5.0	500
MAY				
14...	1450	12	7.0	550
JUNE				
20...	1230	12	7.0	550
JULY				
07...	0555	12	6.0	540
24...	0455	12	8.0	360

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

GREEN RIVER BASIN
09285700 STRAWBERRY RIVER ABOVE RED CREEK, NEAR FRUITLAND, UTAH
(LAT 40°07'01", LONG 110°48'27")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
20...	1215	24	9.0	650
NOV.				
04...	1150	30	3.0	580
JAN.				
07...	1215	27	6.0	576
FEB.				
04...	1150	27	2.5	520
MAR.				
14...	1300	27	4.5	490
APR.				
03...	1210	23	4.0	550
MAY				
06...	1245	28	6.0	600
JUNE				
06...	1055	176	8.5	425
JULY				
08...	1120	77	14.0	500
AUG.				
06...	1105	60	13.0	600
SEP.				
03...	1415	34	15.0	630
25...	1110	34	8.0	620

09287000 CURRANT CREEK BELOW RED LEDGE HOLLOW, NEAR FRUITLAND, UTAH
(LAT 40°19'27", LONG 111°02'43")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
01...	1320	6.0	10.0	440
31...	1505	10	3.0	430
DEC.				
03...	0920	6.0	.0	390
JAN.				
06...	1530	7.0	.0	400
FEB.				
03...	1530	7.0	.0	400
MAR.				
03...	1415	12	.5	450
MAY				
12...	1100	75	6.0	380
JUNE				
02...	2100	321	6.0	280
26...	0415	76	5.0	300
JULY				
07...	1045	44	12.0	290
24...	1450	14	14.0	360
AUG.				
16...	1450	12	14.0	390
26...	1450	12	14.0	390
SEP.				
29...	0935	4.0	8.0	400

09287500 WATER HOLLOW NEAR FRUITLAND, UTAH (LAT 40°14'30", LONG 110°58'48")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
01...	1430	1.0	14.0	460
31...	1555	1.0	3.0	450
DEC.				
03...	0455	3.0	.0	450
MAR.				
13...	1210	2.0	3.0	350
APR.				
04...	1055	2.0	3.5	390
MAY				
07...	1000	2.0	3.0	450
JUNE				
06...	1410	2.0	3.0	400
JULY				
09...	1120	1.0	10.0	400
29...	1210	3.0	14.0	380
AUG.				
26...	1500	.20	20.0	590
SEP.				
24...	1035	.50	--	500

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

GREEN RIVER BASIN
09288000 CURRANT CREEK NEAR FRUITLAND, UTAH
(LAT 40°12'01", LONG 110°54'24")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
04...	1245	18	10.0	470
NOV.				
01...	1045	24	5.0	440
DEC.				
03...	1130	16	.5	450
JAN.				
05...	1240	18	.5	440
FEB.				
03...	1230	18	.0	420
MAR.				
05...	1035	23	.0	420
MAY				
12...	1230	91	5.0	350
JUNE				
25...	1145	114	8.0	340
JULY				
29...	1110	30	15.0	420
AUG.				
29...	1100	20	10.0	460
SEP.				
25...	1155	22	9.0	460

09288100 RED CREEK BELOW CURRANT CREEK, NEAR FRUITLAND, UTAH
(LAT 40°08'47", LONG 110°45'09")

OCT.				
02...	1310	19	11.0	560
NOV.				
08...	1250	30	5.0	560
JAN.				
07...	1110	26	1.0	510
FEB.				
04...	1025	27	1.0	600
MAR.				
14...	0920	31	1.5	625
APR.				
03...	1345	14	3.5	500
MAY				
06...	1345	38	4.0	500
JUNE				
06...	1200	200	7.5	475
JULY				
08...	1155	66	10.0	500
AUG.				
06...	1225	40	14.0	600
SEP.				
03...	1225	34	15.0	570
25...	1205	33	9.0	680

09288150 WEST FORK AVINTAQUIN CREEK NEAR FRUITLAND, UTAH
(LAT 39°59'40", LONG 110°49'00")

OCT.				
02...	1035	3.0	7.0	550
NOV.				
08...	1010	2.0	4.0	570
FEB.				
04...	1400	1.0	5.0	600
MAR.				
14...	1055	2.0	3.0	650
APR.				
03...	1010	2.0	4.0	500
MAY				
06...	1030	14	4.5	475
JUNE				
06...	0920	119	7.0	350
JULY				
09...	0915	33	9.0	400
AUG.				
06...	0950	13	11.0	520
SEP.				
03...	1025	6.0	14.0	540
25...	0940	4.0	5.0	530

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975GREEN RIVER BASIN
09288180 STRAWBERRY RIVER NEAR DUSHESNE, UTAH
(LAT 40°09'17", LONG 110°33'15")

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPEC- IFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
04...	1040	48	10.0	800
NOV.				
01...	0825	85	6.0	760
JAN.				
07...	1345	61	.0	770
FEB.				
05...	1400	44	.0	780
MAR.				
05...	1350	83	3.0	900
APR.				
03...	0850	77	.5	730
MAY				
15...	0970	267	11.0	500
29...	1550	579	10.0	470
JUNE				
12...	0905	525	9.0	500
AUG.				
01...	1235	109	14.0	700
29...	0920	74	11.0	660
SEP.				
20...	0905	66	8.0	750

09288900 SOWERS CREEK NEAR DUCHESNE, UTAH (LAT 39°59'22", LONG 110°27'33")

OCT.				
04...	1130	.50	6.0	1450
NOV.				
20...	1700	.60	.0	1400
DEC.				
03...	1045	.40	.0	1600
JAN.				
07...	1200	.30	.0	1650
FEB.				
12...	1135	.10	5.5	1650
MAR.				
12...	1610	.10	6.0	1700
APR.				
03...	1215	.50	1.5	1710
MAY				
07...	1305	1.1	9.5	1320
JULY				
01...	1235	8.7	--	1130
AUG.				
14...	1600	5.8	16.5	1200
SEP.				
19...	0945	4.1	4.0	1220

09289500 LAKE FORK RIVER ABOVE MOON LAKE, NEAR MOUNTAIN HOME, UTAH
(LAT 40°36'24", LONG 110°31'35")

OCT.				
10...	1330	39	6.0	<50
NOV.				
14...	1320	30	2.0	<50
MAY				
28...	1305	104	5.5	<50
JUNE				
11...	1320	413	5.0	<50
26...	1355	473	6.0	<50
JULY				
31...	1200	275	9.0	<50
SEP.				
02...	1200	61	10.0	<50

09291000 LAKE FORK RIVER BELOW MOON LAKE, NEAR MOUNTAIN HOME, UTAH
(LAT 40°33'23", LONG 110°29'02")

JUNE				
25...	1600	221	6.5	<50
AUG.				
13...	1645	335	8.5	<50

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

GREEN RIVER BASIN
09292500 YELLOWSTONE RIVER NEAR ALTONAH, UTAH (LAT 40°30'43", LONG 110°20'27")

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
15...	1130	58	6.5	95
NOV.				
15...	1450	50	4.0	100
DEC.				
15...	1230	49	.0	140
APR.				
22...	1310	42	6.0	140
MAY				
15...	1130	113	9.0	75
JUNE				
10...	1405	543	6.0	<50
25...	1325	613	8.0	<50
JULY				
24...	1100	263	10.0	<50
AUG.				
12...	1200	173	12.5	<50

09295000 DUCHESNE RIVER AT MYTON, UTAH (LAT 40°12'01", LONG 110°03'47")

OCT.				
04...	1530	37	14.5	1710
NOV.				
25...	0900	55	.0	1550
DEC.				
03...	1255	108	1.0	1600
JAN.				
07...	1500	147	.0	800
FEB.				
11...	1155	96	.5	930
MAR.				
13...	1050	74	5.0	1620
APR.				
03...	1805	45	6.0	2100
MAY				
09...	1530	42	14.5	1850
22...	1820	577	10.5	760
JUNE				
15...	1430	3770	15.0	300
JULY				
16...	1345	1590	18.0	420
AUG.				
05...	1120	125	21.5	1090
SEP.				
14...	1455	97	20.0	1400

09297000 UINTEA RIVER NEAR NEOLA, UTAH (LAT 40°32'08", LONG 110°03'46")

OCT.				
09...	1430	75	8.5	<50
NOV.				
21...	1200	59	2.0	<50
FEB.				
05...	1345	45	2.0	55
MAR.				
17...	1350	47	2.0	60
APR.				
01...	1200	40	1.5	85
MAY				
15...	1130	144	7.5	55
JUNE				
18...	1400	1050	5.0	<50
25...	1355	948	6.0	<50
JULY				
23...	1345	486	12.0	<50
AUG.				
08...	0945	267	10.0	<50
SEP.				
09...	1550	193	13.0	<50

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

GREEN RIVER BASIN

09298000 FARM CREEK NEAR WHITEROCKS, UTAH (LAT 40°34'03", LONG 109°57'39")

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
04...	1130	2.8	7.0	300
NOV.				
21...	1450	1.7	4.5	300
DEC.				
05...	1205	2.0	4.5	300
JAN.				
08...	1025	2.1	.0	300
FEB.				
05...	1105	1.4	2.0	300
APR.				
01...	1715	1.4	2.5	340
MAY				
15...	1330	2.2	11.0	350
JUNE				
17...	1830	34	8.0	130
JULY				
23...	1040	6.6	7.0	310
AUG.				
08...	1330	3.1	11.0	300
SEP.				
03...	1430	1.4	11.5	320

09299500 WHITEROCKS RIVER NEAR WHITEROCKS, UTAH (LAT 40°33'54", LONG 109°55'37")

OCT.				
25...	1330	42	9.5	65
NOV.				
25...	1200	22	.0	90
DEC.				
14...	1530	22	.0	45
JAN.				
27...	1225	21	.0	80
FEB.				
24...	0940	22	.0	100
MAR.				
25...	1605	24	.0	115
MAY				
27...	1245	160	6.5	65
JUNE				
18...	1700	684	8.0	<50
JULY				
24...	1625	266	15.0	<50
AUG.				
24...	1945	176	11.5	<50
SEP.				
25...	1135	78	7.5	65

09308500 MINNIE MAUD CREEK NEAR MYTON, UTAH (LAT 39°48'10", LONG 110°35'00")

APR.				
30...	--	11	10	650
JUNE				
05...	--	31	15	540
JULY				
02...	--	15	18	480
AUG.				
06...	--	3.2	23.5	660
SEP.				
11...	--	3.0	15.5	650

09309600 FAIRVIEW TUNNEL NEAR FAIRVIEW, UTAH (LAT 39°40'03", LONG 111°18'41")

AUG.				
12...	1500	18	18.0	230
SEP.				
04...	1130	16	14.5	200

09310000 GOOSEBERRY CREEK NEAR SCOFIELD, UTAH (LAT 39°42'57", LONG 111°17'58")

OCT.				
09...	1230	3.7	9.5	140
NOV.				
15...	0935	3.1	3.0	150
JAN.				
17...	1100	2.7	1.0	390
MAR.				
27...	1505	2.8	2.0	420
AUG.				
12...	1450	8.8	20.0	140

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

GREEN RIVER BASIN
09310500 FISH CREEK ABOVE RESERVOIR, NEAR SCOFIELD, UTAH
(LAT 39°46'28", LONG 111°11'25")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT. 09...	1030	8.2	7.5	360
NOV. 12...	1225	12	1.0	360
DEC. 12...	1215	8.9	.0	350
JUNE 04...	1310	720	7.5	250
AUG. 11...	1300	21	17.5	300

09312600 WHITE RIVER BELOW TABBYUNE CREEK, NEAR SOLDIER SUMMIT, UTAH
(LAT 39°52'33", LONG 111°02'12")

OCT. 08...	1240	4.0	9.5	620
NOV. 12...	1035	3.6	1.0	600
DEC. 11...	1115	2.6	.0	680
JAN. 07...	1230	3.7	.0	660
FEB. 11...	1150	5.0	.0	650
MAR. 25...	1445	7.1	.0	640
APR. 22...	1035	30	2.0	510
AUG. 11...	1110	14	14.0	530

09312700 BEAVER CREEK NEAR SOLDIER SUMMIT, UTAH (LAT 39°49'50", LONG 110°58'07")

NOV. 13...	1330	.73	4.5	480
DEC. 11...	1250	.40	.0	500
JAN. 07...	1425	.44	.0	510
FEB. 11...	1310	1.5	.0	490
MAR. 25...	1225	1.3	2.5	410
APR. 22...	1150	3.1	8.0	390
JUNE 04...	1420	57	13.0	250

09312800 WILLOW CREEK NEAR CASTLE GATE, UTAH (LAT 39°46'40", LONG 110°47'27")

OCT. 08...	1230	.19	12.0	950
NOV. 12...	1520	1.1	2.0	840
DEC. 11...	1500	.14	.0	990
MAR. 25...	1115	7.2	.0	570
APR. 22...	1335	44	9.5	360
AUG. 11...	1600	3.1	28.0	710

09314250 PRICE RIVER BELOW MILLER CREEK, NEAR WELLINGTON, UTAH
(LAT 39°26'59", LONG 110°37'08")

OCT. 15...	1245	22	10.5	4250
NOV. 25...	1130	25	2.0	4500
DEC. 16...	1200	44	.0	3000
JAN. 20...	1300	38	.0	3500
MAR. 04...	1230	91	1.5	2400
APR. 04...	1130	69	4.5	2600
MAY 08...	1230	31	10.5	2600
JUNE 05...	1200	346	13.0	850
JULY 02...	1200	128	18.0	1400
AUG. 06...	1130	42	9.5	2600
SEP. 11...	1300	740	11.5	2300

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

GREEN RIVER BASIN

09314280 DESERT SEEP WASH NEAR WELLINGTON, UTAH (LAT 39°25'16", LONG 110°38'44")

OCT.				
15...	1505	21	12.5	6300
NOV.				
25...	1305	2.0	1.5	5000
DEC.				
16...	1345	11	.0	6800
JAN.				
28...	1045	3.8	.0	10400
MAR.				
04...	1240	33	.0	7950
APR.				
04...	0910	15	--	5100
MAY				
08...	1105	10	8.0	2500
JUNE				
05...	1020	44	13.5	3700
JULY				
02...	0930	61	17.0	3800
AUG.				
07...	0910	23	16.5	4600
SEP.				
11...	0925	49	15.0	3200

09318000 HUNTINGTON CREEK NEAR HUNTINGTON, UTAH (LAT 39°22'17", LONG 111°03'43")

OCT.				
15...	1700	25	8.5	380
NOV.				
26...	0900	25	.0	520
DEC.				
17...	0910	25	.0	460
JAN.				
29...	0855	15	.0	400
MAR.				
06...	0930	30	.0	490
APR.				
03...	1430	12	7.0	520
MAY				
02...	0845	45	3.0	400
JUNE				
04...	1910	391	11.5	320
JULY				
01...	1030	291	7.0	320
AUG.				
05...	1600	140	12.5	320
SEP.				
09...	1545	160	11.5	280

09319000 EPHRAIM TUNNEL NEAR EPHRAIM, UTAH (LAT 39°19'47", LONG 111°25'51")

JUNE				
20...	0835	13	3.0	260
AUG.				
12...	0905	3.2	8.0	270

09326500 FERRON CREEK (UPPER STATION) NEAR FERRON, UTAH
(LAT 39°06'15", LONG 111°12'47")

OCT.				
16...	1330	14	7.5	540
NOV.				
26...	1100	9.0	.0	650
DEC.				
17...	1130	11	.0	650
JAN.				
29...	1105	6.7	.0	700
MAR.				
05...	1330	16	.0	650
APR.				
03...	1230	12	1.0	650
MAY				
07...	1330	16	6.0	520
JUNE				
03...	1500	354	8.5	400
30...	1650	353	12.0	400
AUG.				
05...	1330	64	15.5	470
SEP.				
09...	1400	29	14.0	580

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975GREEN RIVER BASIN
09328000 SAN RAFAEL RIVER NEAR CASTLE DALE, UTAH (LAT 39°08'37", LONG 111°53'50")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
16...	1100	57	7.5	3400
NOV.				
25...	1630	48	3.5	4000
DEC.				
16...	1645	43	.0	3800
JAN.				
29...	1350	27	.0	4000
MAR.				
05...	1100	51	.0	5000
APR.				
03...	1030	30	.5	4500
MAY				
07...	1050	39	6.0	3500
JUNE				
04...	1100	112	13.5	2200
JULY				
01...	1330	886	14.0	800
AUG.				
05...	1100	85	19.0	2200
SEP.				
10...	1030	116	15.0	2900

DIRTY DEVIL RIVER BASIN
09329050 SEVEN MILE CREEK NEAR FISH LAKE, UTAH (LAT 38°37'40", LONG 111°39'00")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
03...	1110	10	4.0	140
NOV.				
11...	1245	9.7	.0	120
JUNE				
04...	1155	92	4.0	80
JULY				
10...	1245	34	12.0	155
AUG.				
13...	1240	13	9.5	150
SEP.				
11...	1250	11	8.0	130

09329900 PINE CREEK NEAR BICKNELL, UTAH (LAT 38°16'10", LONG 111°35'00")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
NOV.				
12...	1215	4.7	.0	130
JAN.				
16...	--	4.1	.0	100
FEB.				
13...	1540	3.0	.0	90
MAR.				
17...	1355	4.2	.5	125
APR.				
16...	1335	2.7	7.0	135
MAY				
14...	1425	31	12.5	70
JUNE				
10...	1435	2.5	12.5	130
JULY				
11...	1300	3.6	17.5	140
AUG.				
14...	1205	4.1	12.0	155
SEP.				
11...	1515	5.4	14.0	145

09330230 FREMONT RIVER NEAR CAINEVILLE, UTAH (LAT 38°16'40", LONG 111°04'00")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
01...	1115	34	12.0	740
NOV.				
12...	1020	96	4.0	650
JAN.				
16...	1435	53	.0	400
MAR.				
18...	1450	90	10.0	580
APR.				
16...	1110	76	11.0	660
MAY				
14...	1150	182	15.0	500
JUNE				
10...	1210	78	14.5	535
JULY				
11...	0950	59	20.0	720
AUG.				
14...	0935	34	16.0	910
SEP.				
12...	0950	55	6.5	960

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DIRTY DEVIL RIVER BASIN

09330500 MUDDY CREEK NEAR EMERY, UTAH (LAT 38°59'00", LONG 111°14'49")

DATE	TIME	INSTAN- TANFOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICHO- MHOS)
OCT.				
16...	1100	14	4.0	400
NOV.				
26...	1230	15	.0	500
DEC.				
17...	1245	11	.0	460
JAN.				
27...	1545	8.4	.0	500
MAR.				
06...	1130	8.9	.0	450
APR.				
02...	1430	23	1.5	520
MAY				
06...	1520	12	8.5	420
JUNE				
03...	1330	163	8.0	400
30...	1410	149	11.0	370
AUG.				
05...	1600	48	15.5	380
SEP.				
09...	1300	39	11.5	380

09332100 MUDDY CREEK BELOW INTERSTATE 70, NEAR EMERY, UTAH
(LAT 38°48'44", LONG 111°11'53")

OCT.				
17...	1300	3.0	12.0	4000
NOV.				
26...	1410	8.0	4.0	2000
DEC.				
17...	1415	16	.0	2500
JAN.				
27...	1340	18	.0	2400
MAR.				
06...	1345	25	3.0	2600
APR.				
02...	1700	11	.0	2900
MAY				
06...	1230	19	7.0	1200
JUNE				
03...	1130	114	12.0	900
30...	1130	45	15.0	950
AUG.				
05...	1300	9.7	21.0	3100
SEP.				
09...	1045	3.1	16.0	4000

09333500 DIRTY DEVIL RIVER ABOVE POISON SPRING WASH, NEAR HANKSVILLE, UTAH
(LAT 38°05'50", LONG 110°24'27")

OCT.				
30...	1240	317	8.5	2200
DEC.				
03...	1300	88	.0	1300
JAN.				
13...	1300	35	.0	1300
FEB.				
27...	1130	136	5.0	1500
MAR.				
17...	1330	157	10.0	1500
APR.				
28...	1335	219	13.0	1600
MAY				
29...	1310	205	15.0	2300
JUNE				
25...	1300	86	18.0	2200
JULY				
28...	1300	13	29.0	3000
AUG.				
26...	1330	11	26.5	4000
SEP.				
30...	1130	35	15.5	1800

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ESCALANTE RIVER BASIN

09337000 PINE CREEK NEAR ESCALANTE, UTAH (LAT 37°51'45", LONG 111°38'07")

DATE	TIME	INSTANTANEOUS DISE- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
09...	0945	2.6	8.3	315
DEC.				
05...	1540	2.4	5.5	380
JAN.				
28...	0915	1.0	5.0	320
FEB.				
25...	0945	2.2	5.0	340
MAY				
08...	1515	2.2	10.0	440
JULY				
02...	1410	2.8	21.0	445
31...	1545	3.6	21.5	295
SEP.				
04...	1430	1.4	20.0	345

09337500 ESCALANTE RIVER NEAR ESCALANTE, UTAH (LAT 37°46'41", LONG 111°34'26")

OCT.				
09...	1145	2.9	14.0	1600
DEC.				
05...	1440	3.0	5.0	2000
APR.				
02...	1025	4.9	5.0	2100
MAY				
08...	1400	2.4	19.0	2000
JULY				
02...	1250	1.5	26.5	2300
AUG.				
01...	0915	2.4	12.0	2000
SEP.				
05...	0855	1.5	10.0	2150

09378630 RECAPTURE CREEK NEAR BLANDING, UTAH (LAT 37°45'20", LONG 109°28'33")

NOV.				
20...	1455	5.02	5.5	300
MAY				
01...	1135	7.0	6.5	190
15...	1345	16	10.0	120
19...	1330	16	17.5	120
JUNE				
19...	1730	2.0	12.0	180
JULY				
23...	1510	5.07	24.0	200

SAN JUAN RIVER BASIN

09378700 COTTONWOOD WASH NEAR BLANDING, UTAH (LAT 37°33'38", LONG 109°34'41")

NOV.				
20...	1300	1.2	9.0	700
DEC.				
18...	1215	4.4	4.5	800
JAN.				
09...	1115	5.2	5.0	850
FEB.				
19...	1100	2.1	5.0	700
MAR.				
15...	1310	6.9	13.0	600
APR.				
27...	1400	31	17.5	420
MAY				
19...	1400	34	22.5	340
JUNE				
19...	1630	5.2	23.0	600
JULY				
22...	1630	3.2	31.5	620

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

VIRGIN RIVER BASIN
09404450 EAST FORK VIRGIN RIVER NEAR GLENDALE, UTAH
(LAT 37°20'19", LONG 112°36'13")

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
13...	1045	12	8.5	520
NOV.				
12...	1550	16	8.0	575
JAN.				
17...	1350	14	4.5	610
FEB.				
25...	1035	15	.0	600
APR.				
04...	1400	20	8.0	560
22...	1025	20	5.0	600
MAY				
22...	1300	25	9.0	640
JUNE				
17...	1315	11	17.0	480
JULY				
23...	1545	9.9	21.0	465
AUG.				
29...	0900	8.8	13.5	470

09405400 NORTH FORK VIRGIN RIVER NEAR GLENDALE, UTAH
(LAT 37°28'30", LONG 112°46'42")

OCT.				
15...	1525	1.9	11.5	410
DEC.				
04...	1100	2.5	1.0	400
MAY				
19...	1240	7.3	9.5	420
JUNE				
16...	1240	8.9	10.0	300
JULY				
22...	1140	5.6	12.0	280

09405499 SPRINGDALE CANAL NEAR SPRINGDALE, UTAH (LAT 37°12'32", LONG 112°58'30")

JAN.				
17...	1120	5.4	1.5	975
MAY				
07...	1330	10	10.5	600
JULY				
23...	1340	5.8	19.0	750

09405500 NORTH FORK VIRGIN RIVER NEAR SPRINGDALE, UTAH
(LAT 37°12'35", LONG 112°58'40")

OCT.				
15...	1140	26	10.0	890
NOV.				
19...	1605	36	10.0	825
JAN.				
17...	1220	37	1.5	975
FEB.				
24...	1140	56	1.5	950
APR.				
04...	1130	58	6.0	680
MAY				
07...	1400	84	10.0	600
JUNE				
06...	1225	178	15.5	460
JULY				
23...	1240	39	19.0	750

09406300 KANARRA CREEK AT KANARRAVILLE, UTAH (LAT 37°32'13", LONG 113°10'00")

OCT.				
19...	1310	1.9	10.5	400
NOV.				
18...	1210	1.9	7.5	440
APR.				
09...	0900	2.2	1.0	625
MAY				
06...	0930	6.1	1.5	550
16...	1200	18	6.0	315
JUNE				
03...	1525	9.4	13.5	500
JULY				
08...	1505	4.1	19.5	500

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

VIRGIN RIVER BASIN
09406700 SOUTH ASH CREEK BELOW MILL CREEK, NEAR PINTURA, UTAH
(LAT 37°21'50", LONG 113°20'01")

DATE	TIME	INSTANTANEOUS DTS- CHAMBER (CFS)	TEMPER- ATURE (DEG C)	SPECIFIC CONDUCT- ANCE (MICRO- MHOS)
NOV.				
15...	1145	1.7	5.0	255
JAN.				
15...	1345	1.2	5.0	300
APR.				
22...	1020	5.2	6.0	150
MAY				
29...	1130	13	4.0	155
JUNE				
15...	1135	4.0	8.0	170

09407150 WEST FIELD DITCH AT TOQUERVILLE, UTAH (LAT 37°15'57", LONG 113°16'50")

JAN.				
15...	1225	5.0	13.5	800
MAR.				
24...	1200	2.3	--	625
APR.				
23...	1100	3.7	15.0	675
MAY				
14...	1500	6.1	17.0	225
JUNE				
18...	1420	4.1	16.5	725

09407200 ASH CREEK BELOW WEST FIELD DITCH, AT TOQUERVILLE, UTAH
(LAT 37°15'57", LONG 113°16'50")

OCT.				
10...	1235	3.8	14.0	690
NOV.				
15...	1340	6.5	16.0	700
JAN.				
15...	1310	6.2	13.5	800
FEB.				
19...	1150	6.7	14.0	750
MAR.				
24...	1030	4.2	15.0	625
APR.				
23...	1100	3.0	15.0	675
MAY				
14...	1500	4.8	17.0	225
JUNE				
18...	1440	2.4	16.5	725
JULY				
11...	1135	3.4	18.5	700

09408000 LEEDS CREEK NEAR LEEDS, UTAH (LAT 37°16'03", LONG 113°22'12")

OCT.				
10...	1130	1.9	13.5	270
NOV.				
18...	1115	2.4	6.0	290
JAN.				
15...	1105	2.4	5.0	350
MAR.				
27...	1400	4.2	1.5	305
MAY				
07...	1000	6.8	4.5	300
JUNE				
03...	1505	5.9	15.0	240

09408150 VIRGIN RIVER NEAR HURRICANE, UTAH (LAT 37°09'45", LONG 113°23'42")

OCT.				
10...	--	66	17.5	3000
NOV.				
15...	1530	146	13.0	2000
JAN.				
16...	1110	149	5.5	950
APR.				
03...	1330	152	14.0	1900
MAY				
07...	1200	134	12.0	2190

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

VIRGIN RIVER BASIN

09408400 SANTA CLARA RIVER NEAR PINE VALLEY, UTAH (LAT 37°23'00", LONG 113°28'57")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
09...	1200	1.7	11.5	115
JAN.				
04...	1200	1.9	10.0	160
MAR.				
06...	1110	2.9	2.0	115
APR.				
21...	1330	6.9	7.0	115
JUNE				
02...	1305	53	8.0	60
JULY				
09...	1345	10	16.0	80

09408500 SANTA CLARA-PINTO DIVERSION NEAR PINTO, UTAH (LAT 37°28'04", LONG 113°28'21")

APR.				
21...	1430	2.5	10.0	165
JUNE				
02...	1100	37	7.0	80
19...	1145	7.9	8.0	145

09409880 SANTA CLARA RIVER AT GUNLOCK, UTAH (LAT 37°16'55", LONG 113°46'00")

OCT.				
09...	1350	12	19.5	400
NOV.				
19...	1230	19	12.5	420
JAN.				
15...	1550	11	3.5	500
FEB.				
20...	1120	13	4.0	500
MAR.				
21...	1330	29	12.0	380
APR.				
21...	1200	31	12.0	400
MAY				
21...	1230	22	10.0	325
JUNE				
19...	1315	18	19.5	280
JULY				
10...	1235	9.9	27.5	280

09410100 SANTA CLARA RIVER BELOW WINDSOR DAM, NEAR SANTA CLARA, UTAH
(LAT 37°11'18", LONG 113°46'01")

MAR.				
21...	1500	2.5	17.0	600
APR.				
21...	1100	12	9.0	470
MAY				
21...	1100	16	9.0	470
JUNE				
19...	1505	14	20.0	445
JULY				
10...	1350	13	23.5	430

THE GREAT BASIN

WEBER RIVER BASIN

10128500 WEBER RIVER NEAR OAKLEY, UTAH (LAT 40°44'10", LONG 111°14'45")

OCT.				
18...	1410	60	8.5	310
NOV.				
25...	1015	57	1.5	320
DEC.				
20...	1140	59	1.0	310
JAN.				
27...	1230	52	1.5	300
FEB.				
25...	1425	51	1.0	350
MAR.				
25...	1210	56	2.0	300
APR.				
28...	1150	74	2.0	310
MAY				
28...	1150	548	6.5	220
JUNE				
05...	1145	1090	6.5	150
09...	1440	1570	4.5	130
16...	0605	2250	5.0	110
27...	1245	1040	8.5	130
JULY				
28...	1455	274	16.5	220
SEP.				
09...	1215	101	11.5	300

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

WEBER RIVER BASIN

10129300 WEBER RIVER NEAR PEOA, UTAH (LAT 40°45'30", LONG 111°22'11")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (OF C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
01...	1045	86	10.5	410
NOV.				
12...	0915	94	2.5	280
DEC.				
02...	1250	81	.5	400
JAN.				
13...	1100	86	.0	380
FEB.				
07...	1035	65	1.0	400
MAR.				
10...	1135	96	3.5	490
31...	1135	74	3.5	420
MAY				
15...	1050	346	4.0	250
JULY				
10...	1040	1100	8.0	350
AUG.				
12...	1350	150	15.0	410
SEP.				
18...	1345	154	12.0	410

10130500 WEBER RIVER NEAR COALVILLE, UTAH (LAT 40°53'43", LONG 111°24'04")

OCT.				
03...	1330	150	12.0	350
NOV.				
12...	1110	182	6.5	380
DEC.				
02...	1125	180	3.5	380
JAN.				
13...	1000	85	.5	380
FEB.				
07...	0900	121	.5	400
MAR.				
10...	1030	144	2.5	480
31...	1020	133	2.5	450
MAY				
15...	0845	288	4.0	350
JUNE				
10...	1105	1580	8.5	350
JULY				
10...	1300	1180	11.0	400
AUG.				
12...	1550	138	15.0	300
SEP.				
18...	1110	154	11.5	330

10131000 CHALK CREEK AT COALVILLE, UTAH (LAT 40°55'14", LONG 111°24'03")

OCT.				
03...	1210	14	10.0	750
NOV.				
12...	1235	25	4.0	650
DEC.				
02...	0740	19	.5	700
JAN.				
13...	0850	22	.5	680
FEB.				
07...	0800	22	1.0	600
MAR.				
10...	0930	35	2.5	520
31...	0900	31	2.5	490
MAY				
13...	0920	158	4.5	450
JUNE				
10...	0830	456	7.0	320
JULY				
07...	0940	245	8.5	300
AUG.				
12...	1745	35	14.5	400
SEP.				
18...	1300	48	11.0	600

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

WEBER RIVER BASIN

10134500 EAST CANYON CREEK NEAR MORGAN, UTAH (LAT 40°55'21", 111°36'23")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
NOV.				
11...	0910	5.7	8.0	575
DEC.				
03...	1055	7.4	8.5	360
JAN.				
14...	1200	7.1	7.0	740
FEB.				
03...	1210	8.8	8.5	580
MAR.				
11...	1000	8.9	7.5	520
APR.				
01...	0910	5.7	7.5	500
MAY				
08...	0840	217	8.0	450
JUNE				
09...	0840	337	8.0	400
JULY				
05...	0835	79	10.0	400
AUG.				
13...	1045	234	11.0	400
SEP.				
25...	1110	48	8.5	450

10137500 SOUTH FORK OGDEN RIVER NEAR HUNTSVILLE, UTAH (LAT 41°16'07", LONG 111°40'24")

OCT.				
02...	1100	51	7.5	380
NOV.				
13...	0845	47	4.0	400
DEC.				
04...	0830	47	4.5	360
JAN.				
07...	0945	50	2.0	380
FEB.				
05...	0840	41	5.5	380
MAR.				
11...	1225	74	4.0	300
APR.				
01...	1140	63	3.0	300
MAY				
08...	1115	264	6.0	225
JUNE				
03...	1050	844	8.0	200
JULY				
11...	0830	156	9.0	250
AUG.				
11...	1400	116	14.0	270
SEP.				
24...	0940	88	10.0	320

10139300 WHEELER CREEK NEAR HUNTSVILLE, UTAH (LAT 41°15'14", LONG 111°50'32")

OCT.				
02...	1400	1.7	10.0	380
NOV.				
13...	1030	1.4	6.0	400
DEC.				
09...	1115	8.0	1.0	240
JAN.				
07...	1145	1.3	4.5	380
FEB.				
06...	1040	8.0	5.0	420
MAR.				
11...	1340	4.9	5.5	400
APR.				
01...	1055	2.5	3.5	400
MAY				
08...	1330	30	4.0	225
JUNE				
03...	1205	100	9.0	300
JULY				
11...	0935	27	10.0	275
AUG.				
11...	1130	8.5	10.5	320
SEP.				
24...	1320	3.1	10.5	340

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

JORDAN RIVER BASIN
10146000 SALT CREEK AT NEPHI, UTAH (LAT 39°42'46", LONG 111°48'13")

DATE	TEMP (°C)	INSTANTANEOUS DISE- CHARGE (CFS)	TEMPERATURE ADJUSTED (°C)	SPECIFIC CONDUCTANCE (MICROMHOS)
OCT.				
10...	17.5	7.8	11.0	825
NOV.				
11...	12.5	3.2	6.7	800
JAN.				
07...	14.35	8.0	8.0	1050
FEB.				
12...	11.25	8.2	3.0	1100
MAR.				
12...	15.15	16	8.0	1200
APR.				
10...	10.50	15	6.5	1200
MAY				
16...	10.20	13.6	6.0	450
JUNE				
10...	10.00	11.5	6.5	530
JULY				
04...	09.40	38	10.0	650
AUG.				
13...	13.55	24	17.0	1020
SEPT.				
23...	15.05	14	14.0	1050

10148200 TIE FORK NEAR SOLDIER SUMMIT, UTAH (LAT 39°57'00", LONG 111°12'58")

OCT.				
08...	14.50	3.2	13.0	600
NOV.				
12...	09.30	3.0	2.0	600
DEC.				
11...	10.15	2.7	8.0	640
JAN.				
07...	11.15	2.6	2.0	620
MAR.				
25...	10.10	3.0	1.5	610
APR.				
22...	09.30	4.2	5.0	620
JUNE				
04...	07.40	28	7.0	570
AUG.				
11...	09.10	8.0	10.5	590

10150500 SPANISH FORK AT CASTILLA, UTAH (LAT 40°02'59", LONG 111°32'50")

NOV.				
13...	13.05	44	7.0	760
DEC.				
31...	16.20	77	2.0	780
FEB.				
14...	15.35	64	5.0	640
MAR.				
15...	11.05	59	4.5	850
APR.				
17...	15.10	124	9.0	750
MAY				
10...	15.55	696	10.5	445
JUNE				
11...	10.55	738	7.5	520
JULY				
04...	13.45	630	18.0	440
AUG.				
14...	15.05	518	17.0	410
SEPT.				
22...	15.10	146	14.0	560

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

JORDAN RIVER BASIN

10152000 SPANISH FORK NEAR LAKE SHORE, UTAH (LAT 40°09'30", LONG 111°43'50")

DATE	TIME	INSTANTANEOUS TEMPERATURE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROHOS)
NOV.				
13...	1050	102	5.5	800
DEC.				
31...	1355	95	2.0	800
FEB.				
18...	1435	101	4.0	860
MAR.				
18...	1310	117	7.0	850
APR.				
17...	1220	157	7.0	750
MAY				
14...	1750	431	10.0	435
JUNE				
11...	1400	374	11.0	510
AUG.				
14...	1405	2.9	14.0	1100
SEP.				
22...	1050	51	15.0	700

10153800 NORTH FORK PROVO RIVER NEAR KAMAS, UTAH (LAT 40°35'48", LONG 111°05'48")

OCT.				
17...	1635	3.8	9.0	<50
NOV.				
25...	1425	5.6	.0	<50
DEC.				
19...	1435	4.7	.0	<50
JAN.				
28...	1300	4.9	.0	<50
FEB.				
26...	1240	4.5	.0	<50
MAR.				
24...	1230	5.1	.0	<50
APR.				
23...	1455	9.3	1.5	<50
MAY				
30...	1455	141	8.0	<50
JUNE				
13...	1405	261	8.0	<50
25...	1300	236	6.0	<50
AUG.				
07...	1520	17	17.0	<50
SEP.				
09...	1500	13	13.0	<50

10154200 PROVO RIVER NEAR WOODLAND, UTAH (LAT 40°33'20", LONG 111°10'05")

OCT.				
17...	1420	60	9.5	195
NOV.				
28...	1345	63	3.0	245
DEC.				
14...	1745	57	2.0	255
JAN.				
27...	1515	56	2.5	240
FEB.				
25...	1120	58	3.0	280
MAR.				
24...	1545	65	4.0	210
APR.				
24...	1515	96	8.5	220
MAY				
29...	1120	573	5.5	110
JUNE				
05...	1440	1380	9.0	80
16...	0825	1840	4.5	100
25...	1520	1020	14.0	100
AUG.				
07...	1300	232	15.0	110
SEP.				
10...	1320	131	13.0	190

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

JORDAN RIVER BASIN
10155000 PROVO RIVER NEAR HAILSTONE, UTAH (LAT 40°36'03", LONG 111°21'35")

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS/CM)
OCT.				
18...	0930	43	6.0	270
NOV.				
26...	1140	100	1.5	265
DEC.				
19...	1055	113	.0	260
JAN.				
29...	1100	90	.0	300
FEB.				
20...	1700	114	1.0	290
MAR.				
21...	1515	148	5.5	230
APR.				
24...	1145	212	6.5	240
MAY				
29...	1520	1140	10.0	180
JUNE				
05...	1650	1620	11.5	100
15...	1210	2040	6.5	100
25...	1730	1210	9.0	110
AUG.				
07...	1110	216	15.5	170
SEP.				
10...	1115	103	13.5	215

10159500 PROVO RIVER BELOW DEER CREEK DAM, UTAH (LAT 40°24'12", LONG 110°31'44")

OCT.				
16...	1625	197	14.0	350
NOV.				
27...	0920	177	7.5	420
DEC.				
18...	1230	304	4.5	320
JAN.				
29...	1300	294	3.0	410
FEB.				
24...	1420	102	3.5	540
MAR.				
21...	1245	87	4.0	440
APR.				
25...	1350	352	4.0	400
MAY				
27...	1435	563	7.0	430
JUNE				
06...	1630	1630	13.0	310
17...	1135	1910	15.0	290
JULY				
09...	1630	1040	19.0	260
AUG.				
05...	1535	540	11.5	300
SEP.				
12...	1405	519	14.0	290

10163000 PROVO RIVER AT PROVO, UTAH (LAT 40°14'16", LONG 111°41'55")

NOV.				
13...	0915	199	8.0	440
DEC.				
31...	1225	319	3.5	430
FEB.				
15...	1300	228	5.0	465
MAR.				
15...	0940	118	6.0	470
APR.				
17...	1010	411	5.0	500
MAY				
19...	1400	312	9.0	390
JUNE				
04...	1715	1790	12.0	300
JULY				
14...	1720	213	16.0	330
AUG.				
19...	1210	35	15.0	410
SEP.				
22...	1346	55	15.5	370

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975JORDAN RIVER BASIN
10164500 AMERICAN FORK RIVER ABOVE UPPER POWERPLANT, NEAR AMERICAN FORK, UTAH
(LAT 40°26'52", LONG 111°40'53")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
15...	1240	17	7.0	475
NOV.				
27...	1500	15	4.5	500
DEC.				
13...	1030	14	1.0	525
JAN.				
24...	1550	14	2.7	530
FEB.				
24...	1145	13	.5	600
MAR.				
21...	1050	15	5.0	560
APR.				
25...	1155	26	6.5	520
MAY				
23...	1555	166	6.0	330
JUNE				
03...	1340	324	7.0	310
11...	1045	245	6.0	300
17...	0845	474	6.0	250
JULY				
09...	1310	327	10.0	230
AUG.				
05...	1415	90	12.0	320
SEP.				
12...	1010	50	11.0	360

10167000 JORDAN RIVER AT NARROWS, NEAR LEHI, UTAH (LAT 40°26'38", LONG 111°55'17")

APR.				
18...	1250	432	7.5	1210
JUNE				
12...	1735	640	20.0	1250
SEP.				
11...	1515	660	21.5	1250

10167700 LITTLE COTTONWOOD CREEK AT 2050 EAST, NEAR SALT LAKE CITY, UTAH
(LAT 40°36'29", LONG 111°49'51")

JUNE				
02...	1420	124	10.0	150
08...	0725	484	5.0	130
15...	1300	373	9.0	120
JULY				
15...	1420	115	12.0	120

10168800 BIG COTTONWOOD CREEK AT COT LANE AT SALT LAKE CITY, UTAH
(LAT 40°39'22", LONG 111°49'24")

JUNE				
02...	1610	248	9.5	200
04...	1015	467	6.0	180
15...	1540	380	11.0	150
JULY				
18...	1210	46	13.5	210

10172300 RED BUTTE CREEK AT 1600 EAST, AT SALT LAKE CITY, UTAH
(LAT 44°44'50", LONG 111°51'22")

APR.				
14...	1415	4.5	7.0	620
JUNE				
02...	1105	30	12.0	480

10172700 VERNON CREEK NEAR VERNON, UTAH (LAT 39°58'46", LONG 112°22'46")

NOV.				
14...	1130	2.5	7.0	450
DEC.				
30...	1425	3.4	.0	420
FEB.				
10...	1620	2.4	5.0	440
MAR.				
05...	1350	2.4	6.0	460
APR.				
18...	1255	2.8	6.5	430
MAY				
14...	1825	6.1	15.0	340
JUNE				
10...	1855	3.8	15.0	440
AUG.				
19...	1835	2.4	13.0	500
SEP.				
19...	1425	2.7	15.0	460

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

GREAT SALT LAKE DESERT
10172870 TROUT CREEK NEAR CALLAO, UTAH (LAT 39°44'39", LONG 113°53'21")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
02...	1215	1.4	10.0	55
NOV.				
08...	1420	1.7	4.0	100
DEC.				
24...	1415	1.3	.0	85
JAN.				
27...	1440	1.4	.0	90
MAR.				
04...	1055	1.7	1.0	85
APR.				
08...	1300	3.4	.0	90
MAY				
13...	1810	11	8.0	85
JUNE				
04...	1430	56	8.0	85
17...	1310	63	8.0	55
JULY				
07...	1900	19	12.0	60
AUG.				
11...	2105	3.8	12.5	90
SEP.				
09...	1505	2.0	15.5	80

SEVIER LAKE BASIN
10173450 MAMMOTH CREEK ABOVE WEST HATCH DITCH, NEAR HATCH, UTAH
(LAT 37°37'19", LONG 112°31'07")

OCT.				
04...	--	9.5	11.5	225
NOV.				
14...	0925	9.0	.0	200
FEH.				
26...	1150	6.2	.0	225
APR.				
01...	1105	8.0	.0	230
MAY				
07...	1020	9.1	2.5	245
JUNE				
03...	1230	374	6.0	125
30...	1200	81	8.0	180
AUG.				
13...	1050	24	10.0	210

10174500 SEVIER RIVER AT HATCH, UTAH (LAT 37°39'07", LONG 112°25'47")

OCT.				
08...	--	40	12.5	350
NOV.				
14...	1040	45	3.0	350
JAN.				
21...	0945	45	.0	260
FEH.				
26...	1305	42	1.5	340
APR.				
01...	1215	45	1.0	355
MAY				
07...	1130	62	6.0	320
JUNE				
13...	1055	342	8.0	220
JULY				
01...	1100	128	10.5	310
AUG.				
13...	1205	70	14.0	340

10176300 PANGUITCH CREEK NEAR PANGUITCH, UTAH (LAT 37°46'20", LONG 112°32'00")

OCT.				
08...	--	3.7	9.5	265
NOV.				
14...	1230	5.7	4.0	220
JAN.				
20...	1620	1.9	2.0	235
APR.				
01...	0920	2.6	.0	240
MAY				
07...	1505	9.2	11.0	195
JUNE				
03...	1445	79	14.0	230
JULY				
01...	1520	71	19.0	200
AUG.				
13...	1550	69	18.5	210

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SEVIER LAKE BASIN

10180000 SEVIER RIVER NEAR CIRCLEVILLE, UTAH (LAT 38°06'15", LONG 112°20'08")

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SP- CIFIC CON- DUCT- ANCE (MICHO- MHOS)
OCT.				
07...	1510	62	14.5	460
NOV.				
13...	1525	100	--	460
FEH.				
26...	1445	104	5.0	345
MAR.				
31...	1420	98	4.5	390
MAY				
07...	1335	52	10.0	465
JUNF				
16...	1415	214	13.5	350
JULY				
01...	1250	84	17.0	425
AUG.				
13...	1405	61	22.0	520

10183500 SEVIER RIVER NEAR KINGSTON, UTAH (LAT 38°12'22", LONG 112°12'25")

OCT.				
07...	1330	13	15.5	600
NOV.				
13...	1315	107	9.5	480
JAN.				
13...	1145	134	3.0	355
FEB.				
10...	1230	139	5.0	410
MAR.				
13...	1305	116	8.5	495
APR.				
14...	1140	65	6.0	560
MAY				
15...	1230	14	18.0	750
JUNE				
16...	1150	86	18.0	430
JULY				
23...	1230	17	20.0	630
SEP.				
08...	1130	15	16.0	625

10183900 EAST FORK SEVIER RIVER NEAR RUBYS INN, UTAH (LAT 37°34'33", LONG 112°15'54")

OCT.				
08...	1005	6.0	7.5	440
DEC.				
05...	1150	6.2	.0	400
MAY				
08...	0945	34	1.0	450
JUNE				
13...	1255	22	15.0	480
JULY				
02...	0940	10	11.5	440
31...	1240	10	19.0	430
SEP.				
04...	1125	6.5	14.0	325

10185000 ANTIMONY CREEK NEAR ANTIMONY, UTAH (LAT 38°06'05", LONG 111°52'55")

UCT.				
10...	1140	18	8.0	190
DEC.				
06...	1130	17	4.0	190
JAN.				
20...	1100	15	3.0	160
FEH.				
28...	1330	17	6.5	120
MAR.				
31...	1230	17	5.0	195
MAY				
09...	1055	19	6.0	160
JUNE				
04...	1145	32	9.0	175
JULY				
03...	1030	17	10.0	140
SEP.				
05...	1155	17	9.0	200

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SEVIER LAKE BASIN

10187300 OTTER CREEK NEAR KOOSHAREM, UTAH (LAT 38°36'40", LONG 111°48'40")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
03...	1520	10	13.5	105
NOV.				
11...	1050	7.4	2.0	100
APR.				
30...	1235	8.3	4.5	125
MAY				
23...	1100	21	4.0	105
JUNE				
04...	1530	38	8.5	80
JULY				
10...	1040	19	10.0	110
AUG.				
13...	1030	14	9.0	125
SEP.				
11...	1045	12	8.5	115

10187500 OTTER CREEK ABOVE RESERVOIR, NEAR ANTIMONY, UTAH (LAT 38°14'59", LONG 111°57'55")

DEC.				
06...	1330	22	1.5	395
JAN.				
20...	1235	9.7	.0	305
FEB.				
28...	1535	40	1.0	325
MAR.				
31...	1045	24	4.0	460
MAY				
04...	1305	1.9	9.0	530
JUNE				
04...	1300	2.7	14.0	900
JULY				
03...	1200	2.4	11.0	660
SEP.				
05...	1450	.20	15.0	575

10189000 EAST FORK SEVIER RIVER NEAR KINGSTON, UTAH (LAT 38°11'49", LONG 112°09'01")

OCT.				
07...	1215	42	13.0	420
NOV.				
13...	1215	42	6.5	540
MAR.				
13...	1050	16	4.0	570
APR.				
18...	1040	17	5.0	610
MAY				
15...	1035	125	11.0	105
JUNE				
16...	1045	113	15.0	310
JULY				
23...	1125	164	18.5	385
SEP.				
08...	1040	48	16.5	460

10194000 SEVIER RIVER ABOVE CLEAR CREEK, NEAR SEVIER, UTAH
(LAT 38°34'20", LONG 112°15'27")

OCT.				
21...	0950	87	10.0	460
NOV.				
25...	1330	40	4.0	500
JAN.				
13...	1350	10	.0	405
FEB.				
10...	1420	10	1.0	490
MAR.				
14...	1145	21	6.0	470
APR.				
18...	1455	18	9.0	535
MAY				
22...	1415	312	10.5	455
JUNE				
17...	1015	422	12.0	410
AUG.				
04...	1005	370	18.0	480
SEP.				
08...	1400	266	18.5	420

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975SEVIER LAKE BASIN
10194200 CLEAR CREEK ABOVE DIVERSIONS, NEAR SEVIER, UTAH (LAT 38°34'44", LONG 112°17'22")

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICHO- MHOS)
OCT.				
21...	1055	10	8.5	280
NOV.				
25...	1420	8.8	5.0	265
JAN.				
13...	1440	15	.0	320
FEB.				
24...	1030	4.7	.0	330
MAR.				
14...	1040	12	5.0	260
APR.				
17...	1445	14	8.5	285
MAY				
22...	1520	144	7.5	205
JUNE				
17...	1125	282	8.0	180
AUG.				
04...	1055	25	14.0	210
SEP.				
08...	1500	14	17.0	280

10205000 SEVIER RIVER NEAR SIGURD, UTAH (LAT 38°52'24", LONG 111°57'14")

OCT.				
04...	1315	42	14.0	940
NOV.				
27...	1330	77	6.0	1100
JAN.				
15...	1245	79	4.0	1100
FEB.				
12...	1130	107	5.0	1050
MAR.				
12...	1330	113	8.0	1250
APR.				
17...	1115	31	8.0	1300
MAY				
13...	1410	1.5	18.0	1100
AUG.				
04...	1330	51	19.5	750
SEP.				
10...	1040	67	16.5	1150

10205030 SALINA CREEK NEAR EMERY, UTAH (LAT 38°54'43", LONG 111°31'47")

OCT.				
04...	1110	10	8.0	390
NOV.				
26...	0955	7.4	.0	375
APR.				
15...	1410	6.2	6.0	450
MAY				
13...	1050	18	6.0	460
JUNE				
05...	1125	113	7.0	375
JULY				
08...	1400	21	15.0	365
AUG.				
12...	1045	17	9.5	430
SEP.				
10...	1340	12	13.0	410

10206000 SALINA CREEK AT SALINA, UTAH (LAT 38°57'25", LONG 111°51'58")

OCT.				
01...	1535	.70	14.5	5000
NOV.				
27...	1130	11	.0	1400
JAN.				
15...	1135	9.3	.0	850
FEB.				
12...	0930	9.5	.0	1300
MAR.				
11...	1410	20	5.0	1125
APR.				
17...	1220	6.0	6.5	1500
MAY				
13...	1235	63	11.0	510
23...	1305	64	9.0	590
JUNE				
06...	1045	310	10.0	355
JULY				
09...	1150	11	20.5	1025
AUG.				
12...	1200	2.9	17.5	2400
SEP.				
10...	1150	1.7	17.0	2600

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SEVIER LAKE BASIN

10208500 OAK CREEK NEAR FAIRVIEW, UTAH (LAT 39°40'26", LONG 111°24'30")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
11...	0845	1.7	7.5	460
NOV.				
14...	0945	1.4	3.0	440
DEC.				
16...	1010	2.2	3.0	490
JAN.				
16...	1110	2.0	3.0	450
FEB.				
12...	1305	1.8	3.0	460
MAR.				
26...	1345	2.1	2.0	440
APR.				
23...	0845	3.6	8.5	430
AUG.				
12...	1710	3.9	14.5	400

10210000 PLEASANT CREEK NEAR MOUNT PLEASANT, UTAH (LAT 39°32'35", LONG 111°23'00")

OCT.				
04...	1410	9.5	11.0	420
NOV.				
14...	1210	8.6	7.5	430
DEC.				
16...	1405	9.3	7.0	460
JAN.				
16...	1310	8.6	7.0	440
FEB.				
12...	1010	8.5	7.0	470
MAR.				
26...	1205	9.5	5.5	470
APR.				
23...	1005	10	7.0	470
JUNE				
17...	1210	131	10.0	290
AUG.				
12...	1310	14	13.5	380

10216210 SAN PITCH RIVER NEAR STERLING, UTAH (LAT 39°12'23", LONG 111°42'37")

NOV.				
26...	1155	.06	3.5	1850
APR.				
14...	1315	100	6.0	1500
JUNE				
06...	1215	4.8	14.0	1545
SEP.				
09...	1245	65	18.0	1950

10216400 TWELVEMILE CREEK NEAR MAYFIELD, UTAH (LAT 39°06'02", LONG 111°38'44")

OCT.				
02...	1035	16	6.0	330
NOV.				
26...	1105	14	.0	410
JAN.				
14...	1215	13	.0	400
FEB.				
11...	1245	10	.0	440
MAR.				
10...	1105	8.2	1.5	445
APR.				
14...	1055	8.6	3.0	470
MAY				
12...	1105	45	3.0	405
JUNE				
05...	1420	125	11.0	420
JULY				
08...	1110	61	10.5	415
AUG.				
11...	1345	30	16.5	400
SEP.				
09...	1405	20	12.0	400

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SEVIER LAKE BASIN
10217000 SEVIER RIVER BELOW SAN PITCH RIVER, NEAR GUNNISON, UTAH
(LAT 39°09'19", LONG 111°52'47")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
02...	1330	148	14.0	1850
NOV.				
26...	1405	199	5.0	2150
JAN.				
14...	1445	202	1.5	2450
FEB.				
11...	1320	239	5.0	1800
MAR.				
11...	1125	250	7.0	1900
APR.				
15...	1055	82	7.0	2000
JUNE				
06...	1520	512	17.0	975
JULY				
07...	1040	126	18.0	2700
AUG.				
11...	1030	108	16.0	2800
SEP.				
09...	1110	110	14.5	2400

10219000 SEVIER RIVER NEAR JUAB, UTAH (LAT 39°22'29", LONG 112°02'20")

OCT.				
16...	1300	2.5	14.0	2000
NOV.				
11...	1550	2.3	12.0	2000
JAN.				
09...	1345	6.1	1.5	2100
FEB.				
11...	1815	7.9	5.0	1900
MAR.				
16...	1825	9.4	7.0	2200
APR.				
15...	1415	6.9	8.5	2150
MAY				
15...	1750	719	10.0	2100
JUNE				
10...	1650	595	13.0	2200
JULY				
08...	1705	1090	17.0	2050
AUG.				
12...	1900	467	20.0	2000
SEP.				
23...	1200	5.3	15.0	2000

10219200 CHICKEN CREEK NEAR LEVAN, UTAH (LAT 39°33'03", LONG 111°49'42")

NOV.				
11...	1400	1.8	5.5	850
JAN.				
02...	1630	1.6	2.0	850
FEB.				
11...	1420	1.5	3.0	900
MAR.				
11...	1805	2.6	6.5	800
APP.				
16...	1330	2.8	6.0	700
MAY				
15...	1510	30	13.0	420
JUNE				
10...	1235	22	9.0	750
JULY				
08...	1900	8.6	19.0	600
AUG.				
13...	1100	5.2	15.0	750
SEP.				
23...	1340	3.4	13.0	770

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SEVIER LAKE BASIN
10224100 OAK CREEK ABOVE LITTLE CREEK, NEAR OAK CITY, UTAH
(LAT 39°21'23", LONG 112°13'55")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
NOV.				
12...	0830	.50	1.5	260
JAN.				
03...	1215	.60	.0	235
FEB.				
11...	1040	.60	.0	240
MAR.				
10...	1255	.80	4.5	220
APR.				
15...	1720	2.0	5.0	205
MAY				
14...	1045	21	7.5	115
JUNE				
10...	2025	7.2	8.0	130
JULY				
08...	1325	1.8	17.0	190
AUG.				
12...	1545	.70	17.0	250
SEP.				
17...	1325	.50	15.0	260

PAVANT VALLEY
10233000 MEADOW CREEK NEAR MEADOW, UTAH (LAT 38°53'29", LONG 112°19'36")

OCT.				
01...	1530	2.2	12.0	360
DEC.				
05...	1500	2.0	3.0	395
MAR.				
03...	1210	2.2	3.0	340
APR.				
07...	1230	4.7	1.0	300
MAY				
08...	1230	9.0	7.0	260
JUNE				
11...	1045	26	5.5	290

10233500 CORN CREEK NEAR KANOSH, UTAH (LAT 38°46'27", LONG 112°23'56")

OCT.				
01...	1355	11	12.0	500
DEC.				
05...	1305	10	6.0	560
JAN.				
28...	1115	8.9	.0	540
MAR.				
03...	1320	8.8	7.5	570
APR.				
07...	1340	17	6.0	395
MAY				
08...	1100	33	8.0	500
JUNE				
11...	1220	50	10.0	470

BEAVER RIVER BASIN
10234500 BEAVER RIVER NEAR BEAVER, UTAH (LAT 38°16'43", LONG 112°33'32")

OCT.				
29...	1455	13	6.0	155
NOV.				
26...	1155	16	4.0	145
DEC.				
20...	1540	14	1.5	65
FEB.				
26...	1300	14	2.0	160
APR.				
24...	1400	22	5.0	140
MAY				
27...	1035	142	5.0	135
JUNE				
25...	1105	114	6.0	90
JULY				
28...	1110	42	13.0	110
AUG.				
25...	1040	23	11.0	140

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

BEAVER RIVER BASIN

10235000 SOUTH CREEK NEAR BEAVER, UTAH (LAT 38°11'25", LONG 112°33'06")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
NOV.				
20...	1445	1.6	4.5	180
FEB.				
26...	1405	1.0	1.0	150
APR.				
28...	1345	2.9	3.5	160
MAY				
15...	1345	15	9.0	135
JUNE				
16...	1440	7.9	16.5	100
JULY				
17...	1315	2.8	19.0	135

10236000 NORTH FORK NORTH CREEK NEAR BEAVER, UTAH (LAT 38°20'44", LONG 112°33'03")

NOV.				
20...	1235	1.9	3.5	125
JAN.				
27...	1545	1.3	.0	150
APR.				
28...	1105	5.7	.5	150
MAY				
15...	1200	28	7.0	80
JUNE				
16...	1235	33	10.0	55
JULY				
17...	1025	6.9	13.0	80
SEP.				
04...	1320	1.4	17.5	90

10236500 SOUTH FORK NORTH CREEK NEAR BEAVER, UTAH (LAT 38°20'19", LONG 112°32'14")

NOV.				
20...	1325	1.6	3.5	230
JAN.				
27...	1505	2.7	.0	340
APR.				
28...	1205	9.4	.5	240
JUNE				
27...	1540	47	11.5	100
JULY				
17...	1145	24	12.0	100
SEP.				
04...	1410	4.9	17.5	160

10237500 INDIAN CREEK NEAR BEAVER, UTAH (LAT 38°25'53", LONG 112°35'13")

NOV.				
20...	1125	1.4	1.5	145
FEB.				
26...	1045	1.1	.0	135
APR.				
24...	1245	6.4	5.5	160
MAY				
15...	1045	31	11.0	125
JUNE				
16...	1105	20	10.0	100
JULY				
16...	1110	10	13.0	80
SEP.				
04...	1215	3.7	12.0	105

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

BEAVER RIVER BASIN
10239000 BEAVER RIVER AT ROCKY FORD DAM, NEAR MINERSVILLE, UTAH
(LAT 38°13'03", LONG 112°50'22")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICHO- MHOS)
OCT.				
02...	1035	6.0	11.0	600
JAN.				
27...	1125	5.7	5.0	700
FEB.				
27...	1335	6.9	11.5	690
MAR.				
31...	1000	7.4	7.0	610
APR.				
24...	1100	8.9	11.0	600
MAY				
15...	1050	12.4	14.0	610
JUNE				
17...	1105	6.0	17.0	600
JULY				
16...	1420	3.0	24.5	580

PAROWAN VALLEY
10241400 LITTLE CREEK NEAR PARAGONAH, UTAH (LAT 37°54'10", LONG 112°42'45")

OCT.				
15...	1225	4.0	10.5	380
NOV.				
11...	1110	1.2	3.5	390
MAR.				
03...	1110	1.8	1.5	300
APR.				
04...	1115	4.3	1.0	540
MAY				
07...	1145	7.8	4.0	350
JUNE				
03...	1205	7.4	11.0	260
JULY				
03...	1400	4.2	12.0	260

10241430 RED CREEK NEAR PARAGONAH, UTAH (LAT 37°51'25", LONG 112°40'30")

OCT.				
15...	1120	1.1	6.5	210
NOV.				
11...	1135	1.6	4.0	210
MAY				
06...	1015	2.6	.0	185
JUNE				
03...	1050	6.7	7.0	150
JULY				
03...	1515	2.2	12.0	170

10241470 CENTER CREEK ABOVE PAROWAN CREEK, NEAR PAROWAN, UTAH
(LAT 37°47'20", LONG 112°48'40")

OCT.				
15...	1400	4.0	10.5	320
NOV.				
11...	1405	4.3	7.0	320
JAN.				
13...	1150	4.1	.5	370
FEB.				
18...	1230	3.1	.0	375
APR.				
04...	1030	5.4	.5	430
MAY				
07...	1305	5.0	5.0	395
JUNE				
02...	1345	4.2	13.5	315

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) AND TEMPERATURE (°C) OF WATER,
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PAROWAN VALLEY

10241600 SUMMIT CREEK NEAR SUMMIT, UTAH (LAT 37°47'20", LONG 112°54'55")

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.				
15...	1500	1.2	13.0	490
NOV.				
11...	1505	1.0	8.5	520
MAR.				
03...	1230	1.0	5.5	600
APR.				
08...	1400	1.4	4.0	420
MAY				
07...	1405	2.7	9.9	560
JUNE				
02...	1505	20	14.0	330

CEDAR CITY VALLEY

10242000 COAL CREEK NEAR CEDAR CITY, UTAH (LAT 37°40'20", LONG 113°02'02")

OCT.				
25...	0925	8.4	5.0	550
DEC.				
09...	1340	6.2	2.0	800
JAN.				
13...	1600	6.5	.0	700
FEB.				
19...	1510	14	.0	700
APR.				
04...	1300	15	10.0	700
MAY				
06...	1145	22	4.0	525
13...	0900	87	2.0	380
JUNE				
02...	1045	193	7.5	340
JULY				
02...	1020	25	18.0	515

CHEMICAL ANALYSES OF GROUND WATERS IN UTAH

WELL NUMBER (LATITUDE LONGITUDE)	WELL NUMBER (TOWNSHIP, RANGE, SECTION)	DATE OF SAMPLE	GEO- LOGIC UNIT 1/	DEPTH OF WELL (FT)	TEMPER- ATURE (DEG C)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
CENTRAL VIRGIN RIVER BASIN Washington County										
371305113470401	(C-41-17)17CBA-1	9-29-75	-	626	17.0	-	-	-	-	-
3706511133004901	(C-42-16)22DCA-1	8-14-75	-	88	16.0	-	-	-	-	-
370013113233701	(C-43-15)25DDD-1	6-26-75	Qd	144	18.5	15	560	170	150	16
ESCALANTE VALLEY, BERYL-ENTERPRISE AREA Iron County										
374830113350301	(C-34-16)28DCC-2	6- 9-75	QTvf	-	12.0	60	120	24	34	8.8
374700113361001	(C-35-16)9ADD-1	6- 9-75	QTvf	-	13.0	47	91	18	19	6.2
374925113285001	(C-35-16)21DCC-1	7-31-75	QTvf	-	14.0	49	51	9.2	16	4.9
373230113394001	(C-35-16)32DCD-1	5-15-75	QTvf	-	19.0	-	-	-	-	-
373745113130001	(C-36-15)7CDD-1	5-15-75	-	-	20.0	64	190	34	330	21
374415113410001	(C-36-16)5A-9	5-15-75	QTvf	-	13.0	38	220	43	29	7.8
374004113392001	(C-36-16)9BCD-1	5-15-75	QTvf	272	12.0	-	-	-	-	-
373850113402001	(C-36-16)19AAB-1	5-15-75	QTvf	-	10.5	-	-	-	-	-
373710113380001	(C-36-16)27DCC-1	5-15-75	QTvf	344	16.0	-	-	-	-	-
374020113394501	(C-36-16)29DAA-1	5-15-75	QTvf	380	13.5	-	-	-	-	-
373620113421001	(C-36-17)36AAD-1	5-15-75	-	-	10.0	39	51	9.9	23	4.4
373500113423001	(C-37-17)12DBC-1	5-15-75	QTvf	73	12.0	44	85	15	33	5.3
373405113433001	(C-37-17)14BAC-1	6- 9-75	QTvf	-	15.0	-	-	-	-	-
ESCALANTE VALLEY, MILFORD AREA Beaver County										
382403112592601	(C-28-10)5DAD-2	6-10-75	Qal	130	10.5	55	290	250	720	14
382336112592601	(C-28-10)8ADD-2	-	Qal	185	14.5	35	84	27	43	3.8
382204113002501	(C-28-10)17CCC-1	6-10-75	Qal	92	13.0	47	520	180	290	16
382019112591701	(C-28-10)28CCC-1	6-10-75	Qal	-	10.0	37	95	50	44	4.7
382020112585901	(C-28-10)28CDD-1	-	Qal	360	15.0	38	100	49	53	5.0
382138113035301	(C-28-11)23CBB-2	6-10-75	Qal	95	14.0	40	220	93	330	15
382138113035302	(C-28-11)23CBB-3	6-10-75	Qal	-	14.5	57	130	48	170	19
381835113000001	(C-29-10)5CDD-5	6-10-75	Qal	295	13.0	34	120	26	29	5.5
381901113014101	(C-29-11)1ADD-2	6-10-75	Qal	64	13.0	38	120	26	33	6.5
381530113050201	(C-29-11)28ADD-2	8- 4-75	Qal	202	13.5	-	-	-	-	-
CEDAR CITY VALLEY Iron County										
374304113052901	(C-35-11)33AAC-1	6-19-75	Qal	-	11.0	17	200	81	22	3.3
374105113084901	(C-36-12)12DBA-1	7- 1-75	QTvf	600	13.5	-	-	-	-	-
373915113125601	(C-36-12)21CBB-1	6-17-75	QTvf	-	13.0	-	-	-	-	-
373734113132701	(C-36-12)32DCC-1	6-17-75	-	-	13.0	-	-	-	-	-
373407113100801	(C-37-12)23ACB-1	6-17-75	QTvf	-	14.5	-	-	-	-	-
373234113111601	(C-37-12)34ABB-1	7- 1-75	QTvf	-	11.0	-	-	-	-	-
PAROWAN VALLEY Iron County										
375852112440801	(C-32-8)35BCB-1	6-17-75	Qal	250	12.0	-	-	-	-	-
375257112483501	(C-33-8)31CCC-1	6-19-75	QTvf	-	14.5	27	54	30	30	2.9
375320112510001	(C-33-9)35ACD-2	6-17-75	QTvf	-	13.5	-	-	-	-	-
375022112522301	(C-34-9)16CDD-2	6-17-75	QTvf	352	11.5	-	-	-	-	-
375033112561101	(C-34-10)13CBD-2	6-17-75	QTvf	-	11.5	-	-	-	-	-
PAVANT VALLEY Millard County										
391316112241501	(C-18-5)27CBA-1	8- 5-75	QTvf	495	16.0	-	-	-	-	-
391313112234601	(C-18-5)27DBA-1	8- 5-75	QTvf	520	16.5	-	-	-	-	-
391303112243201	(C-18-5)28DDA-1	8- 5-75	Qal	550	16.5	-	-	-	-	-
391234112233601	(C-18-5)34ADB-1	8- 5-75	Qal	354	15.5	-	-	-	-	-
391249112235901	(C-18-5)34BAA-1	8- 5-75	QTvf	667	16.5	-	-	-	-	-
391246112241601	(C-18-5)34BBA-2	8- 5-75	Qal	502	17.0	-	-	-	-	-
391232112241501	(C-18-5)34BCA-1	8- 5-75	-	400	15.0	-	-	-	-	-
391224112220201	(C-18-5)36BCD-1	8- 5-75	-	-	16.5	-	-	-	-	-
391212112215801	(C-18-5)36CBC-1	8- 5-75	-	-	16.5	-	-	-	-	-
390759112194801	(C-19-4)29BCD-1	8- 5-75	-	-	13.5	-	-	-	-	-
390757112202001	(C-19-4)30DAB-1	8- 5-75	-	510	14.0	-	-	-	-	-

WELL NUMBER (TOWNSHIP, RANGE, SECTION)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
CENTRAL VIRGIN RIVER BASIN--Continued Washington County--Continued											
(C-41-17)17CBA-1	-	-	-	-	-	-	-	-	-	480	-
(C-42-16)22DCA-1	-	-	-	-	-	-	-	-	-	1850	-
(C-43-15)25DDD-1	111	0	2100	100	16	3240	2100	2000	1.4	3600	6.9
ESCALANTE VALLEY, BERYL-ENTERPRISE AREA--Continued Iron County--Continued											
(C-34-16)28DCC-2	165	0	88	180	1.6	604	400	260	0.7	700	7.5
(C-35-16)9ADD-1	198	0	36	99	2.7	426	300	140	0.5	700	7.4
(C-35-16)21DCC-1	182	0	14	30	7.7	268	170	16	0.5	420	7.7
(C-35-16)32DCD-1	-	-	-	-	-	-	-	-	-	345	-
(C-36-15)7CDD-1	132	0	820	260	6.2	1820	610	510	5.8	2550	7.3
(C-36-16)5A-9	332	0	130	280	9.1	952	730	450	0.5	1600	7.3
(C-36-16)9BCD-1	-	-	-	-	-	-	-	-	-	590	-
(C-36-16)19AAB-1	-	-	-	-	-	-	-	-	-	415	-
(C-36-16)27DCC-1	-	-	-	-	-	-	-	-	-	585	-
(C-36-16)29DAA-1	-	-	-	-	-	-	-	-	-	460	-
(C-36-17)36AAD-1	193	0	19	22	4.8	285	170	10	0.8	440	7.5
(C-37-17)12DBC-1	300	0	30	32	8.8	432	270	28	0.9	675	7.2
(C-37-17)14BAC-1	-	-	-	-	-	-	-	-	-	580	-
ESCALANTE VALLEY, MILFORD AREA--Continued Beaver County--Continued											
(C-28-10)5DAD-2	446	0	2500	320	0.08	4370	1800	1400	7.5	-	7.2
(C-28-10)8ADD-2	145	0	150	98	0.90	517	320	200	1.0	800	7.4
(C-28-10)17CCC-1	263	0	1100	940	1.1	3230	2000	1800	2.8	5000	7.0
(C-28-10)28CCC-1	142	0	220	140	1.6	669	440	330	0.9	1000	7.7
(C-28-10)28CDD-1	152	0	230	160	2.0	719	450	330	1.1	1100	7.4
(C-28-11)23CBB-2	248	0	1200	200	0.30	2230	930	730	4.7	2800	7.3
(C-28-11)23CBB-3	232	0	530	150	0.13	1220	520	330	3.2	1650	7.2
(C-29-10)5CDD-5	298	0	100	83	3.8	562	410	160	0.6	900	7.3
(C-29-11)1ADD-2	257	0	84	120	2.9	568	410	200	0.7	950	7.4
(C-29-11)28ADD-2	-	-	-	-	-	-	-	-	-	1160	-
CEDAR CITY VALLEY--Continued Iron County--Continued											
(C-35-11)33AAC-1	343	0	500	16	4.2	1030	830	550	0.3	1400	7.2
(C-36-12)12DBA-1	-	-	-	-	-	-	-	-	-	590	-
(C-36-12)21CBB-1	-	-	-	-	-	-	-	-	-	380	-
(C-36-12)32DCC-1	-	-	-	-	-	-	-	-	-	270	-
(C-37-12)23ACB-1	-	-	-	-	-	-	-	-	-	640	-
(C-37-12)34ABB-1	-	-	-	-	-	-	-	-	-	975	-
PAROWAN VALLEY--Continued Iron County--Continued											
(C-32-8)35BCB-1	-	-	-	-	-	-	-	-	-	280	-
(C-33-8)31CCC-2	246	0	45	46	1.4	363	260	57	0.8	607	7.5
(C-33-9)35ACD-2	-	-	-	-	-	-	-	-	-	390	-
(C-34-9)16CDD-2	-	-	-	-	-	-	-	-	-	640	-
(C-34-10)13CBD-2	-	-	-	-	-	-	-	-	-	540	-
PAVANT VALLEY--Continued Millard County--Continued											
(C-18-5)27CBA	-	-	-	-	-	-	-	-	-	1100	-
(C-18-5)27DBA-1	-	-	-	-	-	-	-	-	-	1150	-
(C-18-5)28DDA-1	-	-	-	-	-	-	-	-	-	1200	-
(C-18-5)34ADB-1	-	-	-	-	-	-	-	-	-	1800	-
(C-18-5)34BAA-1	-	-	-	-	-	-	-	-	-	1150	-
(C-18-5)34BBA-2	-	-	-	-	-	-	-	-	-	1100	-
(C-18-5)34BCA-1	-	-	-	-	-	-	-	-	-	1900	-
(C-18-5)36BCD-1	-	-	-	-	-	-	-	-	-	620	-
(C-18-5)36CBC-1	-	-	-	-	-	-	-	-	-	600	-
(C-19-4)29BCD-1	-	-	-	-	-	-	-	-	-	760	-
(C-19-4)30DAB-1	-	-	-	-	-	-	-	-	-	870	-

WELL NUMBER (LATITUDE LONGITUDE)	WELL NUMBER (TOWNSHIP, RANGE, SECTION)	DATE OF SAMPLE	GEO- LOGIC UNIT 1/	DEPTH OF WELL (FT)	TEMPER- ATURE (DEG C)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	BIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
PAVANT VALLEY--Continued Millard County--Continued										
390714112200201	(C-19-4)31ADA-1	8- 5-75	QTvf	545	13.5	-	-	-	-	-
390700112203001	(C-19-4)31DBB-1	8- 5-75	QTvf	523	14.0	-	-	-	-	-
390700112203101	(C-19-4)31DBB-1	7- 8-75	QTvf	573	13.5	23	110	59	47	2.2
390647112194601	(C-19-4)32CCA-1	8- 5-75	Qal	465	13.0	-	-	-	-	-
391153112232601	(C-19-5)3AAA-1	8- 5-75	Qal	550	15.5	-	-	-	-	-
391134112234601	(C-19-5)3ACD-1	8- 5-75	-	-	16.0	-	-	-	-	-
391117112243601	(C-19-5)4DAD	8- 5-75	-	-	17.0	-	-	-	-	-
391043112220001	(C-19-5)12BAD-1	8- 5-75	-	-	16.0	-	-	-	-	-
390828112223901	(C-19-5)23DCD-1	8- 5-75	Qal	460	17.5	-	-	-	-	-
390617113571601	(C-19-5)35CDD-1	9-10-75	-	-	13.0	21	45	20	22	2.7
390827112220301	(C-19-5)24CCD-1	8- 5-75	-	-	15.0	-	-	-	-	-
390715112213001	(C-19-5)36ACA-1	8- 5-75	-	-	13.5	-	-	-	-	-
390614112164501	(C-20-4)3ADD-1	8- 5-75	-	-	12.0	-	-	-	-	-
390614112193101	(C-20-4)5BDD-1	8- 5-75	-	-	13.0	-	-	-	-	-
390557112194501	(C-20-4)5CCA-1	8- 5-75	QTvf	565	15.0	-	-	-	-	-
390628112201401	(C-20-4)6AAC-1	8- 5-75	QTvf	-	14.0	-	-	-	-	-
390559112202301	(C-20-4)6DBD-1	8- 5-75	QTvf	435	17.0	-	-	-	-	-
390539112225001	(C-20-5)11BAD-1	8- 5-75	Qal	334	17.0	-	-	-	-	-
390523112225001	(C-20-5)11BDD-1	8- 5-75	Qal	387	16.0	-	-	-	-	-
390216112211701	(C-20-5)26DDD-1	8- 5-75	Qal	250	14.0	-	-	-	-	-
390259112240501	(C-20-5)27BAC-1	8- 5-75	QTvf	480	17.0	-	-	-	-	-
390248112235901	(C-20-5)27BDA-1	8- 5-75	QTvf	475	15.0	-	-	-	-	-
390255112243301	(C-20-5)28AAD-1	8- 5-75	-	-	18.0	-	-	-	-	-
390116112255901	(C-21-5)5ABD-1	8- 6-75	QTvf	550	14.5	-	-	-	-	-
390044112261401	(C-21-5)5DBC-1	8- 6-75	QTvf	400	-	-	-	-	-	-
390100112263001	(C-21-5)5BAC-1	8- 6-75	-	-	15.0	-	-	-	-	-
390043112273901	(C-21-5)6CDB-1	8- 6-75	-	-	12.0	-	-	-	-	-
385939112272301	(C-21-5)7CDD-3	7- 8-75	QTvf	-	12.0	27	120	59	130	4.0
385941112265802	(C-21-5)7DDC-3	8- 6-75	QTp	96	13.0	-	-	-	-	-
390010112263101	(C-21-5)8BDC-2	8- 6-75	Qal	407	17.0	-	-	-	-	-
385943112261501	(C-21-5)8CDD-2	8- 5-75	Qal	278	14.5	-	-	-	-	-
385916112261403	(C-21-5)17BDD-3	8- 6-75	QTvf	530	13.5	-	-	-	-	-
385912112264901	(C-21-5)18ADD-1	8- 6-75	QTvf	508	13.0	-	-	-	-	-
385853112264901	(C-21-5)18DDA-1	8- 6-75	QTvf	448	16.0	-	-	-	-	-
385822112264801	(C-21-5)19ADD-1	8- 5-75	QTvf	670	18.5	-	-	-	-	-
385753112273901	(C-21-5)19CCD-3	8- 6-75	-	-	12.5	-	-	-	-	-
385818112264801	(C-21-5)19DAA-1	8- 5-75	Qal	403	17.5	-	-	-	-	-
385805112263101	(C-21-5)20CCA-2	8- 6-75	Qal	631	17.0	-	-	-	-	-
385751112243201	(C-21-5)28AAA-1	8- 6-75	QTvf	510	14.0	-	-	-	-	-
385714112264701	(C-21-5)29CBC-1	7- 8-75	-	-	19.5	20	260	75	250	23
385715112271201	(C-21-5)30DBC-3	7- 8-75	QTvf	787	19.0	20	180	60	170	16
385611112252801	(C-21-5)33CCD-1	8- 6-75	Qal	250	14.5	-	-	-	-	-
390045112281201	(C-21-6)1DDB-1	8-12-75	QTp	105	12.0	27	200	100	180	6.8
385529112245401	(C-22-5)4DCA-1	8- 6-75	Qal	251	15.0	-	-	-	-	-
385544112263601	(C-22-5)5BCD-1	8- 7-75	Qal	350	13.0	-	-	-	-	-
385511112243701	(C-22-5)10BBB-2	7- 8-75	Qal	338	16.0	15	130	37	160	20
385310112255601	(C-22-5)20ADC-1	8- 6-75	Qal	-	12.0	-	-	-	-	-
385307112250601	(C-22-5)21ACD-1	8- 6-75	-	-	13.5	-	-	-	-	-
385245112244101	(C-22-5)21DDA-1	8- 6-75	-	-	14.5	-	-	-	-	-
385303112234801	(C-22-5)22ADC-1	8- 6-75	Qal	155	14.5	13	89	30	98	18
385303112234801	(C-22-5)22ADC-1	8-12-75	Qal	155	14.5	13	82	30	95	18
385317112241801	(C-22-5)22BAC-1	8- 6-75	QTvf	611	14.5	-	-	-	-	-
385230112244601	(C-22-5)28AAD-1	8- 6-75	Qal	354	14.5	-	-	-	-	-
385053112262501	(C-22-5)32CDD-1	8- 6-75	Qal	256	12.0	-	-	-	-	-
385129112244101	(C-22-5)33ADA-1	8- 6-75	-	-	13.5	-	-	-	-	-
385129112245001	(C-22-5)33ADB-1	8- 6-75	-	-	13.0	-	-	-	-	-
385135112250301	(C-22-5)33ABD-1	7- 9-75	-	-	13.0	15	88	17	29	1.8
385053112252401	(C-22-5)33CDD-2	8- 6-75	Qal	270	14.0	-	-	-	-	-
385026112261001	(C-23-5)5ACD-1	8- 6-75	Qal	353	13.0	21	93	32	61	2.8
385028112260201	(C-23-5)5ADC-1	8-12-75	Qal	180	14.5	21	88	31	61	2.6
384950112262401	(C-23-5)8BAD-1	8- 7-75	-	-	13.0	-	-	-	-	-
385015112333601	(C-23-6)5CBC-1	8- 7-75	QTp	162	14.0	-	-	-	-	-
384953112325101	(C-23-6)8ABD-1	8- 7-75	QTp	200	14.5	39	740	290	870	89
384946112321601	(C-23-6)9BCA-1	7- 9-75	QTp	170	16.5	53	620	230	1100	140
384910112321401	(C-23-6)9CCD-1	7- 9-75	QTp	136	15.0	40	640	210	890	91
384849112310701	(C-23-6)15BCA-1	7- 9-75	QTp	145	15.0	44	260	62	490	68
384856112315701	(C-23-6)16BAD-1	8- 7-75	QTp	130	15.0	-	-	-	-	-
384857112315701	(C-23-6)16BAD-1	7- 9-75	QTp	130	15.0	41	490	150	870	95
384829112315901	(C-23-6)16CDA-1	7- 9-75	QTp	205	16.0	44	380	120	640	82
384815112331401	(C-23-6)17CDC-1	8-19-75	QTvf	440	-	-	-	-	-	-
384751112312201	(C-23-6)21ADD-1	8- 7-75	QTvf	445	13.5	-	-	-	-	-
384748112315801	(C-23-6)21BDD-1	7- 9-75	QTvf	415	13.0	40	480	230	620	41

WELL NUMBER (TOWNSHIP, RANGE, SECTION)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
PAVANT VALLEY--Continued Millard County--Continued											
(C-19-4)31ADA-1	-	-	-	-	-	-	-	-	-	1750	-
(C-19-4)31DBB-1	-	-	-	-	-	-	-	-	-	1300	-
(C-19-4)31DBB-1	253	-	76	240	6.0	709	520	310	0.9	1310	-
(C-19-4)32CCA-1	-	-	-	-	-	-	-	-	-	1550	-
(C-19-5)3AAA-1	-	-	-	-	-	-	-	-	-	880	-
(C-19-5)3ACD-1	-	-	-	-	-	-	-	-	-	850	-
(C-19-5)4DAD	-	-	-	-	-	-	-	-	-	1200	-
(C-19-5)12BAD-1	-	-	-	-	-	-	-	-	-	480	-
(C-19-5)23DCD-1	-	-	-	-	-	-	-	-	-	520	-
(C-19-5)35CDD-1	224	0	22	27	-	271	190	11	0.7	490	7.5
(C-19-5)24CCD-1	-	-	-	-	-	-	-	-	-	640	-
(C-19-5)36ACA-1	-	-	-	-	-	-	-	-	-	1950	-
(C-20-4)3ADD	-	-	-	-	-	-	-	-	-	800	-
(C-20-4)5BDD	-	-	-	-	-	-	-	-	-	900	-
(C-20-4)5CCA-1	-	-	-	-	-	-	-	-	-	1300	-
(C-20-4)6AAC-1	-	-	-	-	-	-	-	-	-	1900	-
(C-20-4)6DBD	-	-	-	-	-	-	-	-	-	1600	-
(C-20-5)11BAD-1	-	-	-	-	-	-	-	-	-	1400	-
(C-20-5)11BDD	-	-	-	-	-	-	-	-	-	1700	-
(C-20-5)26DDD	-	-	-	-	-	-	-	-	-	680	-
(C-20-5)27BAC-1	-	-	-	-	-	-	-	-	-	1650	-
(C-20-5)27BDA-1	-	-	-	-	-	-	-	-	-	1300	-
(C-20-5)28AAD-1	-	-	-	-	-	-	-	-	-	1850	-
(C-21-5)5ABD-1	-	-	-	-	-	-	-	-	-	980	-
(C-21-5)5DBC-1	-	-	-	-	-	-	-	-	-	540	-
(C-21-5)5BAC-1	-	-	-	-	-	-	-	-	-	880	-
(C-21-5)6CDB-1	-	-	-	-	-	-	-	-	-	2300	-
(C-21-5)7CDD-3	404	-	210	170	4.9	942	540	210	2.4	1600	-
(C-21-5)7DDC-3	-	-	-	-	-	-	-	-	-	1100	-
(C-21-5)8BDC-1	-	-	-	-	-	-	-	-	-	680	-
(C-21-5)8CDD-1	-	-	-	-	-	-	-	-	-	700	-
(C-21-5)17BDD-3	-	-	-	-	-	-	-	-	-	600	-
(C-21-5)18ADD-1	-	-	-	-	-	-	-	-	-	1100	-
(C-21-5)18DBA-1	-	-	-	-	-	-	-	-	-	-	-
(C-21-5)18DDA-1	-	-	-	-	-	-	-	-	-	650	-
(C-21-5)19ADD-1	-	-	-	-	-	-	-	-	-	1050	-
(C-21-5)19CCD-1	-	-	-	-	-	-	-	-	-	2200	-
(C-21-5)19DAA-1	-	-	-	-	-	-	-	-	-	870	-
(C-21-5)20CCA-1	-	-	-	-	-	-	-	-	-	750	-
(C-21-5)28AAA-1	-	-	-	-	-	-	-	-	-	550	-
(C-21-5)29CBC-1	318	-	660	460	0.83	1910	960	700	3.5	2950	-
(C-21-5)30DBC-3	297	-	400	320	0.68	1320	700	450	2.8	2000	-
(C-21-5)33CCD-1	-	-	-	-	-	-	-	-	-	1050	-
(C-21-6)1DDB-1	440	-	350	420	6.7	1530	910	550	2.6	2600	-
(C-22-5)4DCA-1	-	-	-	-	-	-	-	-	-	1120	-
(C-22-5)5BCD-1	-	-	-	-	-	-	-	-	-	1000	-
(C-22-5)10BBB-1	305	-	270	220	0.96	1010	480	230	3.2	1600	-
(C-22-5)20ADC-1	-	-	-	-	-	-	-	-	-	760	-
(C-22-5)21ACD-1	-	-	-	-	-	-	-	-	-	810	-
(C-22-5)21DDA-1	-	-	-	-	-	-	-	-	-	880	-
(C-22-5)22ADC-1	299	0	75	180	1.2	657	350	100	2.3	1000	7.3
(C-22-5)22ADC-1	297	-	73	180	1.3	644	330	85	2.3	1190	-
(C-22-5)22BAC-1	-	-	-	-	-	-	-	-	-	980	-
(C-22-5)22AAD-1	-	-	-	-	-	-	-	-	-	900	-
(C-22-5)32CDD-1	-	-	-	-	-	-	-	-	-	1050	-
(C-22-5)33ADA-1	-	-	-	-	-	-	-	-	-	370	-
(C-22-5)33ADB-1	-	-	-	-	-	-	-	-	-	640	-
(C-22-5)33ABD-1	228	-	33	92	3.2	403	290	100	0.7	730	-
(C-22-5)33CDD-2	-	-	-	-	-	-	-	-	-	820	-
(C-23-5)5ACD-1	344	0	80	74	2.6	545	360	82	1.4	800	7.3
(C-23-5)5ADC-1	347	-	83	65	2.4	534	350	63	1.4	860	-
(C-23-5)8BAD-1	-	-	-	-	-	-	-	-	-	730	-
(C-23-6)5CBC-1	-	-	-	-	-	-	-	-	-	7000	-
(C-23-6)8ABD-1	349	0	1200	2400	1.6	5810	3000	2800	6.9	8880	6.6
(C-23-6)9BCA-1	413	-	1300	2400	0.57	6050	2500	2200	9.6	8760	-
(C-23-6)9CCD-1	342	-	1200	2100	1.7	5350	2500	2200	7.8	8000	-
(C-23-6)15BCA-1	389	-	500	910	2.7	2540	900	590	7.1	4000	-
(C-23-6)16BAD-1	-	-	-	-	-	-	-	-	-	6000	-
(C-23-6)16BAD-1	404	-	940	1800	1.5	4600	1800	1500	8.8	7500	-
(C-23-6)16CDA-1	379	-	730	1300	2.9	3500	1400	1100	7.3	5800	-
(C-23-6)17CDC-1	-	-	-	-	-	-	-	-	-	4800	-
(C-23-6)21ADD-1	-	-	-	-	-	-	-	-	-	1500	-
(C-23-6)21BDD-1	271	-	670	1800	15	4080	2100	1900	5.8	7000	-

WELL NUMBER (LATITUDE LONGITUDE)	WELL NUMBER (TOWNSHIP, RANGE, SECTION)	DATE OF SAMPLE	GEO- LOGIC UNIT 1/	DEPTH OF WELL (FT)	TEMPER- ATURE (DEG C)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
SEVIER DESERT Juab and Millard County										
394838112451201	(C-12-8)4BAD-1	8-25-75	Qal	250	17.5	-	-	-	-	-
393327112185101	(C-14-4)32DBD-1	7-29-75	-	-	20.5	-	-	-	-	-
393314112223301	(C-14-5)35CDC-1	7-30-75	Qal	305	15.5	35	250	140	450	32
393154112192901	(C-15-4)8CBA-1	8-27-75	Qal	203	14.5	28	250	51	290	9.2
393158112152001	(C-15-4)11ADD-1	7-23-75	QTvf	485	15.0	-	-	-	-	-
393102112194401	(C-15-4)18DAA-1	7-23-75	QTvf	406	16.0	-	-	-	-	-
393010112191101	(C-15-4)20CAA-1	7-29-75	QTvf	1000	20.0	-	-	-	-	-
393854112153201	(C-15-4)26DCC-1	7-23-75	QTvf	660	15.0	-	-	-	-	-
392836112220101	(C-15-5)36BCB-1	7-29-75	-	-	-	-	-	-	-	-
393054112403801	(C-15-7)18CAA-1	7-29-75	QTvf	795	18.5	-	-	-	-	-
392928112382201	(C-15-7)28BAD-1	7-30-75	-	-	18.0	-	-	-	-	-
392822112384001	(C-15-7)33BCD-1	7-29-75	Qal	900	-	-	-	-	-	-
392437112200601	(C-16-4)19DBD-1	7-29-75	Qal	344	15.5	-	-	-	-	-
392344112203801	(C-16-4)30CAC-1	7-29-75	Qal	337	14.0	-	-	-	-	-
392344112200701	(C-16-4)30DBD-1	7-29-75	QTvf	637	13.5	-	-	-	-	-
392316112204001	(C-16-4)31BBB-1	7-29-75	-	-	14.0	-	-	-	-	-
392539112212001	(C-16-5)13DBA-1	7-29-75	-	-	16.0	-	-	-	-	-
392448112455101	(C-16-8)21BCD-1	8-26-75	QTvf	996	27.5	-	-	-	-	-
392445112353201	(C-16-7)24BCA-1	7-29-75	QTvf	855	23.0	-	-	-	-	-
391710112334701	(C-18-6)6ABA-2	7-23-75	Qal	-	27.5	33	8.6	4.5	81	1.7
BEAVER VALLEY Beaver County										
381625112412901	(C-29-7)19BCD-1	6- 5-75	QTvf	-	12.7	-	-	-	-	-
381516112422201	(C-29-8)25CAC-1	6- 5-75	QTvf	-	19.7	-	-	-	-	-
BLUFF AREA San Juan County										
371716109325501	(D-40-22)30BBB-1	9-17-75	JB gc	825	25.0	11	5.3	0.2	190	1.6
373729471091448	(D-38-24)11DBD-1	9-18-75	-	585	20.0	-	-	-	-	-
372548109242501	(D-39-23)5AAC-1	9-18-75	-	310	24.0	-	-	-	-	-
372540109113401	(D-39-25)5ACA-1	9-18-75	-	7621	21.0	-	-	-	-	-
371657109331901	(D-40-21)25ACD-1	9-18-75	-	450	17.0	-	-	-	-	-
MOAB AREA Grand County										
383539109340501	(D-25-21)26DCC-1	3-10-75	Qal	55	11.0	13	85	22	21	2.8
383539109340501	(D-25-21)26DCC-1	9-17-75	Qal	55	23.0	12	82	22	21	3.0
383112109285001	(D-26-22)22DDC-1	9-17-75	Qal	125	15.0	-	-	-	-	-
383109109285501	(D-26-22)27AAA-1	9-17-75	Qal	60	16.0	-	-	-	-	-
382224110424501	(D-28-11)16DAA-1	9-16-75	-	-	15.0	-	-	-	-	-
UPPER SEVIER VALLEY Garfield County										
383140111522001	(C-26-1)23DDB-1	7- 3-75	QTvf	200	11.0	-	-	-	-	-
381440111584001	(C-29-2)35BAD-1	7- 3-75	QTvf	197	12.0	-	-	-	-	-
380920111585001	(C-31-2)23BCD-1	10- 8-75	Qal	90	10.5	-	-	-	-	-
375924112234001	(C-32-5)35BAB-1	7- 1-75	QTvf	456	14.5	-	-	-	-	-
CENTRAL SEVIER VALLEY Sanpete and Sevier Counties										
391230111151001	(C-21-1)25DD-1	7-17-75	-	-	10.5	7.3	30	56	200	3.6
384800112002001	(C-23-2)15DCB-4	7- 8-75	QTvf	75	10.0	-	-	-	-	-
384702112031001	(C-23-2)19DAB-1	7- 8-75	QTvf	310	14.0	-	-	-	-	-
384702112031001	(C-23-2)19DAB-1	10-10-75	QTvf	310	17.0	-	-	-	-	-
384450112034001	(C-24-2)6ABC-1	7- 9-75	QTvf	323	10.0	-	-	-	-	-
SANPETE VALLEY Sanpete County										
393707111383001	(D-14-2)12AAD-1	7-31-75	-	139	11.0	-	-	-	-	-
393750111381201	(D-14-3)6BCD-1	7-31-75	-	253	12.0	-	-	-	-	-

[illegible]

CHEMICAL ANALYSES OF GROUND WATERS IN UTAH--Continued

WELL NUMBER (LATITUDE LONGITUDE)	WELL NUMBER (TOWNSHIP, RANGE, SECTION)	DATE OF SAMPLE	GEO- LOGIC UNIT 1/	DEPTH OF WELL (FT)	TEMPER- ATURE (DEG C)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
SANPETE VALLEY--Continued Sanpete County--Continued										
393739111375901	(D-14-3)6CAC-1	7-31-75	-	-	12.0	-	-	-	-	-
393715111375301	(D-14-3)7ABB-1	7-31-75	-	300	10.5	21	81	24	14	2.3
393658111375401	(D-14-3)7ACC-1	7-31-75	-	81	11.0	-	-	-	-	-
393720111382501	(D-14-3)7BBB-1	7-31-75	-	90	10.0	-	-	-	-	-
393544111370301	(D-14-3)17CCA-1	7-31-75	-	133	11.0	-	-	-	-	-
393623111372401	(D-14-3)18AAB-1	7- 2-75	-	522	10.5	-	-	-	-	-
393545111372801	(D-14-3)18ddb-1	7-31-75	-	-	10.0	-	-	-	-	-
393529111365701	(D-14-3)20BBA-1	7-31-75	-	151	10.0	-	-	-	-	-
393506111371201	(D-14-3)20CBB-1	7-31-75	-	151	11.0	-	-	-	-	-
393654111254201	(D-14-4)12CDD-1	8- 5-75	-	265	10.0	-	-	-	-	-
393229111353701	(D-15-3)4CAA-1	7-31-75	-	110	13.0	-	-	-	-	-
393249111284601	(D-15-4)4BAD-2	8- 1-75	-	360	11.0	-	-	-	-	-
393241111290501	(D-15-4)4CBA-1	8- 1-75	-	-	10.5	-	-	-	-	-
393220111282701	(D-15-4)4DDA-1	8- 1-75	-	245	10.5	-	-	-	-	-
393157111285801	(D-15-4)9BDB-1	8- 1-75	-	-	10.0	-	-	-	-	-
393113111294501	(D-15-4)17ABB-1	8- 1-75	-	-	10.0	-	-	-	-	-
392253111394101	(D-16-2)35ACD-2	8- 1-75	-	-	14.0	24	69	78	85	2.3
392046111362501	(D-17-3)8DCC-1	8- 5-75	-	-	10.5	-	-	-	-	-
392030111362501	(D-17-3)17BAD	8- 5-75	-	-	10.5	-	-	-	-	-
392005111364001	(D-17-3)17CBD	8- 5-75	-	-	11.5	-	-	-	-	-
391904111363601	(D-17-3)20CDB	8- 5-75	-	390	11.5	-	-	-	-	-
391848111370101	(D-17-3)30AAA-1	8- 5-75	-	200	11.5	-	-	-	-	-
391640111384101	(D-18-2)1CAA-1	8- 6-75	-	-	10.5	-	-	-	-	-
391626111384701	(D-18-2)1CDB-1	8- 6-75	-	300	10.5	-	-	-	-	-
391634111380701	(D-18-2)1DAA-2	8- 6-75	-	233	11.0	16	70	61	33	1.8
391641111391401	(D-18-2)2ADD-1	8- 6-75	-	-	10.5	-	-	-	-	-
391550111384701	(D-18-2)12BDC-1	8- 6-75	-	250	11.5	-	-	-	-	-
391518111391301	(D-18-2)14AAA-1	8- 6-75	-	-	13.0	16	33	23	290	8.0
JUAB VALLEY Juab County										
394545111531001	(C-12-1)24BAA-1	7-16-75	Qal	66	13.0	29	98	38	110	4.7
393527111541801	(C-14-1)14CAC-1	7-15-75	-	120	14.0	11	110	150	240	3.8
393313111524001	(C-14-1)36ACA-1	7-15-75	-	-	11.0	-	-	-	-	-
393141111535901	(C-15-1)11BAA-1	7-15-75	-	-	13.0	-	-	-	-	-
393140111544501	(C-15-1)10AAB-1	7-15-75	-	-	13.5	-	-	-	-	-
393106111551001	(C-15-1)10CAD-1	7-15-75	-	-	13.5	-	-	-	-	-
393235111525301	(C-15-1)1BAA	7-15-75	-	-	12.0	-	-	-	-	-
395207111502101	(D-11-1)9CCB-1	8- 4-75	-	304	12.0	-	-	-	-	-
395059111501901	(D-11-1)21BBB-1	8- 4-75	-	361	12.0	-	-	-	-	-
394518111515801	(D-12-1)19DBB-1	7-16-75	Qal	248	13.0	25	81	32	130	3.9
394226111502401	(D-13-1)5DDB-1	7-16-75	-	344	11.0	-	-	-	-	-
394224111502601	(D-13-1)5DDB-2	7-16-75	Qal	352	11.0	25	160	23	160	4.2
394203111522101	(D-13-1)7BBD-2	7-16-75	-	158	13.0	-	-	-	-	-
394137111515001	(D-13-1)7DBC-1	7-16-75	-	210	11.0	25	110	51	100	3.3
394132111512001	(D-13-1)7DDA-1	7-16-75	Qal	145	11.0	27	150	43	180	4.0
394137111515001	(D-13-1)7DDC-1	7-16-75	-	-	11.0	-	-	-	-	-
394100111504501	(D-13-1)17BDD-1	7-15-75	-	90	14.0	42	190	65	230	9.6
393400111511501	(D-14-1)30ADD-1	7-15-75	-	-	12.0	-	-	-	-	-
393315111511601	(D-14-1)31ADA-1	7-15-75	-	-	13.0	-	-	-	-	-
393307111521201	(D-14-1)31BCC-1	7-15-75	-	-	12.5	-	-	-	-	-
393301111512501	(D-14-1)31DAB-1	7-15-75	-	-	13.0	13	160	57	48	2.2
393207111515501	(D-15-1)6CAB-1	7-15-75	-	-	12.5	-	-	-	-	-
SOUTHERN UTAH VALLEY Utah County										
400941111352701	(D-7-3)34CDB-1	8-18-75	Qd	455	16.5	6.8	47	18	3.6	0.5
GOSHEN VALLEY Utah County										
400315111572001	(C-9-1)4CCC-1	8-21-75	-	-	14.5	58	40	15	92	8.1
395855111561201	(C-9-1)34CCC-1	8-21-75	-	655	17.5	65	110	59	93	14
395704111572501	(C-10-1)17AAA-1	8-21-75	Qd	517	18.5	56	210	73	55	14
395327111585500	(C-11-1)6ABC-1	8-21-75	-	682	18.0	57	62	18	28	7.2

WELL NUMBER (TOWNSHIP, RANGE, SECTION)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
SANPETE VALLEY--Continued Sanpete County--Continued											
(D-14-3)6CAC-1	-	-	-	-	-	-	-	-	-	540	-
(D-14-3)7ABB-1	325	-	17	19	2.2	348	300	35	0.4	530	-
(D-14-3)7ACC-1	-	-	-	-	-	-	-	-	-	-	-
(D-14-3)7BBB-1	-	-	-	-	-	-	-	-	-	490	-
(D-14-3)17CCA-1	-	-	-	-	-	-	-	-	-	590	-
(D-14-3)18AAB-1	-	-	-	-	-	-	-	-	-	560	-
(D-14-3)18ddb-1	-	-	-	-	-	-	-	-	-	580	-
(D-14-3)20BBA-1	-	-	-	-	-	-	-	-	-	600	-
(D-14-3)20CBB-1	-	-	-	-	-	-	-	-	-	650	-
(D-14-4)12CDD-1	-	-	-	-	-	-	-	-	-	-	-
(D-15-3)4CAA-1	-	-	-	-	-	-	-	-	-	610	-
(D-15-4)4BAD-2	-	-	-	-	-	-	-	-	-	500	-
(D-15-4)4CBA-1	-	-	-	-	-	-	-	-	-	580	-
(D-15-4)4DDA-1	-	-	-	-	-	-	-	-	-	590	-
(D-15-4)9BDB-1	-	-	-	-	-	-	-	-	-	520	-
(D-15-4)17ABB-1	-	-	-	-	-	-	-	-	-	520	-
(D-16-2)35ACD-2	473	-	140	76	1.9	716	490	110	1.7	1000	-
(D-17-3)8DCC-1	-	-	-	-	-	-	-	-	-	720	-
(D-17-3)17BAD	-	-	-	-	-	-	-	-	-	700	-
(D-17-3)17CBD	-	-	-	-	-	-	-	-	-	700	-
(D-17-3)20CDB	-	-	-	-	-	-	-	-	-	710	-
(D-17-3)30AAA-1	-	-	-	-	-	-	-	-	-	800	-
(D-18-2)1CAA-1	-	-	-	-	-	-	-	-	-	790	-
(D-18-2)1CDB-1	-	-	-	-	-	-	-	-	-	790	-
(D-18-2)1DAA-2	417	-	99	21	5.2	531	430	84	0.7	830	-
(D-18-2)2ADD-1	-	-	-	-	-	-	-	-	-	830	-
(D-18-2)12BDC-1	-	-	-	-	-	-	-	-	-	760	-
(D-18-2)14AAA-1	734	-	42	140	0.26	917	180	0	9.5	1400	-
JUAB VALLEY--Continued Juab County--Continued											
(C-12-1)24BAA-1	276	-	100	190	6.4	735	400	170	2.4	1300	-
(C-14-1)14CAC-1	167	-	410	610	6.0	1640	890	760	3.5	2900	-
(C-14-1)36ACA-1	-	-	-	-	-	-	-	-	-	1050	-
(C-15-1)11BAA-1	-	-	-	-	-	-	-	-	-	1300	-
(C-15-1)10AAB-1	-	-	-	-	-	-	-	-	-	1550	-
(C-15-1)10CAD-1	-	-	-	-	-	-	-	-	-	1400	-
(C-15-1)1BAA	-	-	-	-	-	-	-	-	-	1100	-
(D-11-1)9CCB-1	-	-	-	-	-	-	-	-	-	725	-
(D-11-1)21BBB-1	-	-	-	-	-	-	-	-	-	540	-
(D-12-1)19DBB-1	243	-	91	230	1.0	718	330	130	3.1	1250	-
(D-13-1)5DDB-1	-	-	-	-	-	-	-	-	-	1550	-
(D-13-1)5DDB-2	475	-	110	250	4.7	988	490	100	3.1	1550	-
(D-13-1)7BBD-2	-	-	-	-	-	-	-	-	-	1700	-
(D-13-1)7DBC-1	275	-	85	240	11	799	480	260	2.0	1400	-
(D-13-1)7DDA-1	462	-	120	280	7.0	1060	550	170	3.3	1800	-
(D-13-1)7DDC-1	-	-	-	-	-	-	-	-	-	1400	-
(D-13-1)17BDD-1	504	-	220	310	42	1500	740	330	3.7	2400	-
(D-14-1)30ADD-1	-	-	-	-	-	-	-	-	-	800	-
(D-14-1)31ADA-1	-	-	-	-	-	-	-	-	-	1300	-
(D-14-1)31BCC-1	-	-	-	-	-	-	-	-	-	1100	-
(D-14-1)31DAB-1	343	-	340	55	2.7	857	630	350	0.8	1300	-
(D-15-1)6CAB-1	-	-	-	-	-	-	-	-	-	1600	-
SOUTHERN UTAH VALLEY--Continued Utah County--Continued											
(D-7-3)34CDB-1	218	0	14	3.3	0.65	204	190	13	0.1	350	6.7
GOSHEN VALLEY--Continued Utah County--Continued											
(C-9-1)4CCC-1	180	0	59	110	1.3	4.77	160	14	3.2	750	6.8
(C-9-1)34CCC-1	243	0	100	300	0.75	865	520	320	1.8	1400	6.6
(C-10-1)17AAA-1	131	0	330	260	42	1250	830	720	0.8	1800	6.8
(C-11-1)6ABC-1	194	0	35	60	2.9	376	230	70	0.8	580	7.0

CHEMICAL ANALYSES OF GROUND WATERS IN UTAH--Continued

WELL NUMBER (LATITUDE LONGITUDE)	WELL NUMBER (TOWNSHIP, RANGE, SECTION)	DATE OF SAMPLE	GEO- LOGIC UNIT 1/	DEPTH OF WELL (FT)	TEMPER- ATURE (DEG C)	DIS- SOLVED SILICA (SIO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
CEDAR VALLEY Utah County										
401702111594001	(C-6-1)19ACC-1	6-16-75	QTvf	-	22.5	-	-	-	-	-
401747112005101	(C-6-2)13CAA-1	6-17-75	-	525	16.0	-	-	-	-	-
401740112021201	(C-6-2)14CAC-1	6-17-75	-	1250	16.0	-	-	-	-	-
401818112042001	(C-6-2)16BAA-1	6-17-75	-	505	11.5	-	-	-	-	-
401810112060001	(C-6-2)17BBC-1	6-17-75	-	-	11.5	-	-	-	-	-
401734112052601	(C-6-2)17DCB-1	6-17-75	-	-	11.5	-	-	-	-	-
401746112001001	(C-6-1)18CBC-1	6-16-75	-	-	30.0	21	68	26	40	3.9
401607112023401	(C-6-2)26CBB-1	6-16-75	-	505	11.5	55	38	31	17	3.4
401610112053101	(C-6-2)29BDD-1	6-17-75	-	150	11.0	11	54	18	9.0	0.9
JORDAN VALLEY Salt Lake County										
403049112001601	(C-3-1)31CBB	8- 4-75	QTvf	400	14.0	-	-	-	-	-
403036112001501	(C-3-1)31CCB-1	8- 4-75	QTvf	480	14.0	-	-	-	-	-
403036111583301	(C-3-1)32DCB	8- 4-75	QTvf	447	12.5	-	-	-	-	-
403121112023301	(C-3-2)27DDD-1	8- 4-75	QTvf	-	12.0	-	-	-	-	-
403001111592401	(C-4-1)6ADC-1	8- 4-75	Qal	355	14.0	-	-	-	-	-
RUSH VALLEY Tooele County										
400957112255101	(C-7-5)32BDD-1	7- 7-75	QTvf	360	12.0	52	270	260	39	14
TOOELE VALLEY Tooele County										
403752112173601	(C-2-4)21GDC-1	6-24-75	QTvf	-	15.0	-	-	-	-	-
403735112172801	(C-2-4)22CCB-4	6-24-75	-	96	13.0	20	170	73	230	9.0
403702112172301	(C-2-4)27BCD-1	6-24-75	-	-	15.0	-	-	-	-	-
403716112174801	(C-2-4)28AAC-1	6-24-75	-	185	14.5	-	-	-	-	-
403632112181801	(C-2-4)28CDD-1	6-24-75	-	-	15.5	-	-	-	-	-
403646112174101	(C-2-4)28DAD-2	6-24-75	-	-	14.5	-	-	-	-	-
403606112195401	(C-2-4)31ADD-6	6-24-75	-	271	17.0	-	-	-	-	-
403605112203901	(C-2-4)31BDC-3	7- 7-75	-	352	17.5	-	-	-	-	-
403550112203501	(C-2-4)31CDA-2	7- 7-75	-	500	17.5	-	-	-	-	-
403556112195401	(C-2-4)31DAD-2	6-24-75	-	727	16.5	-	-	-	-	-
403557112193401	(C-2-4)32CAC-1	7- 7-75	-	500	17.0	-	-	-	-	-
403557112193701	(C-2-4)32CBD-1	7- 7-75	-	-	16.5	-	-	-	-	-
403627112174701	(C-2-4)33AAB-1	9- 3-75	-	403	15.5	-	-	-	-	-
403608112174301	(C-2-4)33ADD-1	6-25-75	-	165	15.0	-	-	-	-	-
403617112184002	(C-2-4)33BCB-3	7- 7-75	-	-	14.0	-	-	-	-	-
403630112183901	(C-2-4)33BBB-2	7- 7-75	-	-	14.5	-	-	-	-	-
403607112182201	(C-2-4)33BDC-1	7- 7-75	-	-	14.5	-	-	-	-	-
403904112265701	(C-2-5)7DDD-2	6-25-75	-	400	15.0	-	-	-	-	-
403910112264801	(C-2-5)7DDD-3	6-25-75	-	-	15.5	-	-	-	-	-
403626112271801	(C-2-5)30DCG-1	9- 4-75	-	510	14.0	-	-	-	-	-
403550112243201	(C-2-5)33DAD-3	7- 7-75	QTvf	400	21.5	28	120	54	300	8.9
403537112244501	(C-2-5)33DCD-1	7- 8-75	-	285	19.0	-	-	-	-	-
403611112241201	(C-2-5)34BCA-3	6-25-75	-	320	22.0	-	-	-	-	-
403606112221201	(C-2-5)35ADD-1	7- 7-75	-	513	16.0	-	-	-	-	-
403559112224601	(C-2-5)35CAA-1	6-25-75	-	-	19.0	-	-	-	-	-
403608112211601	(C-2-5)36ADC-1	6-24-75	-	442	18.0	-	-	-	-	-
403605112214201	(C-2-5)36BDD-1	7- 7-75	-	445	19.0	-	-	-	-	-
403552112211701	(C-2-5)36DAC-1	6-24-75	-	-	17.5	-	-	-	-	-
403802112301201	(C-2-6)23CBB-1	7- 8-75	QTvf	210	20.0	52	33	11	180	19
403718112295601	(C-2-6)23CDC-2	7- 8-75	-	400	16.5	-	-	-	-	-
403639112291901	(C-2-6)26DAC-1	6-25-75	-	246	13.5	-	-	-	-	-
403624112290101	(C-2-6)36BBB-1	6-25-75	-	141	12.0	-	-	-	-	-
403624112290101	(C-2-6)36BBB-1	6-25-75	-	141	12.0	-	-	-	-	-
403447112184401	(C-3-4)8AAA-1	7- 7-75	-	-	20.0	-	-	-	-	-
40353311226101	(C-3-5)4BBB-2	6-25-75	QTvf	410	16.0	21	90	32	180	3.5
403533112255701	(C-3-5)5ABA-1	7- 8-75	-	350	14.0	-	-	-	-	-
403429112272001	(C-3-5)7ABC-1	7- 8-75	-	390	12.5	-	-	-	-	-
403451112271801	(C-3-5)7DCC-1	7- 8-75	QTvf	395	14.0	19	60	15	23	1.6
SKULL VALLEY Tooele County										
404118112393201	(C-1-7)32BDD-1	7-24-75	-	130	-	-	-	-	-	-
403128112453501	(C-3-8)28CBC-1	7-24-75	-	-	16.0	19	41	12	45	3.0
403006112442201	(C-4-8)3BCA	7-24-75	-	-	16.0	-	-	-	-	-

CHEMICAL ANALYSES OF GROUND WATERS IN UTAH--Continued

WELL NUMBER (LATITUDE LONGITUDE)	WELL NUMBER (TOWNSHIP, RANGE, SECTION)	DATE OF SAMPLE	GEO- LOGIC UNIT 1/	DEPTH OF WELL (FT)	TEMPER- ATURE (DEG C)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
SKULL VALLEY--Continued Tooele County--Continued										
402032112441601	(C-5-8)34BCB	7-24-75	QTvf	-	15.5	-	-	-	-	-
401815112430601	(C-6-8)11CDB	7-24-75	-	-	15.0	-	-	-	-	-
401835112422701	(C-6-8)11DAA	7-24-75	-	-	15.0	-	-	-	-	-
SNAKE VALLEY Tooele, Juab and Millard County										
395633113584301	(C-10-19)22BCD-1	7-22-75	QTvf	130	13.0	24	46	1.8	30	1.5
395608113583301	(C-10-19)22CDC	7-22-75	-	-	15.0	-	-	-	-	-
395405113431201	(C-11-17)2AAB-1	7-22-75	-	-	15.0	-	-	-	-	-
395340113431201	(C-11-17)11AAA	8-11-75	QTvf	-	16.0	19	37	8.4	59	2.2
395300113420001	(C-11-17)12AAA	8-11-75	-	-	16.0	-	-	-	-	-
394133113493901	(C-13-18)13CAG-1	7-22-75	-	-	19.0	-	-	-	-	-
393700113513901	(C-14-18)3CDD-2	7-22-75	-	-	13.0	-	-	-	-	-
392135113585501	(C-17-19)4ADD-1	7-22-75	QTvf	640	17.0	-	-	-	-	-
391324114000001	(C-18-19)20DDD-1	7-22-75	QTvf	90	21.0	-	-	-	-	-
390922113571101	(C-19-19)14BDD	7-22-75	-	-	13.0	-	-	-	-	-
390625113571401	(C-19-19)35CDA-1	7-22-75	-	-	13.5	-	-	-	-	-
390617113571601	(C-19-19)35CDD-1	7-22-75	-	-	13.0	-	-	-	-	-
390629113575801	(C-19-19)34DAC	7-22-75	-	-	13.0	-	-	-	-	-
390617113571901	(C-19-19)35DCD-1	7-22-75	-	-	12.0	-	-	-	-	-
390430114021201	(C-20-19)7CCC-1	7-22-75	-	-	16.0	-	-	-	-	-
390415113571001	(C-20-19)14BAD-1	7-22-75	-	-	13.5	-	-	-	-	-
390416113573801	(C-20-19)14BBC-1	7-22-75	-	-	13.0	21	42	18	26	1.7
390337113584401	(C-20-19)15CCC-1	7-22-75	-	-	13.0	-	-	-	-	-
385650114010601	(C-21-19)31ACD-1	7-22-75	-	-	11.0	-	-	-	-	-
385644114012301	(C-21-19)31DBC-1	9-10-75	-	175	12.0	16	58	28	19	1.6
385615114013801	(C-22-19)6BAC-1	7-22-75	QTvf	167	11.0	-	-	-	-	-
385623114021501	(C-22-20)1ABA	9-10-75	-	-	13.0	-	-	-	-	-
384818114002801	(C-23-19)20BAC-1	7-22-75	QTvf	40	13.0	48	34	49	120	3.8
EAST SHORE AREA Box Elder, Davis, and Weber Counties										
405535111525101	(A-2-1)7ABA-4	8-18-75	QTvf	450	16.5	-	-	-	-	-
405451111540801	(B-2-1)24BAD-3	8-18-75	QTvf	386	16.5	-	-	-	-	-
405150111555001	(B-2-1)34ADD-2	8-18-75	QTvf	410	19.0	16	150	47	420	7.7
405959111564101	(B-3-1)15BAC-1	8-18-75	QTvf	985	25.0	-	-	-	-	-
400340112030001	(B-4-2)27ABA-1	8-18-75	QTvf	304	13.5	32	18	3.8	130	6.4
411153112064601	(B-5-2)6BDD-3	8-18-75	QTvf	609	17.0	-	-	-	-	-
411153112064601	(B-5-2)6BDD-4	8-18-75	QTvf	303	15.5	-	-	-	-	-
411726111565301	(B-6-1)4ADA-1	8-19-75	QTvf	69	23.0	-	-	-	-	-
411400112033001	(B-6-2)27BBA-2	8-19-75	QTvf	536	17.0	23	98	24	110	15
412011112041401	(B-7-2)16DCD-2	8- 9-75	QTvf	1176	26.0	-	-	-	-	-
411824112060101	(B-7-2)32BBB-1	8-19-75	QTvf	546	18.5	16	75	43	330	23
411821112034601	(B-7-2)34BBB-2	8-19-75	QTvf	840	18.0	22	93	32	180	6.1
411810112131801	(B-7-3)31AAC-2	8-19-75	QTvf	920	39.5	54	52	10	280	25
412405112022501	(B-8-2)26BCD-1	8-19-75	QTvf	118	12.5	-	-	-	-	-
413057112023901	(B-9-2)15DAA-1	8-19-75	QTvf	465	16.5	-	-	-	-	-
GROUSE CREEK VALLEY Box Elder County										
413637113545401	(B-10-18)4DCC-1	7-16-75	QTvf	-	12.5	-	-	-	-	-
413452113543701	(B-10-18)21AAB-1	7-16-75	-	62	11.0	-	-	-	-	-
413452113544401	(B-10-18)21ABA-1	7-21-75	-	-	11.0	-	-	-	-	-
413300113543001	(B-10-18)33AAA-1	7-16-75	-	84	15.0	41	110	25	65	7.4
413306113543801	(B-10-18)33AAB-1	7-21-75	-	92	12.0	-	-	-	-	-
CURLEW VALLEY Box Elder County										
414745113063901	(B-12-11)4BCC-1	7-21-75	-	230	17.0	-	-	-	-	-
414735113064501	(B-12-11)4CCB-1	7-21-75	-	-	-	-	-	-	-	-
414813113074801	(B-12-11)5BBA-1	7-21-75	-	-	15.0	-	-	-	-	-
414813113075401	(B-12-11)5BBB-1	7-21-75	-	240	14.0	-	-	-	-	-
414752113073601	(B-12-11)5BDC-1	7-21-75	-	190	15.0	21	250	63	110	9.7
414808113080401	(B-12-11)6AAB-1	7-21-75	-	330	15.0	-	-	-	-	-
414813113082901	(B-12-11)6ABB-1	7-21-75	-	278	14.0	-	-	-	-	-
414721113072601	(B-12-11)8BAA-1	7-21-75	-	320	14.0	-	-	-	-	-

WELL NUMBER (TOWNSHIP, RANGE, SECTION)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
SKULL VALLEY--Continued Tooele County--Continued											
(C-5-8)34BCB	-	-	-	-	-	-	-	-	-	5000	-
(C-6-8)11CDB	-	-	-	-	-	-	-	-	-	-	-
(C-6-8)11DAA	-	-	-	-	-	-	-	-	-	2700	-
SNAKE VALLEY--Continued Tooele, Juab and Millard County--Continued											
(C-10-19)22BCD-1	174	0	14	29	1.8	250	160	17	1.0	370	7.2
(C-10-19)22CDC	-	-	-	-	-	-	-	-	-	225	-
(C-11-17)2AAB-1	-	-	-	-	-	-	-	-	-	680	-
(C-11-17)11AAA	210	0	14	43	0.51	289	130	0	2.3	520	7.5
(C-11-17)12AAA	-	-	-	-	-	-	-	-	-	600	-
(C-13-18)13CAC-1	-	-	-	-	-	-	-	-	-	150	-
(C-14-18)3CDD-2	-	-	-	-	-	-	-	-	-	150	-
(C-17-19)4ADD-1	-	-	-	-	-	-	-	-	-	375	-
(C-18-19)20DDD-1	-	-	-	-	-	-	-	-	-	325	-
(C-19-19)14BDD	-	-	-	-	-	-	-	-	-	575	-
(C-19-19)35CDA-1	-	-	-	-	-	-	-	-	-	580	-
(C-19-19)35CDD-1	-	-	-	-	-	-	-	-	-	490	-
(C-19-19)34DAC	-	-	-	-	-	-	-	-	-	450	-
(C-19-19)35DCD-1	-	-	-	-	-	-	-	-	-	550	-
(C-20-19)7GCC-1	-	-	-	-	-	-	-	-	-	350	-
(C-20-19)14BAD-1	-	-	-	-	-	-	-	-	-	375	-
(C-20-19)14BBC-1	188	0	21	35	0.06	258	180	25	0.8	400	7.5
(C-20-19)15CCC-1	-	-	-	-	-	-	-	-	-	350	-
(C-21-19)31ACD-1	-	-	-	-	-	-	-	-	-	610	-
(C-21-19)31DBC-1	298	0	19	20	-	309	260	16	0.5	560	7.3
(C-22-19)6BAC-1	-	-	-	-	-	-	-	-	-	500	-
(C-22-20)1ABA	-	-	-	-	-	-	-	-	-	380	-
(C-23-19)20BAC-1	364	0	95	94	0.64	628	290	0	3.1	900	7.3
EAST SHORE AREA--Continued Box Elder, Davis, and Weber Counties--Continued											
(A-2-1)7ABA-4	-	-	-	-	-	-	-	-	-	290	-
(B-2-1)24BAD-3	-	-	-	-	-	-	-	-	-	480	-
(B-2-1)34ADD-2	130	0	37	930	0.43	1670	570	460	7.7	3600	7.6
(B-3-1)15BAC	-	-	-	-	-	-	-	-	-	420	-
(B-4-2)27ABA-1	330	-	2.3	49	0.01	406	61	0	7.3	700	-
(B-5-2)6BDD-3	-	-	-	-	-	-	-	-	-	390	-
(B-5-2)6BDD-4	-	-	-	-	-	-	-	-	-	490	-
(B-6-1)4ADA-1	-	-	-	-	-	-	-	-	-	400	-
(B-6-2)27BBA-2	189	0	1.9	300	0.01	665	340	190	2.6	1300	7.8
(B-7-2)16DCD-2	-	-	-	-	-	-	-	-	-	350	-
(B-7-2)32BBB-1	161	0	2.3	710	0.05	1280	360	230	7.5	2600	7.8
(B-7-2)34BBB-2	189	0	1.4	420	0.00	848	360	210	4.1	1750	7.7
(B-7-3)31AAC-2	343	0	2.4	380	0.01	974	170	0	9.3	1850	7.5
(B-8-2)26BCD-1	-	-	-	-	-	-	-	-	-	500	-
(B-9-2)15DAA-1	-	-	-	-	-	-	-	-	-	650	-
GROUSE CREEK VALLEY--Continued Box Elder County--Continued											
(B-10-18)4DCC-1	-	-	-	-	-	-	-	-	-	1070	-
(B-10-18)21AAB-1	-	-	-	-	-	-	-	-	-	950	-
(B-10-18)21ABA-1	-	-	-	-	-	-	-	-	-	950	-
(B-10-18)33AAA-1	294	0	89	120	1.2	608	380	140	1.5	870	7.4
(B-10-18)33AAB-1	-	-	-	-	-	-	-	-	-	1300	-
CURLEW VALLEY--Continued Box Elder County--Continued											
(B-12-11)4BCC-1	-	-	-	-	-	-	-	-	-	2100	-
(B-12-11)4CCB-1	-	-	-	-	-	-	-	-	-	6000	-
(B-12-11)5BBA-1	-	-	-	-	-	-	-	-	-	2100	-
(B-12-11)5BBB-1	-	-	-	-	-	-	-	-	-	2100	-
(B-12-11)5BDC-1	245	0	67	590	4.8	1250	880	680	1.6	2100	7.5
(B-12-11)6AAB-1	-	-	-	-	-	-	-	-	-	1150	-
(B-12-11)6ABB	-	-	-	-	-	-	-	-	-	550	-
(B-12-11)8BAA-1	-	-	-	-	-	-	-	-	-	2000	-

CHEMICAL ANALYSES OF GROUND WATERS IN UTAH--Continued

WELL NUMBER (LATITUDE LONGITUDE)	WELL NUMBER (TOWNSHIP, RANGE, SECTION)	DATE OF SAMPLE	GEO- LOGIC UNIT 1/	DEPTH OF WELL (FT)	TEMPER- ATURE (DEG C)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
CURLEW VALLEY--Continued Box Elder County--Continued										
414858113121901	(B-13-12)34BAC	7-21-75	-	-	17.0	-	-	-	-	-
415828112472501	(B-14-8)6ACD-1	7- 1-75	-	-	20.5	-	-	-	-	-
415825112470501	(B-14-8)6ADD-1	7- 1-75	-	-	20.0	-	-	-	-	-
415802112485101	(B-14-9)1CDD-1	7- 2-75	-	460	17.0	-	-	-	-	-
415850112525001	(B-14-9)4BBB-1	7-19-75	-	350	21.0	-	-	-	-	-
415844112525201	(B-14-9)4BBB-2	7- 2-75	-	375	22.5	-	-	-	-	-
415800112525301	(B-14-9)4CCC-1	7- 2-75	-	360	21.0	-	-	-	-	-
415847112532901	(B-14-9)5ABB-1	7-15-75	-	405	19.0	-	-	-	-	-
415847112532901	(B-14-9)5BAA-1	5-19-75]	-	-	18.0	-	-	-	-	-
415637112544101	(B-14-9)18BDD-1	7-15-75	-	400	17.5	-	-	-	-	-
415636112570101	(B-14-10)14BDD-1	7-15-75	-	-	17.5	-	-	-	-	-
415622112573601	(B-14-10)15DDA-1	7-15-75	-	550	18.0	-	-	-	-	-
415850112481201	(B-15-8)31CCC-1	7- 1-75	-	400	21.0	20	92	44	130	4.7
415950112505501	(B-15-9)28CBB-1	7- 2-75	QTvf	-	24.0	69	410	120	470	40
415955112540301	(B-15-9)29CBB-1	7-15-75	-	407	22.0	-	-	-	-	-
415927112543801	(B-15-9)31ABC-1	7-15-75	-	404	17.0	-	-	-	-	-
415941112495801	(B-15-9)35ABB-1	7- 2-75	-	255	23.0	-	-	-	-	-
415928112484801	(B-15-9)36CAD-1	7- 1-75	-	-	21.0	-	-	-	-	-
BLUE CREEK VALLEY Box Elder County										
414900112271701	(B-13-5)31DAA-1	6-30-75	-	405	19.5	76	88	43	220	11
415320112290901	(B-13-6)1DBB-1	6-30-75	-	704	19.5	60	81	18	35	10
415721112262301	(B-14-5)8DDD-1	6-30-75	-	105	12.0	37	100	14	75	1.7
WENDOVER AREA Tooele County										
405951113584301	(B-3-19)1CCC-1	7-22-75	-	-	16.0	12	30	10	24	3.4
LOWER BEAR RIVER Box Elder County										
414345112061901	(B-12-2)31DDA-2	7-29-75	-	-	13.5	11	49	23	92	5.8
414454112173101	(B-12-4)27DBD-1	7-29-75	-	478	16.5	-	-	-	-	-
414406112173601	(B-12-4)34BBB-1	7-29-75	-	306	19.5	22	100	50	160	5.0
414339112173401	(B-12-4)34CBD-1	7-29-75	-	292	18.5	22	110	46	150	4.6
CACHE VALLEY Cache County										
414216111511001	(A-11-1)8DAA-3	7-31-75	QTvf	85	10.5	-	-	-	-	-
415020111520401	(A-13-1)29BCD-1	7-31-75	QTvf	334	12.0	-	-	-	-	-
BEAR LAKE VALLEY Rich County										
415048111194001	(A-13-6)30BBB-1	7-25-75	-	-	12.0	29	56	19	7.5	1.6
UINTAH BASIN Uintah County										
402726109582601	U(B-1-1)27ADA-1	8-18-75	Qd	190	11.5	9.5	30	6.3	3.5	0.8
402402110061401	U(C-1-2)15BBC-1	8-15-75	-	100	11.0	8.0	48	25	13	2.8
401811109581701	U(C-2-1)14CCC-2	8-15-75	-	560	16.0	6.3	62	25	2500	9.8
401809109583601	U(C-2-1)15DDC-1	8-15-75	-	560	24.0	8.3	1.4	0.3	220	0.7
403116109360601	(D-3-21)30DCD-1	8-22-75	JR gc	138	14.5	6.8	4.1	1.4	130	3.5

1/ Qd, Quaternary (upper Pleistocene) deposits; Qal, Quaternary alluvium; QTvf, Quaternary and Tertiary valley-fill deposits; Glen Canyon Group.

CHEMICAL ANALYSES OF GROUND WATERS IN UTAH--Continued

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WELL NUMBER (TOWNSHIP, RANGE, SECTION)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
CURLEW VALLEY--Continued Box Elder County--Continued											
(B-13-12)34BAC	-	-	-	-	-	-	-	-	-	600	-
(B-14-8)6ACD-1	-	-	-	-	-	-	-	-	-	1500	-
(B-14-8)6ADD-1	-	-	-	-	-	-	-	-	-	1500	-
(B-14-9)1CDD-1	-	-	-	-	-	-	-	-	-	1420	-
(B-14-9)4BBB-1	-	-	-	-	-	-	-	-	-	6000	-
(B-14-9)4BBB-2	-	-	-	-	-	-	-	-	-	6000	-
(B-14-9)4CCC-1	-	-	-	-	-	-	-	-	-	3800	-
(B-14-9)5ABB-1	-	-	-	-	-	-	-	-	-	980	-
(B-14-9)5BAA-1	-	-	-	-	-	-	-	-	-	1080	-
(B-14-9)18BDD-1	-	-	-	-	-	-	-	-	-	1200	-
(B-14-10)14BDD-1	-	-	-	-	-	-	-	-	-	720	-
(B-14-10)15DDA-1	-	-	-	-	-	-	-	-	-	680	-
(B-15-8)31CCC-1	167	0	27	350	0.42	752	410	270	2.8	1380	6.9
(B-15-9)28CBB-1	136	0	24.0	1600	11	2930	1500	1400	5.3	4500	7.1
(B-15-9)29CBB-1	-	-	-	-	-	-	-	-	-	3700	-
(B-15-9)31ACB-1	-	-	-	-	-	-	-	-	-	590	-
(B-15-9)35ABB-1	-	-	-	-	-	-	-	-	-	2900	-
(B-15-9)36DBC-1	-	-	-	-	-	-	-	-	-	1400	-
BLUE CREEK VALLEY--Continued Box Elder County--Continued											
(B-13-5)31DAA-1	342	0	46	390	0.11	1050	400	120	4.8	1700	7.8
(B-13-6)1DBB-1	155	0	19	140	2.7	452	280	150	0.9	700	7.5
(B-14-5)8DDD-1	326	0	40	31	32	602	310	40	1.9	840	7.2
WENDOVER AREA--Continued Tooele County--Continued											
(B-3-19)1CCC-1	102	0	15	44	0.22	190	120	32	1.0	320	7.6
LOWER BEAR RIVER--Continued Box Elder County--Continued											
(B-12-2)31DDA-2	221	0	19	160	1.1	474	220	36	2.7	890	7.5
(B-12-4)27DBD-1	-	-	-	-	-	-	-	-	-	1500	-
(B-12-4)34BBB-1	235	0	78	370	2.1	911	460	260	3.3	1650	7.4
(B-12-4)34CBD-1	227	0	97	370	2.4	922	460	280	3.0	1700	7.4
CACHE VALLEY--Continued Cache County--Continued											
(A-11-1)8DAA-3	-	-	-	-	-	-	-	-	-	520	-
(A-13-1)29BCD-1	-	-	-	-	-	-	-	-	-	460	-
BEAR LAKE VALLEY--Continued Rich County--Continued											
(A-13-6)30BBB-1	254	0	13	11	0.01	263	220	10	0.2	400	7.6
UINTAH BASIN--Continued Uintah County--Continued											
U(B-1-1)27ADA-1	112	0	6.6	0.9	0.18	114	100	9	0.2	220	7.4
U(C-1-2)15BBC-1	248	0	32	6.7	0.02	258	220	19	0.4	460	7.6
U(C-2-1)14CCC-2	468	0	620	3400	0.02	6860	260	0	68	11200	7.5
U(C-2-1)15DDC-1	377	0	50	87	0.04	556	5	0	44	1000	7.7
U(C-3-21)30DCD-1	279	0	53	1.5	0.02	339	16	0	14	575	8.3

QTP, Quaternary or Tertiary Pavant Flow (basalt); TvF, Tertiary valley-fill deposits; Jggc, Jurassic and Triassic (?) -

Section 3. Ground-Water Records

Beaver County

Beaver Valley

381642112385701. LOCAL NUMBER (C-29-7)218AA-1. STATE APPLICATION 21717. F. D. SMITH. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 12 TO 6 IN (30 TO 15 CM), DEPTH 415 FT (128 M), CASSED TO 380 FT (116 M). MP TOP OF CASING, 0.20 FT (0.06 M). ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5865.15 FT ABOVE MSL.
 HIGHEST WATER LEVEL 0.05 BELOW LSD, JUNE 29, 1938.
 LOWEST WATER LEVEL 29.71 BELOW LSD, MAR. 29, 1960.
 RECORDS AVAILABLE: 1935-75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 7, 1975	26.52	APR. 14, 1975	24.36	MAY 19, 1975	15.33	JULY 7, 1975	7.51
FEB. 5	27.33	APR. 18	23.74	MAY 23	13.35	JULY 14	3.24
MAR. 4	27.73	MAY 5	20.48	JUNE 2	10.92	JULY 21	3.42
MAR. 17	27.95	MAY 9	19.15	JUNE 6	9.32	JULY 28	3.56
APR. 8	25.78	MAY 13	18.08	JUNE 23	4.17	AUG. 4	3.88
APR. 9	24.78	MAY 14	17.86	JUNE 26	4.27	AUG. 13	5.47
APR. 10	25.52	MAY 15	17.68	JULY 3	4.16	OCT. 1	13.72

381516112422201. LOCAL NUMBER (C-29-8)25CAC-1. STATE CLAIM 13115. LATTER-DAY SAINTS CHURCH. DRILLED DOMESTIC ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 CM), DEPTH 290 FT (88 M), CASSED TO 250 FT (76 M). MP TOP OF 2-IN ELBOW, 2.40 FT (0.7 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 5672 FT ABOVE MSL.
 HIGHEST WATER LEVEL 13.00 ABOVE LSD, JUNE 29, 1938.
 LOWEST WATER LEVEL 8.30 ABOVE LSD, SEP. 27, 1966, MAR. 8, 1967.
 RECORDS AVAILABLE: 1936-75.
 MAR. 4, 1975 + 9.5 B. JUNE 5, 1975 + 9.4 B. OCT. 1, 1975 + 10.2 B.

Escalante Valley

(For other wells in this valley see Iron and Washington Counties)

382137113040902. LOCAL NUMBER (C-28-11)220AR-2. HAYWOOD AND OTHERS. DRILLED STOCK WATER-TABLE WELL IN ALLUVIUM, DIAM 8 IN (20 CM), DEPTH 72 FT (22 M), CASSED TO 72 FT (22 M), PERFORATED 54-72 FT (16-22 M). MP TOP OF CASING, 5.10 FT (1.6 M) BELOW LSD. WATER LEVEL BELOW LSD.
 LSD 5004 FT ABOVE MSL.
 HIGHEST WATER LEVEL 31.60 BELOW LSD, MAR. 20, 1947.
 LOWEST WATER LEVEL 49.48 BELOW LSD, SEP. 2, 1971.
 RECORDS AVAILABLE: 1941-75.
 MAR. 3, 1975 47.97, OCT. 6, 1975 49.24.

382138113003303. LOCAL NUMBER (C-28-10)19ADD-3. STATE APPLICATION A-20265-9. CLAUSSE MARSHALL. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 14 IN (36 CM), DEPTH 160 FT (49 M). MP END OF DISCHARGE PIPE 11.40 FT (3.5 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4974.40 FT ABOVE MSL.
 HIGHEST WATER LEVEL 9.85 BELOW LSD, MAR. 24, 1955.
 LOWEST WATER LEVEL 41.58 BELOW LSD, SEP. 16, 1971.
 RECORDS AVAILABLE: 1954-75.
 MAR. 4, 1975 22.62.

381922113010101. LOCAL NUMBER (C-29-10)6ABH-1. STATE CLAIM A-2042. J. A. MAYER. DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM, DIAM 16 IN (41 CM), DEPTH 98 FT (30 M), CASSED TO 98 FT (30 M). MP TOP OF CASING, 0.50 FT (0.15 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5013.50 FT ABOVE MSL.
 HIGHEST WATER LEVEL 18.95 BELOW LSD, FEB. 20, 1975.
 LOWEST WATER LEVEL 78.36 BELOW LSD, MAR. 5, 1975.
 RECORDS AVAILABLE: 1951-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	50.77	49.60	78.36	47.47	57.60E	57.99	63.81	64.77	64.48	64.99	57.39	52.39
10	50.63	49.34	48.17	47.46	59.60E	60.49	62.18	65.32	63.33	64.56	56.06	51.94
15	50.38	48.99	48.07	49.84	59.99	61.98	62.21	65.29	63.77	63.29	50.60	51.77
20	50.13	48.95	47.62	52.08	61.10	62.59	63.00	62.96	64.45	61.69	53.73	51.47
25	49.83	48.80E	47.51	53.70E	60.88	62.96	63.69	63.47	64.64	60.16	53.14	51.25
EOM	19.74	48.63	47.51	55.50E	56.38	63.60	64.19	64.17	65.10	58.73	52.68	50.82

381835113004201. LOCAL NUMBER (C-29-10)6DDC-2. STATE CLAIM 13116-R. TERRAL BOWEN. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 16 IN (41 CM), DEPTH 154 FT (47 M), CASSED TO 154 FT (47 M). MP TOP OF CASING AT LSD. WATER LEVEL BELOW LSD.
 LSD 5033 FT ABOVE MSL.
 HIGHEST WATER LEVEL 35.10 BELOW LSD, MAR. 16, 1953.
 LOWEST WATER LEVEL 83.70 BELOW LSD, OCT. 2, 1968.
 RECORDS AVAILABLE: 1952-75.
 MAR. 4, 1975 58.32, OCT. 2, 1975 75.08.

WATER-LEVEL MEASUREMENTS OF WELLS IN UTAH

Escalante Valley-Continued.

341925115054001. LOCAL NUMBER (C-29-11)48AA-1. H. AND J. COOK. DRILLED STOCK WATER-TABLE WELL IN ALLUVIUM, DIAM 16 IN (41 CM), DEPTH 68 FT (21 M). MP TOP OF WELL COVER, 0.90 FT (0.27 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5022.80 FT ABOVE MSL.
 HIGHEST WATER LEVEL 34.10 BELOW LSD, APR. 1, 1952.
 LOWEST WATER LEVEL 48.67 BELOW LSD, MAR. 3, 1975.
 RECORDS AVAILABLE: 1941-46, 1948-75.
 MAR. 3, 1975 48.67.

381741113032002. LOCAL NUMBER (C-29-11)11CDD-2. STATE CLAIM 7540. L. D. APPEGATE. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 16 IN (41 CM), DEPTH 90 FT (27 M), CASED TO 90 FT (27 M), PERFORATED 56-62 FT (17-19 M), 65-69 FT (20-21 M), 79-90 FT (24-27 M). MP BOTTOM OF HOLE IN CASING AT LSD. WATER LEVEL BELOW LSD.
 LSD 5018.16 FT ABOVE MSL.
 HIGHEST WATER LEVEL 17.52 BELOW LSD, FEB. 26, 1950.
 LOWEST WATER LEVEL 45.50 BELOW LSD, OCT. 2, 1968.
 RECORDS AVAILABLE: 1949-75.
 MAR. 3, 1975 40.40, OCT. 2, 1975 45.40.

Box Elder County

East Shore Area

(For other wells in this area see Davis and Weber Counties)

412151112020601. LOCAL NUMBER (B-7-2)118AA-3. STATE CLAIM 6409. JACK WHITE. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 10 IN (25 CM), DEPTH 365 FT (111 M), CASED TO 365 FT (111 M). MP HOLE IN CASING, 1.50 FT (0.5 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4231 FT ABOVE MSL.
 HIGHEST WATER LEVEL 14.05 BELOW LSD, SEP. 30, 1975.
 LOWEST WATER LEVEL 45.70 BELOW LSD, OCT. 18, 1961.
 RECORDS AVAILABLE: 1947-75.
 MAR. 4, 1975 32.65, SEP. 30, 1975 14.05.

412439112021601. LOCAL NUMBER (B-8-2)23COB-1. STATE CLAIMS 1284 AND 8126. WILLARD WATER CO. DRILLED IRRIGATION ARTESIAN WELL IN COARSE GRAVEL, DIAM 13 TO 10 IN (33 TO 25 CM), DEPTH 255 FT (69 M), CASED TO 225 FT (69 M), PERFORATED 97-172 FT (30-52 M), 180-197 FT (55-60 M). MP BOTTOM OF INSPECTION OPENING IN PUMPBASE, 0.50 FT (0.15 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4328.80 FT ABOVE MSL.
 HIGHEST WATER LEVEL 24.04 BELOW LSD, JUNE 4, 1958.
 LOWEST WATER LEVEL 50.44 BELOW LSD, OCT. 29, 1935.
 RECORDS AVAILABLE: 1935-75.
 MAR. 4, 1975 41.42, SEP. 30, 1975 35.44.

Blue Creek Valley

415016112255101. LOCAL NUMBER (B-13-5)28BA8-1. STATE CLAIM 2316. AEBISCHER BROS. DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM, DIAM 4 IN (10 CM), DEPTH 112 FT (34 M). MP TOP OF CASING, 1.50 FT (0.5 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4665 FT ABOVE MSL.
 HIGHEST WATER LEVEL 54.90 BELOW LSD, OCT. 6, 1967.
 LOWEST WATER LEVEL 63.80 BELOW LSD, MAR. 22, 1968.
 RECORDS AVAILABLE: 1965, 1967-75.
 MAR. 24, 1975 57.53, SEP. 10, 1975 55.82.

Curtlew Valley

414411112543701. LOCAL NUMBER (B-12-9)30CDA-1. USGS TEST HOLE NO. 3. DRILLED OBSERVATION ARTESIAN WELL IN BASALT, DIAM 8 IN (20 CM), DEPTH 162 FT (49 M), CASED TO 131 FT (40 M). MP TOP OF CASING, 2.00 FT (0.6 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4239 FT ABOVE MSL.
 HIGHEST WATER LEVEL 23.88 BELOW LSD, AUG. 22, 1972.
 LOWEST WATER LEVEL 24.65 BELOW LSD, AUG. 24, 1973.
 RECORDS AVAILABLE: 1972-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	24.28	24.32	24.33	24.26	24.21	24.20	24.20	24.15	24.18	24.19	24.29	24.35
10	24.27	24.29	24.32	24.29	24.21	24.21	24.19	24.15	24.17	24.19	24.29	24.35
15	24.31	24.33	24.34	24.26	24.21	24.19	24.19	24.15	24.18	24.20	24.31	24.39
20	24.31	24.30	24.30	24.27	24.20	24.19	24.21	24.16	24.18	24.20	24.33	24.38
25	24.30	24.35	24.25	24.21	24.20E	24.24	24.21	24.16	24.19	24.20	24.34	24.36
EOM	24.32	24.34	24.26	24.23	24.20	24.20	24.19	24.16	24.19	24.28	24.37	24.35

Curlew Valley-Continued.

414541113053401. LOCAL NUMBER (H-12-11)16CUC-1. U. S. BUREAU OF LAND MANAGEMENT. DRILLED UNUSED ARTESIAN WELL IN GRAVEL. DIAM 8 IN (20 CM), DEPTH 126 FT (38 M), CASSED TO 126 FT (38 M). MP TOP OF CASING, 0.50 FT (0.15 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4230 FT ABOVE MSL.
 HIGHEST WATER LEVEL 8.24 BELOW LSD, OCT. 25, 1945.
 LOWEST WATER LEVEL 17.10 BELOW LSD, OCT. 5, 1967.
 RECORDS AVAILABLE: 1935-36, 1938-59, 1961-65, 1967-68, 1971-75.
 MAR. 25, 1975 13.24, SEP. 10, 1975 15.22.

415754112424301. LOCAL NUMBER (H-14-M)11ABA-1. BEALY S. CUTLER. JETTED STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 4 IN (10 CM), DEPTH 73 FT (22 M), CASSED TO 73 FT (22 M). MP TOP OF CASING 2.20 FT (0.7 M) BELOW LSD. WATER LEVEL BELOW LSD.
 LSD 4535 FT ABOVE MSL.
 HIGHEST WATER LEVEL 39.55 BELOW LSD, OCT. 31, 1951.
 LOWEST WATER LEVEL 48.00 BELOW LSD, APR. 1, 1940.
 RECORDS AVAILABLE: 1936-41, 1943-75.
 MAR. 24, 1975 46.07, SEP. 10, 1975 44.11.

415754112551301. LOCAL NUMBER (H-14-9)7RHH-1. STATE APPLICATION 26399. CUMMINS PROS. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM INTERBEDDED WITH BASALT, DIAM 14 IN (35 CM), DEPTH 608 FT (185 M), CASSED TO 608 FT (185 M). MP HOLE IN PUMPBASE, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4399 FT ABOVE MSL.
 HIGHEST WATER LEVEL 154.02 BELOW LSD, MAY 9, 1962.
 LOWEST WATER LEVEL 189.54 BELOW LSD, SEP. 10, 1975.
 RECORDS AVAILABLE: 1955-60, 1962, 1964-75.
 MAR. 24, 1975 165.75, SEP. 10, 1975 189.54.

Grouse Creek Valley

413808113542501. LOCAL NUMBER (B-11-18)33ADA-1. STATE APPLICATION 18061. ROSS WARBURTON. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 16 IN (41 M), DEPTH 59 FT (18 M), CASSED TO 59 FT (18 M). MP TOP OF CASING 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5091 FT ABOVE MSL.
 HIGHEST WATER LEVEL 16.73 BELOW LSD, SEP. 10, 1975.
 LOWEST WATER LEVEL 37.80 BELOW LSD, OCT. 12, 1966.
 RECORDS AVAILABLE: 1946-59, 1961-75.
 MAR. 25, 1975 27.39, SEP. 10, 1975 16.73.

Park Valley

414908113241901. LOCAL NUMBER (B-13-14)25CCH-3. J. HENRY KUNZLER. DUG DOMESTIC WATER-TABLE WELL IN ALLUVIUM, DIAM 4 FT (10 CM), DEPTH 28 FT (8 M), LINED WITH ROCK. MP TOP OF PLATFORM, 0.30 FT (0.10 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5665 FT ABOVE MSL.
 HIGHEST WATER LEVEL 6.81 BELOW LSD, MAY 9, 1962.
 LOWEST WATER LEVEL 23.68 BELOW LSD, OCT. 14, 1966.
 RECORDS AVAILABLE: 1936, 1938-75.
 MAR. 25, 1975 13.14, SEP. 10, 1975 10.79.

Raft River Valley

415236113443001. LOCAL NUMBER (B-13-17)1DAB-1. STATE CLAIM 18695. LYNN SCHOOL DISTRICT. DRILLED DOMESTIC ARTESIAN WELL IN VALLEY FILL, DIAM 4 IN (10 CM), DEPTH 180 FT (55 M), CASSED TO 180 FT (55 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5920 FT ABOVE MSL.
 HIGHEST WATER LEVEL 11.45 BELOW LSD, APR. 9, 1974.
 LOWEST WATER LEVEL 26.63 BELOW LSD, OCT. 12, 1961.
 RECORDS AVAILABLE: 1948-75.
 MAR. 24, 1975 24.80, SEP. 10, 1975 20.53.

415738113323401. LOCAL NUMBER (B-14-15)3DDD-1. STATE CLAIM 19482. MORRIS A. SMITH. DUG DOMESTIC WATER-TABLE WELL IN ALLUVIUM, DIAM 4 FT (10 CM), DEPTH 56 FT (17 M), LINED WITH ROCK. MP TOP OF 2 X 6 IN (5 X 15 CM) PLANK WELL COVER, 0.20 FT (0.50 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5975 FT ABOVE MSL.
 HIGHEST WATER LEVEL 28.80 BELOW LSD, MAY 28, 1952.
 DRY, WATER LEVEL NOT MEASUREABLE, OCT. 26, 1960.
 RECORDS AVAILABLE: 1935-36, 1938-75.
 MAR. 24, 1975 52.97, SEP. 10, 1975 47.28.

WATER-LEVEL MEASUREMENTS OF WELLS IN UTAH

Cache County

Cache Valley

41450111520101. LOCAL NUMBER (A-12-1)29CAB-1. STATE CLAIM 17661. EDWIN GOSSNER. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 CM), DEPTH 43 FT (13 M), CASSED TO 43 FT (13 M). MP TOP OF COUPLING, 0.30 FT (0.10 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.

LSD 4442 FT ABOVE MSL.

HIGHEST WATER LEVEL 22.90 ABOVE LSD, SEP. 25, 1950.

LOWEST WATER LEVEL 13.60 ABOVE LSD, AUG. 24, 1940.

RECORDS AVAILABLE: 1940-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	19.00	19.60	18.80	18.20	18.00	18.50	18.70	19.20	19.80	20.50	21.00	20.80E
10	19.10	19.40	18.50	18.10	18.00	18.80	18.50	19.00	19.30	20.70	21.00	20.40
15	19.30	19.20	18.40	18.10	18.60	18.30	19.00	19.50	20.20	20.80	21.00	20.50
20	19.20	19.30	18.50	17.90	18.40	18.70	18.30	19.30	20.30	21.00	21.00E	20.30
25	19.10	18.90	18.60	21.70	18.00	19.00	19.00	19.40	20.50	20.70	20.90E	20.40E
EOM	19.20	18.80	18.00	18.30	18.00	19.00	19.70	19.50	20.50	20.90	20.90E	20.70

414410111523601. LOCAL NUMBER (A-12-1)31DAB-1. STATE CLAIM 2537. R. S. PAINTER. DRILLED STOCK IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 3 IN (7 CM), DEPTH 132 FT (40 M), CASSED TO 132 FT (40 M). MP TOP OF ELBOW, 2.30 FT (0.7 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.

LSD 4433 FT ABOVE MSL.

HIGHEST WATER LEVEL 42.40 ABOVE LSD, OCT. 23, 1952.

LOWEST WATER LEVEL 24.90 ABOVE LSD, OCT. 14, 1975.

RECORDS AVAILABLE: 1936-47, 1949-75.

MAR. 12, 1975 + 31.70, OCT. 14, 1975 + 24.90.

41502211513001. LOCAL NUMBER (A-13-1)29ADC-1. STATE CLAIM 1682. J. C. CANNELL. JETTED STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 CM), DEPTH 106 FT (32 M), CASSED TO 106 FT (32 M). MP TOP OF CASING, AT LSD. WATER LEVEL ABOVE (+) AND BELOW LSD.

LSD 4480 FT ABOVE MSL.

HIGHEST WATER LEVEL 9.90 ABOVE LSD, AUG. 14, 1936.

LOWEST WATER LEVEL 8.89 BELOW LSD, MAR. 12, 1964.

RECORDS AVAILABLE: 1936-75.

MAR. 10, 1975 4.73, OCT. 14, 1975 + 4.30.

415638111494201. LOCAL NUMBER (A-14-1)22BAD-1. STATE CLAIM 17652. C. B. STODDARD. JETTED STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 3 IN (8 CM), DEPTH 114 FT (35 M), CASSED TO 114 FT (35 M). MP TOP OF ELL, 2.00 FT (0.6 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.

LSD 4466 FT ABOVE MSL.

HIGHEST WATER LEVEL 20.60 ABOVE LSD, JULY 1, 1969.

LOWEST WATER LEVEL 1.00 ABOVE LSD, MAR. 1, 1971.

RECORDS AVAILABLE: 1938-75.

MAR. 10, 1975 + 4.00, OCT. 14, 1975 + 9.30.

41545011490801. LOCAL NUMBER (A-14-1)34ADB-1. STATE CLAIM 1373. CROCKETT WELL CO. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 13 TO 8 IN (33 TO 20 CM), DEPTH 150 FT (46 M), CASSED TO 100 FT (30 M), PERFORATED 10-68 FT (3-21 M). MP HOLE IN CASING, NW SIDE, 0.90 FT (0.27 M) ABOVE LSD. WATER LEVEL BELOW LSD.

LSD 4543.70 FT ABOVE MSL.

HIGHEST WATER LEVEL 2.95 BELOW LSD, JUNE 26, 1936.

LOWEST WATER LEVEL 18.20 BELOW LSD, DEC. 19, 1944.

RECORDS AVAILABLE: 1935-75.

MAR. 10, 1975 12.52, OCT. 14, 1975 11.45.

415008111593901. LOCAL NUMBER (B-13-1)30ACC-1. STATE CLAIM 2757. E. R. BALLARD. JETTED STOCK ARTESIAN WELL IN FINE GRAVEL, DIAM 2 IN (5 CM), DEPTH 90 FT (27 M), CASSED TO 90 FT (27 M). MP TOP OF ELBOW, 3.00 FT (0.9 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.

LSD 4407 FT ABOVE MSL.

HIGHEST WATER LEVEL 23.90 ABOVE LSD, MAR. 1, 1972.

LOWEST WATER LEVEL 15.75 ABOVE LSD, MAR. 6, 1936.

RECORDS AVAILABLE: 1936-75.

MAR. 10, 1975 + 20.1, OCT. 14, 1975 + 21.7.

Davis County

East Shore Area

(For other wells in this area see Box Elder and Weber Counties)

Bountiful District

405447111524301. LOCAL NUMBER (A-2-1)18ABD-12. T. O. WILLIAMS. JETTED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 CM), DEPTH 90 FT (27 M), CASSED TO 90 FT (27 M). MP TOP OF RECORDER SHELTER SUPPORT, 2.40 FT (0.7 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 4285 FT ABOVE MSL.
 HIGHEST WATER LEVEL 31.60 ABOVE LSD, JUNE 9, 1944.
 LOWEST WATER LEVEL 2.70 ABOVE LSD, AUG. 5, 1961.
 RECORDS AVAILABLE: 1938-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	22.20	21.00	21.30	20.90	20.30	22.30	23.70	24.80	27.30	29.00	27.40	26.10
10	22.40	20.90	21.40	20.70	20.30	27.70	23.60	25.00	27.50	29.00	27.00	26.00
15	22.00	20.70	21.30	20.30	20.40	22.80	22.70	25.50	28.20	28.60	25.50	25.50
20	21.70	20.50	21.40	20.50	20.40	23.00	24.00	25.30	28.00	28.40	25.50	25.70
25	21.70	20.00	21.00	19.90	21.40	23.50	24.30	26.70	28.70	28.60	26.20	25.00
EOM	21.40	19.90	20.90	20.50	22.00	23.70	25.00	27.00	28.60	28.60	26.30	24.70

405328111524501. LOCAL NUMBER (A-2-1)19DRC-1. STATE CLAIM 1447. BOUNTIFUL CITY CORP. DRILLED MUNICIPAL ARTESIAN WELL IN ALLUVIUM, DIAM 12 TO 8 IN (30 TO 20 CM), DEPTH 380 FT (116 M), CASSED TO 380 FT (116 M). MP TOP OF CASING, 0.50 FT (0.15 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4367.80 FT ABOVE MSL.
 HIGHEST WATER LEVEL 57.12 BELOW LSD, MAY 31, 1938.
 LOWEST WATER LEVEL 115.00 BELOW LSD, MAY 9, 1947.
 RECORDS AVAILABLE: 1937-75.
 MAR. 3, 1975 71.93, OCT. 1, 1975 63.88.

405302111544101. LOCAL NUMBER (B-2-1)26AAD-1. STATE CLAIM 3656. N. L. STARRS. JETTED DOMESTIC ARTESIAN WELL IN ALLUVIUM, DIAM 3 IN (8 CM), DEPTH 250 FT (76 M), CASSED TO 250 FT (76 M). MP TOP OF REDUCER, 1.40 FT (0.4 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 4243.40 FT ABOVE MSL.
 HIGHEST WATER LEVEL 51.50 ABOVE LSD, JAN. 1, 1943.
 LOWEST WATER LEVEL 13.20 ABOVE LSD, OCT. 20, 1961.
 RECORDS AVAILABLE: 1936-75.
 MAR. 3, 1975 + 42.10, SEP. 30, 1975 + 40.80.

Layton District

410007111555801. LOCAL NUMBER (B-3-1)15AAB-1. STATE CLAIM 8156. HAIGHTS BENCH IRRIGATION CO. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 12 TO 8 IN (30 TO 20 CM), DEPTH 720 FT (219 M), CASSED TO 635 FT (193 M). MP TOP OF CASING, 1.20 FT (0.4 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4282.90 FT ABOVE MSL.
 HIGHEST WATER LEVEL 11.51 BELOW LSD, DEC. 15, 1965.
 LOWEST WATER LEVEL 16.35 BELOW LSD, DEC. 11, 1935.
 RECORDS AVAILABLE: 1935-75.
 MAR. 3, 1975 11.77.

410738112072201. LOCAL NUMBER (B-5-3)36ADA-1. STATE CLAIM 3074. MARY STODDARD. JETTED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 3 IN (8 CM), DEPTH 460 FT (140 M), CASSED TO 460 FT (140 M), PERFORATED 360-380 FT (110-116 M), 430-450 FT (131-137 M). MP TOP OF TEE, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 4227.02 FT ABOVE MSL.
 HIGHEST WATER LEVEL 37.70 ABOVE LSD, MAY 26, 1953, MAR. 9, 1954.
 LOWEST WATER LEVEL 12.30 ABOVE LSD, AUG. 10, 1965.
 RECORDS AVAILABLE: 1935-75.
 MAR. 3, 1975 + 18.7.

Duchesne County

Uinta Basin

(For other wells in this basin see Uintah County)

402402110061401. LOCAL NUMBER U(C-1-2)15BBC-1. STATE CLAIM 2152. R. M. CLARK. DRIVEN DOMESTIC AND STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 3/4 IN (1.9 CM), DEPTH 138 FT (42 M), CASSED TO 138 FT (42 M). MP TOP OF TEE, 1.30 FT (0.4 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 5795 FT ABOVE MSL.
 HIGHEST WATER LEVEL 14.70 ABOVE LSD, SEP. 2, 1971.
 LOWEST WATER LEVEL 8.80 ABOVE LSD, APR. 30, 1962.
 RECORDS AVAILABLE: 1935-55, 1957-75.
 MAR. 4, 1975 + 12.90, SEP. 29, 1975 + 13.70.

Uinta Basin-Continued.

401531110140401. LOCAL NUMBER U(C-2-3)33CCD-1. ELDON B. THOMPSON. DRILLED STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 M), DEPTH 200 FT (61 M). MP TOP OF ELL, 1.50 FT (0.5 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 5578 FT ABOVE MSL.
 HIGHEST WATER LEVEL 6.40 ABOVE LSD, OCT. 1, 1941,
 LOWEST WATER LEVEL 1.38 ABOVE LSD, AUG. 1, 1972.
 RECORDS AVAILABLE: 1939-55, 1957-75.
 MAR. 3, 1975 + 1.96, SEP. 26, 1975 + 2.07.

Garfield County

East Sevier Valley

(For other wells in this valley see Piute, Sanpete, and Sevier Counties)

375000111592001. LOCAL NUMBER (C-34-2)22DAB-1. STATE CLAIM R173. STATE OF UTAH. DRILLED UNUSED ARTESIAN WELL IN SANDSTONE, DIAM 6 IN (15 M), DEPTH 339 FT (103 M), CASED TO 198 FT (60 M). MP TOP OF CASING, 1.50 FT (0.5 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 7621.50 FT ABOVE MSL.
 HIGHEST WATER LEVEL 149.63 BELOW LSD, DEC. 9, 1949,
 LOWEST WATER LEVEL 222.10 BELOW LSD, DEC. 20, 1957.
 RECORDS AVAILABLE: 1947-75.
 MAR. 1, 1975 172.55, OCT. 3, 1975 166.66.

374205112091501. LOCAL NUMBER (C-36-3)60BA-1. STATE APPLICATION 16993. FEDERAL AVIATION AGENCY. DRILLED DOMESTIC ARTESIAN WELL IN ALLUVIUM, DIAM 6 IN (15 CM), DEPTH 123 FT (37 M), CASED TO 123 FT (37 M). MP TOP OF CASING, 0.50 (0.15) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 7580 FT ABOVE MSL.
 HIGHEST WATER LEVEL 22.20 BELOW LSD, NOV. 8, 1949,
 LOWEST WATER LEVEL 62.70 BELOW LSD, MAR. 25, 1947.
 RECORDS AVAILABLE: 1946-75.
 APR. 1, 1975 46.10, OCT. 3, 1975 46.23.

Upper Sevier Valley

(For other wells in this valley see Piute, Sanpete, and Sevier Counties)

380005112225001. LOCAL NUMBER (C-32-5)26ACA-1. STATE CLAIM 13307. VERA PERKINS. DUG DOMESTIC WATER-TABLE WELL IN ALLUVIUM, DIAM 36 IN (91 CM), DEPTH 20 FT (6 M), OPEN HOLE. MP TOP OF CASING, 5.00 FT (1.5 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 6360 FT ABOVE MSL.
 HIGHEST WATER LEVEL 8.61 BELOW LSD, JULY 28, 1962,
 LOWEST WATER LEVEL 16.58 BELOW LSD, MAR. 22, 1961.
 RECORDS AVAILABLE: 1951-75.
 MAR. 31, 1975 14.63, OCT. 1, 1975 10.95.

375235112245501. LOCAL NUMBER (C-34-5)4DDD-1. JOHN YARDLEY. DUG STOCK WATER-TABLE WELL IN ALLUVIUM, DIAM 36 IN (91 CM), DEPTH 21 FT (6 M), ROCK CRIBBED. MP TOP OF WELL CRIBBING, 2.00 FT (0.6 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 6543 FT ABOVE MSL.
 HIGHEST WATER LEVEL 2.58 BELOW LSD, OCT. 7, 1969,
 LOWEST WATER LEVEL 20.59 BELOW LSD, APR. 7, 1964.
 RECORDS AVAILABLE: 1951-54, 1956-75.
 MAR. 31, 1975 17.94, OCT. 1, 1975 3.91.

375210112261501. LOCAL NUMBER (C-34-5)8ADB-2. D. W. WOODARD. DRIVEN UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 5 IN (13 CM), DEPTH 93 FT (28 M), CASED TO 93 FT (28 M), PERFORATED 77-93 FT (23-28 M). MP TOP OF CASING, 4.70 FT (1.4 M) BELOW LSD. WATER LEVEL BELOW LSD.
 LSD 6535.30 FT ABOVE MSL.
 HIGHEST WATER LEVEL 9.40 BELOW LSD, SEP. 5, 1942,
 LOWEST WATER LEVEL 20.66 BELOW LSD, MAR. 19, 1965.
 RECORDS AVAILABLE: 1935-75.
 MAR. 31, 1975 15.25, OCT. 1, 1975 10.68.

Grand County

Colorado River Area - Courthouse Syncline

385120109174401. LOCAL NUMBER (D-22-24)29CBC-1. STATE APPLICATION 13068. U. S. BUREAU OF LAND MANAGEMENT. DRILLED UNUSED WATER-TABLE WELL IN MORRISON FORMATION, DIAM 8 IN (20 CM), DEPTH 160 FT (49 M), CASED TO 30 FT (9 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD. LSD 4150 FT ABOVE MSL.
 HIGHEST WATER LEVEL 16.08 BELOW LSD, MAR. 31, 1949.
 LOWEST WATER LEVEL 29.44 BELOW LSD, SEP. 25, 1970.
 RECORDS AVAILABLE: 1946-75.
 MAR. 10, 1975 25.60.

384251109420101. LOCAL NUMBER (D-24-20)22BAC-2. STATE APPLICATION 13068. U. S. BUREAU OF LAND MANAGEMENT. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 8 1/4 IN (21 CM), DEPTH 70 FT (21 M), CASED TO 62 FT (19 M). PERFORATED AT 40 FT (12 M). MP TOP OF CASING 2.50 FT (0.8 M) BELOW LSD. WATER LEVEL BELOW LSD.
 LSD 4410 FT ABOVE MSL.
 HIGHEST WATER LEVEL 11.73 BELOW LSD, MAR. 8, 1973.
 LOWEST WATER LEVEL 15.04 BELOW LSD, SEP. 14, 1972.
 RECORDS AVAILABLE: 1971-75.
 MAR. 12, 1975 13.32, SEP. 16, 1975 13.27.

Iron County

Cedar City Valley

374521113014901. LOCAL NUMBER (C-34-11)9CDC-1. D. C. EVANS. JETTED UNUSED WATER-TABLE WELL IN ALLUVIUM, DIAM 4 IN (10 CM), DEPTH 61 FT (19 M). MP TOP OF CASING, 0.80 FT (0.24 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5402.32 FT ABOVE MSL.
 HIGHEST WATER LEVEL 21.31 BELOW LSD, JUNE 17, 1938.
 LOWEST WATER LEVEL 23.50 BELOW LSD, OCT. 4, 1973.
 RECORDS AVAILABLE: 1938-75.
 MAR. 7, 1975 22.79, OCT. 8, 1975 23.29.

374525113014601. LOCAL NUMBER (C-35-10)18CBB-1. PARSON WEBSTER. DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM, DIAM 10 IN (25 CM), DEPTH 112 FT (34 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5550 FT ABOVE MSL.
 HIGHEST WATER LEVEL 41.95 BELOW LSD, MAR. 22, 1943.
 DRY, WATER LEVEL NOT MEASURABLE, JULY 28, 1964, AUG. 25, 1964, JULY 28, 1965.
 RECORDS AVAILABLE: 1937-75.
 MAR. 7, 1975 76.55, OCT. 8, 1975 103.33.

374226113110401. LOCAL NUMBER (C-35-12)34DCD-2. REPLACED (C-35-12)34DCD-1. R. J. AND W. M. SHAY. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 14 IN (36 CM), DEPTH 144 FT (44 M), CASED TO 144 FT (44 M), PERFORATED 72-144 FT (22-44 M). MP SLOT IN CASING, NW SIDE AT LSD. WATER LEVEL BELOW LSD.
 LSD 5482 FT ABOVE MSL.
 HIGHEST WATER LEVEL 21.08 BELOW LSD, MAR. 15, 1960.
 LOWEST WATER LEVEL 38.60 BELOW LSD, OCT. 4, 1972.
 RECORDS AVAILABLE: 1959-75.
 MAR. 5, 1975 32.08, OCT. 8, 1975 33.51.

374121113063901. LOCAL NUMBER (C-36-11)8ACA-1. STATE APPLICATION 22336-A3005. R. H. & W.W. LEIGH. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 16 IN (40 CM), DEPTH 200 FT (61 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5563 FT ABOVE MSL.
 HIGHEST WATER LEVEL 64.29 BELOW LSD, DEC. 7, 1953.
 LOWEST WATER LEVEL 87.51 BELOW LSD, SEP. 27, 1966.
 RECORDS AVAILABLE: 1953-61, 1966-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	79.31	78.50	77.63	76.60	76.14	78.05	79.50E	80.98	82.55	82.10E	82.09	82.09
10	79.08	78.24	77.45	76.53	76.38	78.11	79.59	81.08	82.35E	82.09	82.09	80.50
15	79.04	78.12	77.18	76.42	77.70	78.01	79.17	81.64	82.30E	82.09	82.09	80.43
20	78.90E	77.98	77.01	76.42	77.12	78.00	79.59	81.17	82.25E	82.09	82.09	80.24
25	78.70E	77.93	76.75	76.23	77.71	78.30E	80.48	81.19	82.20E	82.09	82.09	80.11
EOM	78.61	77.87	76.68	76.30	77.76	78.80E	80.49	82.08	82.15E	82.09	82.09	79.80

Cedar City Valley-Continued.

374104113034801. LOCAL NUMBER (C-36-12)1208A-1. STATE CLAIM 15411. BRANCH AGRICULTURAL COLLEGE. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM. DIAM 10 TO 8 IN (25 TO 20 CM). DEPTH 600 FT (183 M). CASED TO 600 FT (183 M). PERFORATED 200-600 FT (61-183 M). MP TOP OF CASING. 2.30 (0.7 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5509 FT ABOVE MSL.
 HIGHEST WATER LEVEL 10.35 BELOW LSD. MAR. 23, 1943.
 LOWEST WATER LEVEL 57.26 BELOW LSD. SEP. 27, 1956.
 RECORDS AVAILABLE: 1936-75.
 MAR. 5, 1975 31.59.

Escalante Valley

(For other wells in this valley see Beaver and Washington Counties)

374834113402401. LOCAL NUMBER (C-34-16)24CCC-1. STATE APPLICATION 16524. MONTE MILLER. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM. DIAM 14 IN. DEPTH 203 FT (62 M). CASED TO 203 FT (62 M). MP HOLE IN PUMPBASE. 1.50 (0.5 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5141.40 FT ABOVE MSL.
 HIGHEST WATER LEVEL 9.85 BELOW LSD. DEC. 9, 1949.
 LOWEST WATER LEVEL 32.32 BELOW LSD. MAR. 4, 1975.
 RECORDS AVAILABLE: 1949-75.
 MAR. 4, 1975 32.32.

374849113310201. LOCAL NUMBER (C-35-15)30CC-2. STATE CLAIM 3748. E. J. GRAFF. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM. DIAM 16 IN (41 CM). DEPTH 350 FT (107 M). CASED TO 350 FT (107 M). PERFORATED 60-136 FT (18-41 M). 260-280 FT (79-85 M). 285-308 FT (87-94 M). MP HOLE IN CASING. AT LSD. WATER LEVEL BELOW LSD.
 LSD 5138.37 FT ABOVE MSL.
 HIGHEST WATER LEVEL 10.60 BELOW LSD. APR. 19, 1949.
 LOWEST WATER LEVEL 43.30 BELOW LSD. JULY 10, 1953.
 RECORDS AVAILABLE: 1936-75.
 MAR. 4, 1975 30.31. OCT. 6, 1975 32.58.

374650113342701. LOCAL NUMBER (C-35-15)6CDU-1. FRANK BRIDEL. DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM. DIAM 12 IN (30 M). DEPTH 170 FT (52 M). COLORADO CASING. MP TOP OF CASING. 2.00 FT (0.6 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5139 FT ABOVE MSL.
 HIGHEST WATER LEVEL 11.40 BELOW LSD. MAY 25, 1937.
 LOWEST WATER LEVEL 36.26 BELOW LSD. OCT. 6, 1975.
 RECORDS AVAILABLE: 1936-75.
 MAR. 4, 1975 35.57. OCT. 6, 1975 36.26.

374503113313701. LOCAL NUMBER (C-35-15)16DD-1. STATE APPLICATION 12438. KUMEN JONES. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM. DIAM 16 IN (41 CM). DEPTH 315 FT (96 M). CASED TO 315 FT (96 M). PERFORATED 50-252 FT (15-77 M). MP HOLE IN CASING. 0.50 FT (0.15 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5156.30 FT ABOVE MSL.
 HIGHEST WATER LEVEL 23.96 BELOW LSD. MAR. 24, 1950.
 LOWEST WATER LEVEL 44.94 BELOW LSD. MAR. 4, 1975.
 RECORDS AVAILABLE: 1949-75.
 MAR. 4, 1975 44.94.

374504113361001. LOCAL NUMBER (C-35-16)14DU-1. JOHN MCGARY. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM. DIAM 14 IN (35 CM). DEPTH 100 FT (30 M). CASED TO 100 FT (30 M). PERFORATED 30-35 FT (9-11 M). 47-54 FT (14-16 M). 71-78 FT (22-24 M). 82-93 FT (25-28 M). MP HOLE IN PUMPBASE. 0.60 FT (0.18 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5155.19 FT ABOVE MSL.
 HIGHEST WATER LEVEL 20.63 BELOW LSD. DEC. 10, 1949.
 LOWEST WATER LEVEL 59.84 BELOW LSD. OCT. 7, 1975.
 RECORDS AVAILABLE: 1948-75.
 MAR. 4, 1975 56.03. OCT. 7, 1975 59.84.

374543113391201. LOCAL NUMBER (C-35-16)16BC-1. STATE APPLICATION 16435. MARION BECKSTROM. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM. DIAM 14 IN (36 CM). DEPTH 174 FT (53 M). CASED TO 174 FT (53 M). PERFORATED 50-174 FT (15-53 M). MP HOLE IN CASING. 1.50 FT (0.5 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5154.45 FT ABOVE MSL.
 HIGHEST WATER LEVEL 19.68 BELOW LSD. SEP. 11, 1947.
 LOWEST WATER LEVEL 63.37 BELOW LSD. OCT. 7, 1975.
 RECORDS AVAILABLE: 1947, 1949-63, 1965-75.
 MAR. 4, 1975 56.61. OCT. 7, 1975 63.37.

Escalante Valley-Continued

374346113390201. LOCAL NUMBER (C-35-16)28BDC-1. STATE APPLICATION 15771. BRUNO BIASI. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 18 IN (46 CM), DEPTH 200 FT (61 M), CASSED TO 200 FT (61 M). MP BOTTOM OF 2 IN PIPE LEADING INTO WELL, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD. LSD 5167.07 FT ABOVE MSL.
HIGHEST WATER LEVEL 27.45 BELOW LSD, DEC. 8, 1948.
LOWEST WATER LEVEL 79.18 BELOW LSD, OCT. 5, 1973.
RECORDS AVAILABLE: 1948-63, 1965-75.
MAR. 5, 1975 70.11.

374312113405601. LOCAL NUMBER (C-35-16)31AHC-1. STATE APPLICATION A-2109. C. E. MITCHELL. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 16 IN (41 CM), DEPTH 162 FT (49 M), CASSED TO 162 FT (49 M), PERFORATED 41-162 FT (12-49 M). MP HOLE IN PUMPHASE AT LSD. WATER LEVEL BELOW LSD. LSD 5178 FT ABOVE MSL.
HIGHEST WATER LEVEL 36.36 BELOW LSD, APR. 21, 1949.
LOWEST WATER LEVEL 47.17 BELOW LSD, OCT. 6, 1975.
RECORDS AVAILABLE: 1948-75.
MAR. 4, 1975 74.52, OCT. 6, 1975 57.17.

374649113444501. LOCAL NUMBER (C-35-17)3CCC-1. STATE APPLICATION 17133. MILT SEVY. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 14 IN (36 CM), DEPTH 240 FT (73 M), CASSED TO 240 FT (73 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD. LSD 5190.20 FT ABOVE MSL.
HIGHEST WATER LEVEL 46.64 BELOW LSD, APR. 20, 1949.
LOWEST WATER LEVEL 70.71 BELOW LSD, OCT. 7, 1975.
RECORDS AVAILABLE: 1949-75.
MAR. 4, 1975 64.10, OCT. 7, 1975 70.71.

374530113422001. LOCAL NUMBER (C-35-17)13BDC-1. STATE CLAIM 14228. AUSTIN D. MOYLE. DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM, DIAM 16 IN (40 CM), DEPTH 100 FT (30 M), PERFORATED 26-35 FT (8-11 M), 60-70 FT (18-21 M), 90-100 FT (27-30 M). MP TOP OF R. R. TIE OVER WELL AT LSD. WATER LEVEL BELOW LSD. LSD 5164.80 FT ABOVE MSL.
HIGHEST WATER LEVEL 25.99 BELOW LSD, APR. 16, 1938.
LOWEST WATER LEVEL 73.90 BELOW LSD, JUNE 15, 1975.
RECORDS AVAILABLE: 1937-42, 1949-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	66.10E	65.60E	65.21	67.40E	71.00E	73.17	70.90E	70.47	70.60E	69.40E	69.80E	69.40E
10	66.00E	65.50E	65.13	68.00E	71.25	73.60	70.22	69.76	70.40E	69.31	70.20E	68.80E
15	65.90E	65.40E	65.03	68.60E	70.98	73.90E	70.31	70.87	70.20E	69.14	70.70E	68.20E
20	65.80E	65.40E	65.60E	69.20E	71.44	73.00E	70.54	71.20	70.00E	69.05	71.20E	68.09
25	65.80E	65.30E	66.20E	69.80E	72.00	72.30E	70.60E	71.00E	69.80E	69.04	70.60E	67.58
30M	65.70E	65.20E	66.80E	70.40E	72.14	71.60E	70.78	70.80E	69.60E	69.40E	70.00E	67.60

374228113420101. LOCAL NUMBER (C-35-17)36DCC-1. STATE APPLICATION 16425. MARION CROSIEN. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 16 IN (41 CM), DEPTH 200 FT (61 M), CASSED TO 200 FT (61 M), MP TOP OF CASING, 0.50 FT (0.15 M) ABOVE LSD. WATER LEVEL BELOW LSD. LSD 5190.50 FT ABOVE MSL.
HIGHEST WATER LEVEL 49.73 BELOW LSD, APR. 21, 1949.
LOWEST WATER LEVEL 100.27 BELOW LSD, OCT. 6, 1975.
RECORDS AVAILABLE: 1948-63, 1965-75.
MAR. 5, 1975 92.25, OCT. 6, 1975 100.27.

373854113351101. LOCAL NUMBER (C-36-15)19CCC-1. STATE APPLICATIONS A-2101 AND A-2085. ALONZO CHRISTENSEN. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 16 IN (41 CM), DEPTH 217 FT (66 M), CASSED TO 217 FT (66 M), PERFORATED 81-84 FT (25-26 M), 100-124 FT (30-38 M), 128-136 FT (39-41 M), 140-146 FT (43-44 M), 149-180 FT (45-55 M). MP HOLE IN CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD. LSD 5233.20 FT ABOVE MSL.
HIGHEST WATER LEVEL 75.30 BELOW LSD, MAR. 12, 1948.
LOWEST WATER LEVEL 125.36 BELOW LSD, OCT. 6, 1975.
RECORDS AVAILABLE: 1947-75.
MAR. 4, 1975 123.84, OCT. 6, 1975 125.36.

374155113372601. LOCAL NUMBER (C-36-16)3ADA-1. STATE APPLICATION 14709. COONS ESTATE. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 12 IN (30 CM), DEPTH 115 FT (35 M), CASSED TO 115 FT (35 M), MP HOLE IN PUMPHASE, AT LSD. WATER LEVEL BELOW LSD. LSD 5174.20 FT ABOVE MSL.
HIGHEST WATER LEVEL 29.70 BELOW LSD, OCT. 31, 1949.
LOWEST WATER LEVEL 85.75 BELOW LSD, OCT. 6, 1975.
RECORDS AVAILABLE: 1947-75.
MAR. 4, 1975 82.62, OCT. 6, 1975 85.75.

Escalante Valley-Continued.

374015113391601. LOCAL NUMBER (C-36-16)94DC-1. STATE APPLICATION 16253. WILSON SCOTT. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 14 IN (36 CM), DEPTH 272 FT (83 M), CASED TO 272 FT (83 M). MP HOLE IN CASING, AT LSD. WATER LEVEL BELOW LSD.
LSD 5196.36 FT ABOVE MSL.
HIGHEST WATER LEVEL 51.30 BELOW LSD, APR. 21, 1949.
LOWEST WATER LEVEL 108.80 BELOW LSD, OCT. 8, 1974.
RECORDS AVAILABLE: 1948-75.
MAR. 5, 1975 100.10.

373853113411501. LOCAL NUMBER (C-36-16)194HR-1. STATE APPLICATION 15511. T. W. JONES. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 16 IN (41 CM), DEPTH 352 FT (107 M), CASED TO 352 (107 M). PERFORATED 95-332 FT (29-101 M). MP HOLE IN CASING, 0.50 (0.15 M) ABOVE LSD. WATER LEVEL BELOW LSD.
LSD 5226.30 FT ABOVE MSL.
HIGHEST WATER LEVEL 73.90 BELOW LSD, JUNE 1, 1948.
LOWEST WATER LEVEL 141.04 BELOW LSD, OCT. 6, 1975.
RECORDS AVAILABLE: 1945-75.
MAR. 5, 1975 131.23, OCT. 6, 1975 141.04.

373710113381201. LOCAL NUMBER (C-36-16)27CDC-1. STATE APPLICATION 14642-A. W. H. LEIGH. DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM, DIAM 16 IN (41 CM), DEPTH 344 FT (105 M), CASED TO 344 FT (105 M). MP TOP OF CASING AT LSD. WATER LEVEL BELOW LSD.
LSD 5281.08 FT ABOVE MSL.
HIGHEST WATER LEVEL 134.57 BELOW LSD, JUNE 14, 1950.
LOWEST WATER LEVEL 188.16 BELOW LSD, OCT. 6, 1975.
RECORDS AVAILABLE: 1950-75.
MAR. 5, 1975 183.28, OCT. 6, 1975 188.16.

Parowan Valley

375311112514201. LOCAL NUMBER (C-33-9)34C8D-2. STATE CLAIM 5694. DEE ROBINSON. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 4 TO 2 IN (10 TO 5 M), DEPTH 500 FT (152 M), CASED TO 500 FT (152 M). PERFORATED 117-300 FT (36-91 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
LSD 5736 FT ABOVE MSL.
HIGHEST WATER LEVEL 17.65 BELOW LSD, MAR. 14, 1943.
LOWEST WATER LEVEL 67.75 BELOW LSD, JULY 27, 1952.
RECORDS AVAILABLE: 1935-75.
MAR. 11, 1975 28.92.

375257112485601. LOCAL NUMBER (C-33-9)36DCD-1. STATE CLAIM 494. HUGH L. ADAMS. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 6 TO 4 IN (152 TO 10 CM), DEPTH 499 FT (152 M), CASED TO 490 FT (149 M). PERFORATED 75-490 FT (23-149 M). MP TOP OF CONCRETE CURB, AT LSD. WATER LEVEL BELOW LSD.
LSD 5797 FT ABOVE MSL.
HIGHEST WATER LEVEL 24.72 BELOW LSD, MAR. 14, 1943.
LOWEST WATER LEVEL 100.10 BELOW LSD, OCT. 4, 1973.
RECORDS AVAILABLE: 1934-65, 1967-75.
MAR. 6, 1975 70.60, OCT. 9, 1975 88.95.

375241112471701. LOCAL NUMBER (C-34-6)5HCA-1. PARAGUNAH CANAL COMPANY. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 12 IN (30 CM), DEPTH 420 FT (128 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
LSD 5802 FT ABOVE MSL.
HIGHEST WATER LEVEL 13.45 BELOW LSD, JUNE 25, 1949.
LOWEST WATER LEVEL 33.01 BELOW LSD, DEC. 10, 1964.
RECORDS AVAILABLE: 1935-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	24.68	25.57	26.18	25.55	24.24	23.92	23.84	23.48	24.19	24.37	24.58	26.31
10	24.46	25.72	26.19	25.38	24.67	23.00	24.31	23.57	23.69	24.16	24.92	26.47
15	24.48	25.85	26.16	25.20	25.02	23.67	23.95	23.53	24.16	23.94	25.28	26.66
20	24.68	25.96	25.99	25.07	25.28	23.89	24.06	22.98	24.28	23.88	25.60	26.76
25	25.03	26.05	25.86	24.90	24.28	24.11	24.16	23.60	24.12	24.24	25.86	26.76
EOM	25.34	26.12	25.72	24.70	24.81	23.63	24.21	23.95	24.19	24.17	26.03	26.84

375006112553201. LOCAL NUMBER (C-34-10)24AAC-1. STATE APPLICATION 16540. LYLE FARROW. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 12 IN (30 CM), DEPTH 195 FT (59 M), CASED TO 195 (59 M). MP TOP OF CASING, 1.50 (0.5 M) ABOVE LSD. WATER LEVEL BELOW LSD.
LSD 5770 FT ABOVE MSL.
HIGHEST WATER LEVEL 49.75 BELOW LSD, MAR. 22, 1950.
LOWEST WATER LEVEL 94.28 BELOW LSD, OCT. 9, 1975.
RECORDS AVAILABLE: 1948-75.
MAR. 4, 1975 76.70, OCT. 9, 1975 94.28.

Juab County

Juab Valley

Chicken Creek District

393143111523301. LOCAL NUMBER (C-15-1)12ABA-1. STATE CLAIM 10223. R. C. MANGELSON. DRILLED STOCK ARTESIAN WELL IN GRAVEL, DIAM 6 IN (15 CM), DEPTH 117 FT (36 M), CASED TO 117 FT (36 M). MP TOP OF CASING, 1.50 FT (0.5 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5196.90 FT ABOVE MSL.
 HIGHEST WATER LEVEL 48.56 BELOW LSD, MAR. 22, 1954,
 LOWEST WATER LEVEL 62.16 BELOW LSD, JUNE 20, 1936.
 RECORDS AVAILABLE: 1935-75.
 MAR. 11, 1975 53.32, SEP. 16, 1975 54.44.

395242111502701. LOCAL NUMBER (D-11-1)8AAD-1. STATE CLAIM 10642. ORVIL ANDREWS AND OTHERS. JETTED IRRIGATION AND STOCK ARTESIAN WELL IN ALLUVIUM. DIAM 6 IN (15.0 CM), DEPTH 100 FT (30 M), CASED TO 100 FT (30 M). MP TOP OF CASING AT LSD. WATER LEVEL BELOW LSD.
 LSD 4929.30 FT ABOVE MSL.
 HIGHEST WATER LEVEL 5.80 ABOVE LSD, MAY 10, 1958,
 LOWEST WATER LEVEL 27.98 BELOW LSD, AUG. 25, 1972.
 RECORDS AVAILABLE: 1956-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	13.95	12.58	11.26	10.21	9.48	14.96	18.28	21.53	25.53	22.72	17.81	15.00E
10	13.67	12.18	11.03	10.21	9.48	17.22	19.48	23.08	26.29	21.63	17.23	14.50E
15	13.52	12.00	10.95	10.02	9.72	18.62	19.07	23.43	25.60E	20.77	16.75	14.44
20	13.27	11.72	10.73	9.97	11.94	17.26	20.93	24.13	24.56	19.93	16.33	14.11
25	12.97	11.62	10.39	9.63	11.98	16.31	21.98	24.38	24.38	19.20	16.03	13.82
EOM	12.74	11.53	10.34	9.63	13.31	17.21	22.42	25.03	23.77	18.48	15.50E	13.54

394112111522401. LOCAL NUMBER (D-13-1)18BBC-1. STATE APPLICATION 16108. DEE JARRETT. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 12 IN TO 8 IN (30 TO 20 CM), DEPTH 235 FT (72 M), CASED TO 234 (71 M). MP TOP OF CASING, 3.00 FT (0.9 M) BELOW LSD. WATER LEVEL BELOW LSD.
 LSD 5020 FT ABOVE MSL.
 HIGHEST WATER LEVEL 18.22 BELOW LSD, JULY 3, 1951,
 LOWEST WATER LEVEL 49.66 BELOW LSD, AUG. 3, 1965.
 RECORDS AVAILABLE: 1949-51, 1953-75.
 MAR. 12, 1975 30.33.

Snake Valley

(For other wells in this valley see Millard County)

395348112414802. LOCAL NUMBER (C-11-17)18UC-2. LATTER DAY SAINTS CHURCH. UNUSED ARTESIAN OBSERVATION WELL IN ALLUVIUM, DIAM 6 IN (15 CM). MP TOP OF CASING 0.50 FT (0.2 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4330 FT ABOVE MSL.
 HIGHEST WATER LEVEL 4.51 BELOW LSD, MAR. 7, 1972,
 LOWEST WATER LEVEL 5.81 BELOW LSD, SEP. 11, 1972.
 RECORDS AVAILABLE: 1938-54, 1956-75.
 MAR. 4, 1975 5.48, SEP. 9, 1975 4.61.

394149113501101. LOCAL NUMBER (C-13-18)23AAB-2. CHARLES NIELSEN. DRILLED DOMESTIC AND STOCK WELL IN ALLUVIUM. DIAMETER 10 IN (25 CM), DEPTH 40 FT (12 M). MP TOP OF CASING 0.80 FT (0.24 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4600 FT ABOVE MSL.
 HIGHEST WATER LEVEL 2.29 BELOW LSD, MAR. 2, 1973,
 LOWEST WATER LEVEL 14.27 BELOW LSD, OCT. 24, 1961.
 RECORDS AVAILABLE: 1939-52, 1954, 1957-58, 1960-75.
 MAR. 4, 1975 9.97, SEP. 9, 1975 6.76.

Kane County

370050112274501. LOCAL NUMBER (C-44-5)6CBB-1. STATE CLAIM 8194. JUDD BROS. DUG STOCK WATER-TABLE WELL IN ALLUVIUM, DIAM 10 FT (3.0 M), DEPTH 80 FT (24 M), ROCKLINED TO 80 FT (24 M). MP TOP OF CONCRETE COVER OVER WELL, 1.50 FT (0.5 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5000 FT ABOVE MSL.
 HIGHEST WATER LEVEL 51.19 BELOW LSD, DEC. 6, 1952,
 LOWEST WATER LEVEL 62.68 BELOW LSD, MAY 15, 1963.
 RECORDS AVAILABLE: 1935-39, 1950-75.
 OCT. 15, 1975 58.97.

WATER-LEVEL MEASUREMENTS OF WELLS IN UTAH

Kane County-Continued.

370438111395001. LOCAL NUMBER (D-43-2)14BAB-1. CONSUMER AGENCY INC. DRILLED UNUSED WELL IN SANDSTONE, DIAM 10 IN (25 CM), DEPTH 537 FT (164 M), CASSED TO 33 FT (10 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4128.80 FT ABOVE MSL.
 HIGHEST WATER LEVEL 214.11 BELOW LSD, DEC. 31, 1975.
 LOWEST WATER LEVEL 281.61 BELOW LSD, OCT. 15, 1974.
 RECORDS AVAILABLE: 1963-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	217.70E	217.60E	217.40E	217.20E	216.66	216.52	216.31	215.97	215.69	215.44	215.13	214.81
10	217.70E	217.60E	217.40E	217.20E	216.95	216.56	216.30	215.88	215.54	215.27	214.83	214.65
15	217.70E	217.60E	217.30E	217.10E	216.70	216.39	216.09	215.88	215.62	215.38	215.08	214.86
20	217.60E	217.60E	217.30E	217.10E	216.32	216.34	216.08	215.79	215.49	215.21	214.96	214.90
25	217.60E	217.40E	217.30E	216.74	216.66	216.39	216.06	215.68	215.54	215.24	214.88	214.67
EOM	217.60E	217.40E	217.20E	216.97	216.59	216.37	216.03	215.61	215.40	214.91	214.76	214.11

370125111360801. LOCAL NUMBER (D-43-3)32DCA-2. LES TAYLOR. DRILLED UNUSED ARTESIAN WELL IN SANDSTONE, DIAM 16 IN (41 CM), DEPTH 780 FT (238 M), MP TOP OF CASING AT LSD. WATER LEVEL BELOW LSD.
 LSD 3984.34 FT ABOVE MSL.
 HIGHEST WATER LEVEL 112.80 BELOW LSD, DEC. 25, 1975, DEC. 31, 1975.
 LOWEST WATER LEVEL 313.45 BELOW LSD, MAR. 10, 1964.
 RECORDS AVAILABLE: 1963-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	219.36	226.22	228.24	220.47	227.40E	225.90E	224.40	219.38	217.34E	215.54E	214.13	213.07
10	218.00E	223.58	225.85	238.74	227.15E	225.65E	223.10	218.95	217.04E	215.24E	213.79	212.82
15	216.00E	221.80	224.25	231.43	226.90E	225.40E	222.02	218.60E	216.74E	215.00E	213.78	212.74
20	245.35	246.58	223.14	228.15	226.65E	225.15E	221.19	218.30E	216.44E	214.74	213.56	212.70E
25	243.11	234.46	221.98	227.90E	226.40E	224.90E	220.54	218.00E	216.14E	214.55	213.41	112.80E
EOM	229.05	231.74	221.06	227.65E	226.15E	224.65E	219.86	217.64E	215.84E	214.20	213.09	112.80E

370010111302501. LOCAL NUMBER (D-44-4)8BBC-1. U. S. BUREAU OF RECLAMATION. DRILLED UNUSED ARTESIAN WELL IN NAVAJO SANDSTONE, DIAM 20 IN (51 CM), DEPTH 800 FT (244 M), CASSED TO 800 FT (244 M). MP TOP OF CASING AT LSD. WATER LEVEL BELOW LSD.
 LSD 3722.87 FT ABOVE MSL.
 HIGHEST WATER LEVEL 74.46 BELOW LSD, DEC. 31, 1975.
 LOWEST WATER LEVEL 357.07 BELOW LSD, JULY 15, 1964.
 RECORDS AVAILABLE: 1964-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	91.17	91.65	91.68	91.52	91.10E	88.40	83.42	78.55	76.98	76.89	76.85	75.78
10	90.93	91.70E	91.44	91.57	90.99	87.97	82.48	78.26	76.75	76.95	76.35	75.42
15	91.58	91.75E	91.63	91.48	90.64	87.13	81.33	78.15	76.79	77.19	76.45	75.57
20	91.48	91.80E	91.64	91.62	90.06	86.31	80.53	77.96	76.64	77.10	76.24	75.46
25	91.52	91.83E	91.26	91.50E	89.84	85.44	79.79	77.30	76.74	77.22	76.03	75.17
EOM	91.64	91.96	91.44	91.30E	89.27	84.43	79.14	76.98	76.71	76.82	76.01	74.46

Millard County

Pavant Valley

385844112245801. LOCAL NUMBER (C-21-5)21ABA-1. DELBERT CRAPO. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 6 IN (15 CM), DEPTH 246 FT (75 M), CASSED TO 220 FT (67 M). MP TOP OF CASING, 1.50 FT (0.5 M) ABOVE LSD. WATER LEVEL ABOVE (+) AND BELOW LSD.
 LSD 4744.44 FT ABOVE MSL.
 HIGHEST WATER LEVEL 1.96 ABOVE LSD, FEB. 24, 1949.
 LOWEST WATER LEVEL 83.02 BELOW LSD, JULY 20, 1965.
 RECORDS AVAILABLE: 1929-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	33.26	31.59	30.24	30.26	39.99	.....	.....	48.77	47.10E	44.94	37.39	34.52
10	32.92	31.21	30.04	30.65	42.04	.....	.....	46.00	47.70E	43.43	36.74	34.08
15	32.71	31.03	29.80E	33.05E	.....	.....	.....	44.67	48.40E	43.40	36.27	33.96
20	32.36	30.80	29.60E	36.88	.....	.....	.....	45.30E	46.42	42.75	35.77	33.67
25	32.03	30.68	29.41	39.74	.....	.....	.....	45.90E	45.87	39.72	35.28	33.42
EOM	31.87	30.60	29.48	39.60	46.00E	48.00E	49.00E	46.50E	43.38	38.30	34.95E	32.93

Pavant Valley-Continued.

385654112240701. LOCAL NUMBER (C-21-5)34BAA-1. STATE CLAIM 17381. FRANK SWEETING. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 8 IN (20 CM), DEPTH 190 FT (58 M), CASIED TO 190 FT (58 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4772.80 FT ABOVE MSL.
 HIGHEST WATER LEVEL 25.71 BELOW LSD, MAR. 30, 1949.
 LOWEST WATER LEVEL 119.42 BELOW LSD, AUG. 23, 1966.
 RECORDS AVAILABLE: 1942-75.
 MAR. 5, 1975 58.19, SEP. 16, 1975 66.11.

385053112252402. LOCAL NUMBER (C-22-5)33CDD-2. STATE APPLICATION A-13367. LAVOY KIMBALL. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 16 IN (41 CM), DEPTH 270 FT (82 M), CASIED TO 270 FT (82 M), PERFORATED 127-266 FT (39-83 M). MP TOP OF CASING 0.97 FT (0.30 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4834.69 FT ABOVE MSL.
 HIGHEST WATER LEVEL 65.86 BELOW LSD, MAR. 6, 1975.
 LOWEST WATER LEVEL 100.88 BELOW LSD, SEP. 14, 1972.
 RECORDS AVAILABLE: 1959-65, 1968-75.
 MAR. 6, 1975 65.86, SEP. 17, 1975 75.71.

384935112305001. LOCAL NUMBER (C-23-6)10BDD-1. STATE APPLICATION 19930. WILLIAM ROGERS. DRILLED UNUSED ARTESIAN WELL IN LAVA, DIAM 16 IN (41 CM), DEPTH 132 FT (40 M), CASIED TO 132 FT (40 M), PERFORATED 50-116 FT (15-35 M). MP TOP OF CASING, 0.50 FT (0.15 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4751.90 FT ABOVE MSL.
 HIGHEST WATER LEVEL 41.20 BELOW LSD, DEC. 4, 1953.
 LOWEST WATER LEVEL 151.28 BELOW LSD, SEP. 10, 1973.
 RECORDS AVAILABLE: 1953-75.
 MAR. 6, 1975 73.88, SEP. 17, 1975 96.46.

Sevier Desert

392952112190701. LOCAL NUMBER (C-15-4)20DCC-2. SPENCER NIELSON. DRILLED STOCK WATER-TABLE WELL IN ALLUVIUM, DIAM 6 IN (15 CM), DEPTH 220 FT (67 M), CASIED TO 220 FT (67 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4817 FT ABOVE MSL.
 HIGHEST WATER LEVEL 127.05 BELOW LSD, MAR. 1, 1972.
 LOWEST WATER LEVEL 135.99 BELOW LSD, AUG. 22, 1969.
 RECORDS AVAILABLE: 1967-75.
 MAR. 7, 1975 127.48, AUG. 8, 1975 130.31.

393048112390501. LOCAL NUMBER (C-15-7)17DAD-1. STATE CLAIM 18938. I. H. LOSEE. JETTED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 1 1/2 IN (4 CM), DEPTH 235 FT (72 M), CASIED TO 235 FT (72 M). MP TOP OF CASING, 0.40 FT (0.12 M) ABOVE LSD. WATER LEVEL ABOVE (+) AND BELOW LSD.
 LSD 4588.10 FT ABOVE MSL.
 HIGHEST WATER LEVEL 3.71 ABOVE LSD, JAN. 7, 1966.
 LOWEST WATER LEVEL 10.54 BELOW LSD, AUG. 26, 1974.
 RECORDS AVAILABLE: 1937-51, 1953-75.
 MAR. 4, 1975 3.96, AUG. 25, 1975 6.77.

392753112383001. LOCAL NUMBER (C-16-7)4AB8-1. L. N. HINCKLEY. JETTED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 1 1/4 IN (3 CM), DEPTH 324 FT (99 M), CASIED TO 309 FT (94 M). MP TOP OF REDUCING ELL, 3.00 FT (0.9 M) ABOVE LSD. WATER LEVEL ABOVE (+) AND BELOW LSD.
 LSD 4584 FT ABOVE MSL.
 HIGHEST WATER LEVEL 10.00 ABOVE LSD, APR. 2, 1952.
 LOWEST WATER LEVEL 6.84 BELOW LSD, AUG. 25, 1967.
 RECORDS AVAILABLE: 1935-75.
 MAR. 4, 1975 + 4.05, AUG. 26, 1975 + 3.35.

392416112445201. LOCAL NUMBER (C-16-8)210DD-1. STATE CLAIM 768. LEWIS ELLSWORTH. JETTED STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 CM), DEPTH 125 FT (38 M), CASIED TO 125 FT (38 M). MP TOP OF COUPLING, 0.80 FT (0.24 M) ABOVE LSD. WATER LEVEL ABOVE (+) AND BELOW LSD.
 LSD 4575.30 FT ABOVE MSL.
 HIGHEST WATER LEVEL 3.60 ABOVE LSD, APR. 8, 1954.
 LOWEST WATER LEVEL 19.42 BELOW LSD, AUG. 26, 1968.
 RECORDS AVAILABLE: 1942-75.
 MAR. 6, 1975 10.18, AUG. 26, 1975 17.89.

391919112400901. LOCAL NUMBER (C-17-7)20CBB-1. STATE CLAIM 12287. W. J. WEBB. JETTED STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 1 1/4 IN (3 CM), DEPTH 356 FT (109 M), CASIED TO 356 FT (109 M). MP TOP OF CONCRETE TROUGH, 0.60 FT (0.18 M) ABOVE LSD. WATER LEVEL ABOVE (+) AND BELOW LSD.
 LSD 4592.40 FT ABOVE MSL.
 HIGHEST WATER LEVEL 6.45 ABOVE LSD, JULY 21, 1942.
 LOWEST WATER LEVEL 6.23 BELOW LSD, AUG. 26, 1975.
 RECORDS AVAILABLE: 1936-75.
 MAR. 5, 1975 4.77, AUG. 26, 1975 6.23.

Snake Valley

(For other wells in this valley see Juab County)

391324114000001. LOCAL NUMBER (C-18-19)20DDD-1. STATE CLAIM 7420. LOUISE ROBINSON. DRILLED DOMESTIC ARTESIAN WELL IN ALLUVIUM, DIAM 6 IN (15 CM), DEPTH 90 FT (27 M), CASED TO 90 FT (27 M). MP TOP OF COUPLING, 0.80 FT (0.24 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4989.20 FT ABOVE MSL.
 HIGHEST WATER LEVEL 21.85 BELOW LSD, SEP. 10, 1970.
 LOWEST WATER LEVEL 38.61 BELOW LSD, SEP. 21, 1971.
 RECORDS AVAILABLE: 1937-52, 1954, 1956-75.
 MAR. 4, 1975 26.39.

384936112592601. LOCAL NUMBER (C-23-19)9CDB-1. THOMAS DEARDEN. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 5 IN (13 CM), DEPTH 270 FT (82 M), CASED TO 270 FT (82 M). MP TOP OF COUPLING, 1.10 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5400 FT ABOVE MSL.
 HIGHEST WATER LEVEL 10.16 BELOW LSD, SEP. 10, 1975.
 LOWEST WATER LEVEL 16.27 BELOW LSD, DEC. 1, 1937.
 RECORDS AVAILABLE: 1936-48, 1950-54, 1956-57, 1959-75.
 MAR. 4, 1975 10.52, SEP. 10, 1975 10.16.

Morgan County

Morgan Valley

405848111403701. LOCAL NUMBER (A-3-2)24CBA-1. STATE CLAIM 12405. HYRUM ADAMS. DUG DOMESTIC WATER-TABLE WELL IN ALLUVIUM, DIAM 24 IN (61 CM), DEPTH 19 FT (6 M), CONCRETE LINED. MP TOP OF CONCRETE CURB, 0.80 FT (0.24 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5155 FT ABOVE MSL.
 HIGHEST WATER LEVEL 8.48 BELOW LSD, JULY 27, 1965.
 LOWEST WATER LEVEL 17.91 BELOW LSD, MAR. 4, 1964.
 RECORDS AVAILABLE: 1936-40, 1942-75.
 MAR. 19, 1975 16.55, SEP. 9, 1975 10.24.

410219111393701. LOCAL NUMBER (A-4-3)31CAB-1. STATE CLAIM 12410. COMO SPRINGS RESORT. DRILLED UNUSED ARTESIAN WELL IN LIMESTONE AND SHALE, DIAM 6 IN (15 CM), DEPTH 40 FT (12 M). MP TOP OF COUPLING, 1.50 FT (0.5 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5080 FT ABOVE MSL.
 HIGHEST WATER LEVEL 1.05 BELOW LSD, MAY 31, 1938.
 LOWEST WATER LEVEL 4.17 BELOW LSD, MAR. 31, 1955.
 RECORDS AVAILABLE: 1937-75.
 MAR. 19, 1975 2.99, SEP. 9, 1975 1.90.

410821111493101. LOCAL NUMBER (A-5-1)27DB. E. R. FRANCE. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 6 IN (15 CM), DEPTH 150 FT (46 M). MP TOP OF CASING, AT LSD. WATER LEVEL BELOW LSD.
 LSD 4840 FT ABOVE MSL.
 HIGHEST WATER LEVEL 0.16 BELOW LSD, MAR. 24, 1969.
 LOWEST WATER LEVEL 2.60 BELOW LSD, MAR. 21, 1961.
 RECORDS AVAILABLE: 1936-75.
 MAR. 19, 1975 1.13.

Plute County

Upper Sevier Valley

(For other wells in this valley see Garfield, Sanpete, and Sevier Counties)

382615111534001. LOCAL NUMBER (C-27-1)27ABC-2. STATE CLAIM 2905. H. B. CRANDALL. JETTED STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 2 FT (0.6 M), DEPTH 260 FT (79 M). MP TOP OF CASING, 2.00 FT (0.6 M) ABOVE LSD. WATER LEVEL ABOVE LSD.
 LSD 6739.26 FT ABOVE MSL.
 HIGHEST WATER LEVEL 5.33 ABOVE LSD, DEC. 20, 1938.
 LOWEST WATER LEVEL 1.14 ABOVE LSD, NOV. 14, 1967.
 RECORDS AVAILABLE: 1937-53, 1955-56, 1958-75.
 MAR. 12, 1975 + 3.25, OCT. 6, 1975 + 4.32.

380915112003001. LOCAL NUMBER (C-30-2)34BCC-1. VAN WYLEY. DUG UNUSED WATER-TABLE WELL IN ALLUVIUM, DIAM 24 IN (61 CM), DEPTH 20 FT (6 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 6370 FT ABOVE MSL.
 HIGHEST WATER LEVEL 10.69 BELOW LSD, JULY 31, 1962.
 LOWEST WATER LEVEL 14.96 BELOW LSD, MAR. 20, 1974.
 RECORDS AVAILABLE: 1957, 1960-75.
 MAR. 31, 1975 14.90, OCT. 8, 1975 14.29.

Upper Sevier Valley--Continued

381220112114001. LOCAL NUMBER (C-30-3)15BBA-1. O. P. JESSON. DUG UNUSED WATER-TABLE WELL IN ALLUVIUM, DIAM 24 IN (61 CM), DEPTH 40 FT (12 M), CASED TO 40 FT (12 M). MP TOP OF CONCRETE CURB, 0.50 FT (0.15 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 6006.50 FT ABOVE MSL.
 HIGHEST WATER LEVEL 8.13 BELOW LSD, AUG. 24, 1937.
 LOWEST WATER LEVEL 28.08 BELOW LSD, MAR. 20, 1961.
 RECORDS AVAILABLE: 1935-75.
 MAR. 13, 1975 22.69, OCT. 21, 1975 12.88.

381015112144001. LOCAL NUMBER (C-30-3)30CAA-1. U. S. GEOLOGICAL SURVEY. DRILLED OBSERVATION ARTESIAN WELL IN ALLUVIUM, DIAM 4 IN (10 CM), DEPTH 563 FT (172 M), CASED TO 400 FT (122 M). MP TOP OF CASING, 1.50 FT (0.5 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 6055 FT ABOVE MSL.
 HIGHEST WATER LEVEL 15.31 BELOW LSD, OCT. 2, 1973.
 LOWEST WATER LEVEL 24.22 BELOW LSD, SEP. 26, 1950.
 RECORDS AVAILABLE: 1960-75.
 MAR. 13, 1975 21.49, OCT. 1, 1975 18.28.

380924112162301. LOCAL NUMBER (C-30-4)35DAB-1. U. S. GEOLOGICAL SURVEY TEST HOLE. DRILLED OBSERVATION ARTESIAN WELL IN SAND AND GRAVEL, DIAM 6 IN (15 CM), DEPTH 510 FT (155 M), CASED TO 510 FT (155 M), PERFORATED 18-207 FT (5-63 M). MP TOP OF CASING, 0.50 FT (0.15 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 6080 FT ABOVE MSL.
 HIGHEST WATER LEVEL 37.06 BELOW LSD, SEP. 30, 1968.
 LOWEST WATER LEVEL 49.37 BELOW LSD, MAR. 19, 1965.
 RECORDS AVAILABLE: 1962-75.
 MAR. 13, 1975 45.96, OCT. 1, 1975 41.00.

Rich County

Bear Lake Valley

415124111225401. LOCAL NUMBER (A-13-5)21DAB-1. STATE CLAIM 8222. WILLIS BROTHERS. BORED UNUSED ARTESIAN WELL IN GRAVEL, DIAM 15 IN (38 CM), DEPTH 70 FT (21 M), CASED TO 70 FT (21 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL ABOVE (+) AND BELOW LSD.
 LSD 990 FT ABOVE MSL.
 HIGHEST WATER LEVEL 0.22 ABOVE LSD, MAY 7, 1962.
 LOWEST WATER LEVEL 19.78 BELOW LSD, SEP. 10, 1974.
 RECORDS AVAILABLE: 1936-48, 1950-75.
 MAR. 13, 1975 1.62, OCT. 16, 1975 5.40.

Upper Bear River Valley

413136111094001. LOCAL NUMBER (A-9-7)9CDC-1. STATE APPLICATION 16733. JAMES STUART. DRILLED DOMESTIC ARTESIAN WELL IN ALLUVIUM, DIAM 6 IN (15 CM), DEPTH 57 FT (17 M), CASED TO 47 FT (14 M). MP TOP OF CASING, 6.00 FT (2.4 M) BELOW LSD. WATER LEVEL BELOW LSD.
 LSD 6540 FT ABOVE MSL.
 HIGHEST WATER LEVEL 12.60 BELOW LSD, SEP. 1, 1971.
 LOWEST WATER LEVEL 39.13 BELOW LSD, OCT. 10, 1961.
 RECORDS AVAILABLE: 1948-75.
 MAR. 13, 1975 38.05, OCT. 16, 1975 24.09.

413124111071602. LOCAL NUMBER (A-9-7)26CDD-2. DESERET LIVESTOCK CO. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 6 IN (15 CM), DEPTH 300 FT (91 M). MP TOP OF CASING, 0.50 FT (0.15 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 6320 FT ABOVE MSL.
 HIGHEST WATER LEVEL 18.12 BELOW LSD, MAR. 16, 1966.
 LOWEST WATER LEVEL 20.94 BELOW LSD, MAY 7, 1962.
 RECORDS AVAILABLE: 1946-51, 1953-59, 1962-75.
 MAR. 13, 1975 18.82, OCT. 16, 1975 18.42.

414214111093601. LOCAL NUMBER (A-11-7)9CD-1. FRANK H. JACKSON. DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM, DIAM 6 IN (15 CM), DEPTH 25 FT (8 M), CASED TO 25 FT (8 M). MP TOP OF CASING, 0.80 FT (0.24 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 6225 FT ABOVE MSL.
 HIGHEST WATER LEVEL 6.65 BELOW LSD, SEP. 12, 1967.
 LOWEST WATER LEVEL 16.55 BELOW LSD, JAN. 22, 1941.
 RECORDS AVAILABLE: 1936-59, 1961-65, 1967-75.
 MAR. 13, 1975 15.07, OCT. 16, 1975 8.53.

WATER-LEVEL MEASUREMENTS OF WELLS IN UTAH

Upper Bear River valley-Continued.

414539111073401. LOCAL NUMBER (A-12-7)26588-2. W. HUFFMAN. DRILLED STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 6 IN (15 CM), DEPTH 60 FT (18 M), CASED TO 50 FT (15 M), MP TOP OF CONCRETE PUMPHOUSE, 0.70 FT (0.21 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 6250 FT ABOVE MSL.
 HIGHEST WATER LEVEL 2.95 BELOW LSD, JUNE 6, 1939.
 LOWEST WATER LEVEL 9.77 BELOW LSD, OCT. 8, 1940.
 RECORDS AVAILABLE: 1936-75.
 MAR. 13, 1975 8.45, OCT. 16, 1975 8.39.

Salt Lake County

Jordan Valley

404659112005601. LOCAL NUMBER (B-1-2)36BAA-1. STATE CLAIM 18176. E. J. JEREMY. JETTED STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 CM), DEPTH 464 FT (141 M), MP TOP OF CONCRETE BLOCK, 3.50 FT (1.1 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 4223.60 FT ABOVE MSL.
 HIGHEST WATER LEVEL 15.50 ABOVE LSD, DEC. 16, 1944.
 LOWEST WATER LEVEL 7.80 ABOVE LSD, JULY 17, 1957.
 RECORDS AVAILABLE: 1931-33, 1941-53, 1955-75.
 FEB. 18, 1975 + 10.70, SEP. 8, 1975 + 10.30.

404403111562001. LOCAL NUMBER (C-1-1)15BDD-11. STATE APPLICATION 13750. SOUVALL BROTHERS. JETTED ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 CM), DEPTH 455 FT (139 M), MP BOTTOM OF RECORDER SHELTER, 0.50 FT (0.15 M) ABOVE LSD. WATER LEVEL ABOVE LSD.
 LSD 4230 FT ABOVE MSL.
 HIGHEST WATER LEVEL 24.00 ABOVE LSD, MAY 25, 1973.
 LOWEST WATER LEVEL 8.00 ABOVE LSD, SEP. 20, 1964, JULY 20, 1970, JULY 25, 1970, AUG. 10, 1970, AUG. 15, 1970.
 RECORDS AVAILABLE: 1956-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	13.40	13.80	14.30	13.80	13.50	13.70	12.70	12.00	11.30	11.00	13.00	13.00E
10	13.10	13.80E	13.90	14.00	14.00E	13.30	12.60	11.70	11.50	11.30E	12.80	13.00E
15	13.00	13.70	13.80E	13.70	14.50	13.30	12.50	11.40	11.40E	11.70E	13.00	13.00E
20	14.00	13.50	13.80	13.80E	13.00	13.00	12.20	11.60E	11.30	12.00E	12.70	13.00E
25	14.20	14.00	13.50	13.90E	13.40E	13.00	12.00E	11.90	11.50	12.30E	13.00	13.00E
EOM	14.00	14.00	13.40	14.00	13.70	12.80E	11.70	11.60E	11.00	12.70	13.00E	13.00

404259112034301. LOCAL NUMBER (C-1-2)22CBB-1. F. E. FOWLER. JETTED DOMESTIC ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 CM), DEPTH 110 FT (34 M), CASED TO 110 FT (34 M), MP TOP OF CASING, 3.20 FT (1.0 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 4231.61 FT ABOVE MSL.
 HIGHEST WATER LEVEL 17.20 ABOVE LSD, SEP. 21, 1953.
 LOWEST WATER LEVEL 7.51 ABOVE LSD, APR. 21, 1966.
 RECORDS AVAILABLE: 1931-32, 1934-75.
 FEB. 18, 1975 + 10.70, SEP. 8, 1975 + 13.10.

403916111575901. LOCAL NUMBER (C-2-1)9CCC-1. STATE APPLICATION 31266. SALT LAKE COUNTY CONSERVANCY DISTRICT. DRILLED ARTESIAN UNUSED PUBLIC SUPPLY WELL IN ALLUVIUM, DIAM 16 IN (41 CM), DEPTH 795 FT (242 M), PERFORATED 187-372 (57-113 M), MP TOP OF CASING, 2.10 FT (0.6 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4461 FT ABOVE MSL.
 HIGHEST WATER LEVEL 49.75 BELOW LSD, OCT. 25, 1971.
 LOWEST WATER LEVEL 67.35 BELOW LSD, APR. 5, 1966.
 RECORDS AVAILABLE: 1966-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	56.81	57.01	57.26	57.58	57.90	58.03	57.65	56.89	56.32	55.94	56.07	56.43
10	56.72	56.96	57.30	57.73	58.01	57.99	57.56	56.78	56.18	55.88	56.05	56.52
15	56.86	57.08	57.43	57.77	58.00	57.89	57.33	56.72	56.14	55.92	56.19	56.66
20	56.87	57.10	57.45	57.86	57.96	57.76	57.26	56.60	56.08	55.94	56.25	56.76
25	56.88	57.24	57.34	57.80	58.11	57.69	57.18	56.46	56.00	55.95	56.32	56.83
EOM	56.95	57.28	57.47	57.93	58.06	57.70	57.04	56.33	56.00	55.99	56.38	56.81

Jordan Valley-Continued.

403757111533501. LOCAL NUMBER (C-2-1)24ADC-1. STATE CLAIM 16012. J. D. BLAIN. JETTED UNUSED ARTESIAN WELL IN ALLUVIUM, 3 IN (0.9 M), DEPTH 160 FT (49 M), CASED TO 127 FT (39 M). MP TOP OF CASING, 0.50 FT (0.15 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4343.85 FT ABOVE MSL.
 HIGHEST WATER LEVEL 19.88 BELOW LSD, DEC. 28, 1949.
 LOWEST WATER LEVEL 41.58 BELOW LSD, SEP. 4, 1974.
 RECORDS AVAILABLE: 1931-75.
 FEB. 18, 1975 33.32, SEP. 8, 1975 40.97.

404357111503901. LOCAL NUMBER (D-1-1)16CAA-1. STATE CLAIM 4847. SALT LAKE CITY CORP. DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM, DIAM 20 IN (51 CM), DEPTH 502 FT (153 M), CASED TO 502 FT (153 M), PERFORATED 90-486 FT (27-148 M). MP TOP OF CASING, AT LSD. WATER LEVEL BELOW LSD.
 LSD 4489.69 FT ABOVE MSL.
 HIGHEST WATER LEVEL 48.42 BELOW LSD, JULY 24, 1938.
 LOWEST WATER LEVEL 70.65 BELOW LSD, APR. 29, 1935.
 RECORDS AVAILABLE: 1934-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	53.04	53.44	53.80	54.11	54.03	50.38	51.28	52.02	52.33	52.41	53.13	53.39
10	53.09	53.53	53.85	54.19	53.89	50.44	51.46	52.08	52.39	52.88	53.14	53.43
15	53.19	53.58	53.91	54.22	52.17	50.42	51.58	52.13	52.46	52.96	53.19	53.51
20	53.24	53.65	53.95	54.26	50.34	50.62	51.72	52.19	52.53	52.99	53.25	53.55E
25	53.28	53.74	53.94	54.19	50.18	50.83	51.83	52.22	52.52	53.05	53.29	53.60E
EOM	53.39	53.76	54.04	54.14	50.29	51.06	51.95	52.27	52.71	53.10	53.36	53.65E

404017111502101. LOCAL NUMBER (D-2-1)4DBD-4. A. C. ROBBINS. JETTED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 3 IN (8 CM), DEPTH 118 FT (36 M), CASED TO 118 FT (36 M). MP TOP OF REDUCER, 0.25 FT (0.08 M) ABOVE LSD. WATER LEVEL ABOVE (+) AND BELOW LSD.
 LSD 4384.13 FT ABOVE MSL.
 HIGHEST WATER LEVEL 7.00 ABOVE LSD, AUG. 27, 1952.
 LOWEST WATER LEVEL 26.80 BELOW LSD, APR. 2, 1962.
 RECORDS AVAILABLE: 1931-75.
 JULY 28, 1975 15.76G, AUG. 28, 1975 14.66G, SEP. 8, 1975 15.16, SEP. 29, 1975 15.91G,
 OCT. 29, 1975 19.90G, NOV. 26, 1975 21.52G.

403452111484301. LOCAL NUMBER (D-3-1)2CCC-1. STATE CLAIM 25558. METROPOLITAN WATER DISTRICT. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 24 IN (61 CM), DEPTH 1007 FT (307 M), PERFORATED 525 TO 990 FT (160 TO 302 M). MP TOP OF FLANGE AT LSD. WATER LEVEL BELOW LSD.
 LSD 5000 FT ABOVE MSL.
 HIGHEST WATER LEVEL 515.66 BELOW LSD, NOV. 25, 1958.
 LOWEST WATER LEVEL 545.70 BELOW LSD, SEP. 5, 1967.
 RECORDS AVAILABLE: 1956.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	531.07	530.97	531.26	532.84	534.12	535.91	538.10	538.36	535.87	534.87	531.79	530.04
10	530.87	530.67	531.52	533.27	534.54	536.31	538.50	538.09	535.80	534.31	531.20	529.78
15	531.20	530.88	532.01	533.30	534.66	536.68	538.51	537.41	535.39	534.00	531.07	530.02
20	530.95	530.84	532.16	533.72	534.95	536.92	538.96	536.80	535.38	533.39	530.79	529.95
25	530.79	531.23	532.07	533.57	535.30	536.66	539.10	535.91	535.16	532.79	530.59	529.83
EOM	530.90	531.34	532.65	534.23	535.34	537.16	539.00	535.48	535.17	532.29	530.20	529.22

403330111531501. LOCAL NUMBER (D-3-1)18CHA-1. STATE APPLICATION 25067. SANDY CITY CORP. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 16 IN (41 CM) TO 350 FT (107 M), 12 IN (30 CM) FROM 350-741 FT (107-226 M), 10 IN (25 CM) FROM 741-1150 FT (226-351 M), PERFORATED 400 TO 1150 FT (122 TO 351 M). MP TOP OF CASING 1.15 FT (0.4 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4414 FT ABOVE MSL.
 HIGHEST WATER LEVEL 23.67 BELOW LSD, JULY 5, 1967.
 LOWEST WATER LEVEL 75.34 BELOW LSD, AUG. 4, 1964.
 RECORDS AVAILABLE: 1964-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	69.50E	69.71	69.41	69.86	70.39	72.43	72.93	74.18	74.02	72.66	69.49	69.17
10	69.48	69.56	69.47	70.00	70.44	72.36	73.30	74.36	73.91	71.97	69.21	69.14
15	69.60	69.33	69.67	70.15	71.15	72.97	73.12	74.02	72.83	71.46	69.13	69.21
20	69.57	69.25	69.66	70.37	72.35	71.97	73.33	74.17	72.78	71.03	69.04	69.23
25	69.56	69.36	69.58	70.41	72.10	71.26	74.00	73.77	73.00	40.36	69.04	69.20
EOM	69.62	69.39	69.82	70.40	72.31	72.19	74.20	73.80	72.94	69.87	69.20	69.03

WATER-LEVEL MEASUREMENTS OF WELLS IN UTAH

San Juan County

San Juan River Area - Spanish Valley - La Sal Area

381322109235801. LOCAL NUMBER (D-29 1/2-23)3308B-1. STATE APPLICATION 13070. U. S. BUREAU OF LAND MANAGEMENT. DRILLED UNUSED WATER-TABLE WELL IN NAVAJO SANDSTONE, DIAM 8 IN (20 CM), DEPTH 133 FT (41 M), CASED TO 6 FT (1.8 M). MP TOP OF CASING AT LSD. WATER LEVEL BELOW LSD.
LSD 5670 FT ABOVE MSL.

HIGHEST WATER LEVEL 29.02 BELOW LSD, OCT. 12, 1954.

LOWEST WATER LEVEL 40.29 BELOW LSD, SEP. 4, 1973.

RECORDS AVAILABLE: 1946-75.

MAR. 11, 1975 29.24, SEP. 17, 1975 32.70.

380425109204201. LOCAL NUMBER (D-31-23)2408B-1. STATE APPLICATION 33066. K. S. SUMMERS. DRILLED STOCK WATER-TABLE WELL IN NAVAJO SANDSTONE, DIAM 4 IN (10 CM), DEPTH 164 FT (50 M), CASING DEPTH UNKNOWN. MP TOP OF CASING, 2.00 FT (5.1 M) ABOVE LSD. WATER LEVEL BELOW LSD.
LSD 5980 FT ABOVE MSL.

HIGHEST WATER LEVEL 63.23 BELOW LSD, MAR. 11, 1975.

LOWEST WATER LEVEL 68.13 BELOW LSD, MAR. 22, 1972.

RECORDS AVAILABLE: 1966-75.

MAR. 11, 1975 63.23, SEP. 17, 1975 64.09.

Sage Plain

385802109191301. LOCAL NUMBER (D-33-24)30DAB-1. A. E. C. DRILLED UNUSED WELL IN SANDSTONE, DIAM 10 IN (25 CM), DEPTH 319 FT (97 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.

LSD 6916 FT ABOVE MSL.

HIGHEST WATER LEVEL 14.39 BELOW LSD, OCT. 25, 1973.

LOWEST WATER LEVEL 202.89 BELOW LSD, JULY 25, 1958.

RECORDS AVAILABLE: 1955-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	164.32	163.98	163.80	163.66	163.37	163.63E	163.91	164.04	164.41	164.48	165.95	165.25
10	163.91	163.82	163.57	163.67	163.78	163.65E	163.95	164.08	164.33	164.39	165.47	165.13
15	164.43	163.77	163.66	163.66	163.62	163.68E	163.92	164.16	164.41	164.91	165.64	165.26
20	164.22	163.77	163.76	163.75	163.20	163.71	163.92	164.17	164.31	164.67	165.45	165.33
25	164.20	163.99	163.39	163.36	163.57E	163.78	163.98	164.18	164.49	165.56	165.30	165.07
EOM	164.03	164.07	163.49	163.59	163.60E	163.91	163.97	164.30	164.40	166.26	165.13	164.46

375050109034801. LOCAL NUMBER (D-34-26)40DAD-1. STATE CLAIM 8249. STATE LAND BOARD. DRILLED UNUSED WATER-TABLE WELL IN DAKOTA SANDSTONE, DIAM 6 IN (15 CM), DEPTH 100 FT (30 M), CASING DEPTH UNKNOWN. MP TOP OF CASING 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.

LSD 6725 FT ABOVE MSL.

HIGHEST WATER LEVEL 28.36 BELOW LSD, MAR. 15, 1973.

LOWEST WATER LEVEL 45.41 BELOW LSD, OCT. 30, 1953.

RECORDS AVAILABLE: 1946-51, 1953-75.

MAR. 11, 1975 35.13, SEP. 17, 1975 35.19.

373725109284101. LOCAL NUMBER (D-36-22)22DAA-1. STATE APPLICATION 16376. JOSEPH L. NIELSON. DRILLED STOCK ARTESIAN WELL, DIAM 7 IN (18 CM), DEPTH 140 FT (43 M). MP TOP OF RECORDER PLATFORM, 3.00 FT (0.9 M) ABOVE LSD. WATER LEVEL BELOW LSD.
LSD 6200 FT ABOVE MSL.

HIGHEST WATER LEVEL 5.14 BELOW LSD, MAR. 31, 1965.

LOWEST WATER LEVEL 78.82 BELOW LSD, APR. 15, 1975.

RECORDS AVAILABLE: 1960-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	47.10E	47.74	48.09	48.59	48.73	48.78	47.56	46.65	46.21	45.99	45.90	45.81
10	47.18	47.67	47.93	48.71	49.32	48.67	47.47	46.47	46.01	45.85	45.52	45.76
15	47.91	47.69	48.14	78.82	49.09	48.30	47.11	46.44	46.16	45.97	45.87	46.07
20	47.69	47.81	48.34	49.03	48.52	48.18	47.06	46.29	45.89	45.86	45.80	46.17
25	47.73	48.18	48.02	48.64	48.97	48.03	46.88	46.11	45.99	45.91	45.65	45.91
EOM	47.69	48.32	48.26	49.06	48.89	47.86	46.66	46.09	45.90	45.54	45.74	45.26

373725109284101. LOCAL NUMBER (D-36-22)27DDB-2. M. F. LYMAN. DRILLED UNUSED ARTESIAN WELL IN DAKOTA SANDSTONE, DIAM 5 IN (13 CM), DEPTH 150 FT (46 M), CASED TO 34 FT (10 M). MP TOP OF CASING, 0.15 FT (0.05 M) BELOW LSD. WATER LEVEL BELOW LSD.

LSD 6100 FT ABOVE MSL.

HIGHEST WATER LEVEL 45.01 BELOW LSD, MAR. 11, 1975.

LOWEST WATER LEVEL 75.81 BELOW LSD, SEP. 19, 1974.

RECORDS AVAILABLE: 1942-75.

MAR. 11, 1975 45.01.

Sanpete County

Central Sevier Valley

(For other wells in this valley see Garfield, Piute, and Sevier Counties)

390834111534301. LOCAL NUMBER (C-19-1)23BCC-1. STATE CLAIM 1457. C. H. BEAL. DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM, DIAM 12 IN (30 CM), DEPTH 186 FT (57 M), CASED TO 186 FT (57 M), PERFORATED 50-186 FT (15-57 M). MP BOTTOM OF HOLE IN PUMPHOUSE, 0.50 FT (0.15 CM) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5500 FT ABOVE MSL.
 HIGHEST WATER LEVEL 29.52 BELOW LSD, DEC. 6, 1945.
 LOWEST WATER LEVEL 38.37 BELOW LSD, MAR. 8, 1971.
 RECORDS AVAILABLE: 1935-75.
 MAR. 11, 1975 32.89, OCT. 10, 1975 30.52.

390324111492401. LOCAL NUMBER (D-20-1)20ACC-2. STATE CLAIM 6356. LEO ANDERSON. DUG DOMESTIC AND WATER-TABLE WELL IN ALLUVIUM, DIAM 4 FT (1.2 M), DEPTH 66 FT (20 M), LINED WITH ROCK. MP IS FLOOR IN PUMPHOUSE, AT LSD. WATER LEVEL BELOW LSD.
 LSD 5160 FT ABOVE MSL.
 HIGHEST WATER LEVEL 23.13 BELOW LSD, OCT. 16, 1975.
 LOWEST WATER LEVEL 48.52 BELOW LSD, APR. 22, 1936.
 RECORDS AVAILABLE: 1935-56, 1958-75.
 MAR. 11, 1975 28.19, OCT. 16, 1975 23.13.

Sanpete Valley

393123111364801. LOCAL NUMBER (D-15-3)8CDA-3. STATE CLAIM 13671. WILLIAM PRESTWICH. JETTED STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 1 1/2 IN (4 CM), DEPTH 75 FT (23 M), CASED TO 75 FT (23 M). MP TOP OF WELL ON 0.75 IN (2 CM) DISCHARGE PIPE, 0.40 FT (0.12 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 5513 FT ABOVE MSL.
 HIGHEST WATER LEVEL 3.84 ABOVE LSD, MAR. 27, 1954.
 LOWEST WATER LEVEL 0.30 ABOVE LSD, SEP. 7, 1966.
 RECORDS AVAILABLE: 1937-56, 1958-62, 1965-75.
 MAR. 5, 1975 + 2.74, SEP. 5, 1975 + 3.34.

393220111282701. LOCAL NUMBER (D-15-4)4DDA-1. STATE CLAIM 3606. TWIN CREEK IRRIGATION CO. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 12 IN (30 CM), DEPTH 245 FT (75 M), CASED TO 245 FT (75 M), PERFORATED 18 TO 240 FT (5 TO 73 M). MP BOTTOM OF INSPECTION HOLE, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5820.05 FT ABOVE MSL.
 HIGHEST WATER LEVEL 4.82 BELOW LSD, AUG. 11, 1942.
 LOWEST WATER LEVEL 31.62 BELOW LSD, APR. 5, 1962.
 RECORDS AVAILABLE: 1935-75.
 MAR. 3, 1975 15.03.

392047111354901. LOCAL NUMBER (D-17-3)9CBD-1. STATE CLAIMS 4446 AND 8260. S. E. CHRISTENSEN. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 10 IN (25 CM), DEPTH 285 FT (87 M), CASED TO 276 FT (84 M), PERFORATED 80-240 FT (24-73 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5518.80 FT ABOVE MSL.
 HIGHEST WATER LEVEL 12.49 BELOW LSD, AUG. 10, 1942.
 LOWEST WATER LEVEL 51.87 BELOW LSD, APR. 24, 1936.
 RECORDS AVAILABLE: 1935-56, 1958-75.
 MAR. 3, 1975 32.89, SEP. 4, 1975 16.45.

391636111381501. LOCAL NUMBER (D-18-2)1DAA-2. GRANT COX. DRILLED ARTESIAN IRRIGATION WELL IN ALLUVIUM, DIAM 12 IN (30 CM), DEPTH 233 FT (71 M), CASED TO 233 FT (71 M). MP TOP OF INNERMOST CASING 1.40 FT (0.4 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5555 FT ABOVE MSL.
 HIGHEST WATER LEVEL 53.36 BELOW LSD, JULY 28, 1965.
 LOWEST WATER LEVEL 82.40 BELOW LSD, SEP. 16, 1966.
 RECORDS AVAILABLE: 1962-75.
 MAR. 4, 1975 78.10.

390941111422101. LOCAL NUMBER (D-19-2)17AAD-2. STATE CLAIM 13463. W. G. FRISCHKNECHT. JETTED STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 CM), DEPTH 97 FT (30 M), CASED TO 97 FT (30 M). MP TOP OF CASING, 0.75 FT (0.23 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 5418 FT ABOVE MSL.
 HIGHEST WATER LEVEL 11.95 ABOVE LSD, JULY 27, 1965.
 LOWEST WATER LEVEL 2.31 ABOVE LSD, APR. 24, 1961.
 RECORDS AVAILABLE: 1935-37, 1961-75.
 MAR. 4, 1975 + 5.80, SEP. 4, 1975 + 9.90.

WATER-LEVEL MEASUREMENTS OF WELLS IN UTAH

Sevier County

Central Sevier Valley

(For other wells in this valley see Garfield, Piute, and Sanpete Counties)

384757112002201. LOCAL NUMBER (C-23-2)15DCB-4. STATE CLAIM 1969. F. M. JACKSON. DRIVEN DOMESTIC AND STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 CM), DEPTH 75 FT (23 M), CASED TO 75 FT (23 M). MP TOP OF COUPLING, AT LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 5233.99 FT ABOVE MSL.
 HIGHEST WATER LEVEL 9.70 ABOVE LSD, MAR. 3, 1945.
 LOWEST WATER LEVEL 1.42 ABOVE LSD, AUG. 30, 1960.
 RECORDS AVAILABLE: 1935-49, 1951-75.
 MAR. 10, 1975 + 8.40, OCT. 10, 1975 + 6.30.

384618111593001. LOCAL NUMBER (C-23-2)26CDB-1. STATE CLAIM 323. N. C. JOHNSON. JETTED STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 4 IN (10 CM), DEPTH 48 FT (15 M), CASED TO 48 FT (15 M). MP TOP OF CASING 0.70 FT (0.21 M) BELOW LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 5251.30 FT ABOVE MSL.
 HIGHEST WATER LEVEL 7.10 ABOVE LSD, DEC. 8, 1952.
 LOWEST WATER LEVEL 0.50 ABOVE LSD, OCT. 22, 1969.
 RECORDS AVAILABLE: 1935-59, 1961-75.
 MAR. 12, 1975 + 1.30, OCT. 10, 1975 + 1.20.

384357112035001. LOCAL NUMBER (C-24-2)7BAC-2. STATE CLAIM 7177. J. A. HOOPER. JETTED ARTESIAN WELL IN ALLUVIUM, DIAM 3 IN (7.62 CM), DEPTH 131 FT (40 M). MP TOP OF CASING 0.60 FT (0.2 M) ABOVE LSD. WATER LEVEL ABOVE (+) AND BELOW LSD.
 LSD 5263 FT ABOVE MSL.
 HIGHEST WATER LEVEL 4.80 ABOVE LSD, OCT. 7, 1938.
 LOWEST WATER LEVEL 4.12 BELOW LSD, MAY 26, 1965.
 RECORDS AVAILABLE: 1935-40, 1956-75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 15, 1975 +	.57	APR. 18, 1975	.05	AUG. 12, 1975 +	.12	NOV. 24, 1975 +	.70
FEB. 12	+ .35	JUNE 4	1.10	SEP. 12	+ .25	DEC. 16	+ .73
MAR. 12	+ .20	JULY 9	.72	OCT. 20	+ .35		

Grass Valley

383115111512501. LOCAL NUMBER (C-26-1)25ACC-1. STATE CLAIM 3159. A. R. BROWN. JETTED STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 CM), DEPTH 127 FT (39 M), CASED TO 50 FT (15 M). MP TOP OF WELL 1.20 FT (0.4 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 6862.90 FT ABOVE MSL.
 HIGHEST WATER LEVEL 18.50 ABOVE LSD, APR. 18, 1939.
 LOWEST WATER LEVEL 12.80 ABOVE LSD, AUG. 9, 1942.
 RECORDS AVAILABLE: 1935-56, 1958-75.
 MAR. 12, 1975 + 14.70, OCT. 6, 1975 + 15.30.

Tooele County

Rush Valley

402500112230001. LOCAL NUMBER (C-5-5)2BCB-1. ALMA YOUNG. DUG STOCK AND DOMESTIC WATER-TABLE WELL IN ALLUVIUM, DIAM 5 FT (1.5 M), DEPTH 34 FT (10 M), LINED WITH ROCK. MP TOP OF TIMBER AT DISCHARGE PIPE, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5010 FT ABOVE MSL.
 HIGHEST WATER LEVEL 23.11 BELOW LSD, APR. 10, 1952.
 LOWEST WATER LEVEL 28.30 BELOW LSD, JUNE 9, 1939.
 RECORDS AVAILABLE: 1935-55, 1957-75.
 MAR. 3, 1975 23.63, SEP. 8, 1975 24.07.

400358112271901. LOCAL NUMBER (C-9-5)6BCA-1. STATE CLAIM 8285. VERNON IRRIGATION CO. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 15 IN (38 CM), DEPTH 75 FT (23 M), CASED TO 60 FT (18 M). MP TOP OF CASING, AT LSD. WATER LEVEL BELOW LSD.
 LSD 5602 FT ABOVE MSL.
 HIGHEST WATER LEVEL 15.66 BELOW LSD, FEB. 18, 1939.
 LOWEST WATER LEVEL 22.02 BELOW LSD, MAY 13, 1960.
 RECORDS AVAILABLE: 1936-75.
 MAR. 5, 1975 18.89, SEP. 19, 1975 18.93.

Skull Valley

401627112405701. LOCAL NUMBER (C-6-7)19CCD-1. STATE APPLICATION 24145. CHARLES H. HYMAS. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 10 IN (25 M), DEPTH 116 FT (35 M), CASED TO 116 FT (35 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD. LSD 4730 FT ABOVE MSL. HIGHEST WATER LEVEL 17.93 BELOW LSD, MAY 8, 1956. LOWEST WATER LEVEL 27.58 BELOW LSD, SEP. 8, 1975. RECORDS AVAILABLE: 1954-75. MAR. 3, 1975 19.90, SEP. 8, 1975 27.58.

401832112440601. LOCAL NUMBER (C-6-8)10CAA-1. STATE APPLICATION 25252. HAROLD B. HOWELL. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 12 IN (30 CM), DEPTH 176 FT (54 M), CASED TO 176 FT (54 M). MP TOP OF CASING, AT LSD. WATER LEVEL BELOW LSD. LSD 4685 FT ABOVE MSL. HIGHEST WATER LEVEL 7.75 BELOW LSD, APR. 11, 1967. LOWEST WATER LEVEL 28.14 BELOW LSD, SEP. 4, 1974. RECORDS AVAILABLE: 1956-75. MAR. 3, 1975 24.14, SEP. 8, 1975 26.14.

401312112442301. LOCAL NUMBER (C-7-8)10CBD-1. DUGWAY PROVING GROUND. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 8 IN (20 CM), DEPTH 175 FT (53 M), CASED TO 175 FT (53 M), PERFORATED 115-175 FT (35-53 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD. LSD 4850 FT ABOVE MSL. HIGHEST WATER LEVEL 73.32 BELOW LSD, JAN. 26, 1951. LOWEST WATER LEVEL 93.67 BELOW LSD, OCT. 15, 1966. RECORDS AVAILABLE: 1946, 1951-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	87.00	86.67	86.17	85.87	85.70	85.48	85.91	86.74	87.38	87.61	87.22	86.83
10	86.93	86.43	86.11	85.92	85.66	85.55	86.07	86.89	87.42	87.58	87.11	86.71
15	86.88	86.44	86.12	85.83	85.54	85.51	86.05	87.01	87.49	87.59	87.08	86.76
20	86.76	86.33	86.03	85.88	85.51	85.71	86.23	87.13	87.57	87.50	87.03	86.64
25	86.65	86.36	85.85	85.67	85.61	85.63	86.41	87.14	87.55	87.40	86.96	86.68
EOM	86.66	86.33	85.88	85.73	85.51	85.75	86.65	87.23	87.63	87.35	87.01	86.40

Tooele Valley

404054112155901. LOCAL NUMBER (C-2-4)28AA-3. STATE APPLICATION 30003. CALERA MINING CO. DRILLED INDUSTRIAL ARTESIAN WELL IN ALLUVIUM, DIAM 10 IN (25 CM), DEPTH 451 FT (137 M), PERFORATED 329-336 FT (100-102 M). MP TOP OF OUTLET PIPE, 2.20 FT (0.7 M) ABOVE LSD, AFTER MARCH 1, 1966. WATER LEVEL ABOVE (+) LSD. LSD 4236 FT ABOVE MSL. HIGHEST WATER LEVEL 17.60 ABOVE LSD, SEP. 5, 1974. LOWEST WATER LEVEL 9.00 ABOVE LSD, DEC. 28, 1960. RECORDS AVAILABLE: 1958-75. MAR. 6, 1975 + 15.60, SEP. 4, 1975 + 13.30.

403625112174801. LOCAL NUMBER (C-2-4)33ACC-1. J. E. ENGLAND. JETTED UNUSED OBSERVATION ARTESIAN WELL IN ALLUVIUM, DIAM 4 IN (10 CM), DEPTH 182 FT (55 M) MP TOP OF CASING, AT LSD. WATER LEVEL BELOW LSD. LSD 4393.88 FT ABOVE MSL. HIGHEST WATER LEVEL 4.21 BELOW LSD, MAY 15, 1975. LOWEST WATER LEVEL 25.44 BELOW LSD, JULY 20, 1968. RECORDS AVAILABLE: 1958-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	7.50E	6.30E	5.54	4.94	4.25	5.00	6.30	8.52	9.95	8.31E	6.55	5.10
10	7.40E	6.20E	5.44	4.82	4.23	4.97	6.80E	8.52	9.54	8.16	6.30	4.91
15	7.30E	6.05	5.37	4.70	4.21	4.86	7.43	8.52	9.19	7.96	5.75	4.91
20	7.30E	5.97	5.28	4.57	4.43	5.84	7.98	8.55	8.88	7.49	5.59	4.76
25	6.70E	5.86	5.23	4.45	4.42	5.32	8.74	8.92	9.25	7.14	5.40	4.62
EOM	6.50E	5.79	5.07	4.33	4.78	5.21	8.52	9.01	8.54	6.75	5.30	4.35

WATER-LEVEL MEASUREMENTS OF WELLS IN UTAH

Tooele Valley-Continued.

403608112174301. LOCAL NUMBER (C-2-4)33ADD-1. STATE CLAIM 899. IDA CLEGG. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 6 IN (15 M), DEPTH 165 FT (50 M), CASED TO 160 FT (49 M), PERFORATED 60-100 FT (18-30 M). MP TOP OF CASING, 1.00 FT (0.3 M) BELOW LSD. WATER LEVEL BELOW LSD. LSD 4417.92 FT ABOVE MSL.
 HIGHEST WATER LEVEL 25.70 BELOW LSD, JAN. 21, 1975.
 LOWEST WATER LEVEL 57.49 BELOW LSD, AUG. 31, 1967.
 RECORDS AVAILABLE: 1937-75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 21, 1975	25.70	MAR. 5, 1975	36.71	JUNE 24, 1975	36.29	DEC. 9, 1975	36.42
FEB. 12	37.40	APR. 28	36.11	OCT. 7	36.52		

404024112261801. LOCAL NUMBER (C-2-5)5ACC-3. A. SEARLE. JETTED UNUSED ARTESIAN WELL IN ALLUVIUM DIAM 3 IN (8 CM), DEPTH 153 FT (47 M). MP TOP OF COUPLING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD. LSD 4214 FT ABOVE MSL.
 HIGHEST WATER LEVEL 0.19 BELOW LSD, APR. 10, 1952, APR. 10, 1952.
 LOWEST WATER LEVEL 4.30 BELOW LSD, SEP. 4, 1975.
 RECORDS AVAILABLE: 1940-42, 1944-53, 1955-75.
 MAR. 7, 1975 1.23, SEP. 4, 1975 4.30.

403539112282901. LOCAL NUMBER (C-2-6)36DCC-1. E. C. WALK. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 6 IN (15 CM), DEPTH 156 FT (48 M), CASED TO 166 FT (51 M). MP TOP CASING, 1.50 FT (0.5 M) ABOVE LSD. WATER LEVEL BELOW LSD. LSD 4373.70 FT ABOVE MSL.
 HIGHEST WATER LEVEL 72.82 BELOW LSD, JUNE 11, 1952.
 LOWEST WATER LEVEL 98.81 BELOW LSD, OCT. 7, 1961.
 RECORDS AVAILABLE: 1940-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	90.82	90.40	89.01	89.43	88.95	88.26	87.06	88.39	91.65	93.10	90.92	90.12
10	90.73	90.24	89.95	89.29	88.98	87.96	87.12	88.93	92.02	92.93	90.95	89.87
15	90.72	90.24	89.93	89.14	88.77	87.68	87.12	89.68	92.17	92.50	90.91	89.80
20	90.58	90.12	89.87	89.15	88.74	87.20	87.45	90.29	92.44	92.17	90.88	89.71
25	90.49	90.15	89.67	89.08	88.91	86.96	87.71	90.63	92.76	91.63	90.63	89.66
EOM	90.43	90.12	89.57	89.08	88.59	86.93	88.22	91.13	92.94	91.27	90.31	89.54

Uintah County

Vinta Basin

(For other wells in this basin see Duchesne County)

403158109372201. LOCAL NUMBER (D-3-20)25ABC-2. H. T. PELTIER. DRILLED UNUSED WATER-TABLE WELL IN GLACIAL OUTWASH, DIAM 12 IN (30 CM), DEPTH 43 FT (13 M), CASED TO 32 FT (10 M). MP TOP OF CASING, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD. LSD 5992 FT ABOVE MSL.
 HIGHEST WATER LEVEL 0.97 BELOW LSD, JULY 5, 1966.
 LOWEST WATER LEVEL 7.50 BELOW LSD, SEP. 5, 1974.
 RECORDS AVAILABLE: 1965-66, 1972-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	6.50	6.32	5.91	5.79	6.10E	6.12	5.47	3.41	4.30	5.02	3.93	4.05
10	6.39	6.26	5.89	5.72	6.15E	5.71	5.57	3.44	4.41	4.76	3.73	4.11
15	6.38E	6.21	5.92	5.83	6.23	6.23	5.54	5.62	3.55	4.30	4.86	3.11
20	6.35	6.18	5.93	5.91	5.80	5.46	5.42	3.68	4.64	4.86	3.56	4.27
25	6.38	6.18	5.90	6.00E	5.78	5.55	5.59	3.92	4.81	4.31	3.85	4.42
EOM	6.33	6.19	5.88	6.05E	6.02	5.58	5.24	4.11	4.91	4.05	4.06	4.57

402514109275701. LOCAL NUMBER (D-4-22)32DCD-1. STANDARD OIL OF CALIFORNIA. DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM, DIAM 6 IN (15 CM), DEPTH 56 FT (17 M), CASED TO 56 FT (17 M). MP TOP OF CASING, AT LSD. WATER LEVEL ABOVE (+) AND BELOW LSD. LSD 5097.55 FT ABOVE MSL.
 HIGHEST WATER LEVEL 0.05 ABOVE LSD, AUG. 12, 1968, AUG. 12, 1969.
 LOWEST WATER LEVEL 3.83 BELOW LSD, APR. 6, 1949.
 RECORDS AVAILABLE: 1948-75.
 MAR. 4, 1975 0.00, SEP. 30, 1975 0.00.

Uinta Basin-Continued.

402429109313601. LOCAL NUMBER (D-5-21)2DCB-1. STATE APPLICATION 18686. LEONARD COOK. DRILLED STOCK WATER-TABLE WELL IN ALLUVIUM, DIAM 6 IN (15 M), DEPTH 50 FT (15 M), CASED TO 50 FT (15 M). MP TOP OF CASING, 0.50 FT (0.15 M) ABOVE LSD. WATER LEVEL BELOW LSD.
LSD 5410.40 FT ABOVE MSL.
HIGHEST WATER LEVEL 4.66 BELOW LSD, JUNE 19, 1974.
LOWEST WATER LEVEL 14.81 BELOW LSD, MAR. 4, 1975.
RECORDS AVAILABLE: 1948-52, 1954-75.
MAR. 4, 1975 14.81, SEP. 30, 1975 5.73.

Utah County

Cedar Valley

401818112014501. LOCAL NUMBER (C-6-2)14ABA-1. STATE APPLICATION 25333. COOP SECURITY CORP. DRILLED ARTESIAN WELL IN ALLUVIUM, DIAM 16 IN (40 CM), DEPTH 1,258 FT (383 M), CASED TO 1,254 FT (383 M). MP TOP OF CASING, AT LSD. WATER LEVEL BELOW LSD.
LSD 4865.70 FT ABOVE MSL.
HIGHEST WATER LEVEL 109.06 BELOW LSD, APR. 12, 1955.
LOWEST WATER LEVEL 141.41 BELOW LSD, AUG. 15, 1965.
RECORDS AVAILABLE: 1954-55, 1963-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	121.62	121.34	121.08	120.94	120.80	123.24	123.40	124.32	122.73	121.65	121.24	120.95
10	121.47	121.22	121.02	.....	120.89	123.44	123.08	124.53	122.38	121.60	121.10	120.90
15	121.56	121.24	121.06	.....	121.13	123.87	122.71	124.61	122.19	121.59	121.14	120.93
20	121.47	121.26	121.01	120.95	121.76	124.07	122.57	124.45	122.03	121.48	121.10	120.91
25	121.38	121.30	120.86	120.82	122.06	123.47	123.23	123.73	121.87	121.35	121.08	120.87
EOM	121.37	121.28	120.97	120.89	122.64	123.37	123.90	123.05	121.75	121.28	120.94	120.70

401600112054101. LOCAL NUMBER (C-6-2)29CAC-1. MARSH WILLIAMS. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 4 IN (10 CM), DEPTH 350 FT (107 M). MP TOP OF SLEEVE ON CASING, AT LSD. WATER LEVEL ABOVE (+) AND BELOW LSD.
LSD 4888.37 FT ABOVE MSL.
HIGHEST WATER LEVEL 6.20 ABOVE LSD, DEC. 18, 1945.
LOWEST WATER LEVEL 5.80 BELOW LSD, NOV. 9, 1964.
RECORDS AVAILABLE: 1943-50, 1952, 1954-56, 1958-75.
MAR. 3, 1975 + 2.52.

401557112053701. LOCAL NUMBER (C-6-2)29CAC-2. STATE CLAIM 21120. L. M. MEINZER. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 8 IN (20 CM), DEPTH 220 FT (67 M), CASED TO 220 FT (67 M). MP TOP OF CASING 3.30 FT (1.0 M) ABOVE LSD. WATER LEVEL ABOVE (+) AND BELOW LSD.
LSD 4887.85 FT ABOVE MSL.
HIGHEST WATER LEVEL 2.98 ABOVE LSD, DEC. 31, 1975.
LOWEST WATER LEVEL 64.50 BELOW LSD, NOV. 9, 1964.
RECORDS AVAILABLE: 1954, 1958, 1960-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	.....	1.18	1.28	1.39	1.56	1.18	1.34	1.34	1.20	2.01	2.01	2.68
10	1.06	1.18	1.30	1.36	1.56	1.19	1.47	1.28	1.30	1.99	2.21	2.78
15	1.04	1.22	1.28	1.41	1.63	1.02	1.40	1.53	1.54	2.01	2.29	2.77
20	1.28	1.26	1.28	1.36	1.54	1.01	1.29	1.37	1.74	1.86	2.41	2.82
25	1.13	1.21	1.36	1.49	1.49	1.21	1.25	1.29	1.97	1.67	2.50	2.86
EOM	1.14	1.21	1.39	1.47	1.28	1.21	1.19	1.23	1.89	1.73	2.55	2.98

Goshen Valley

395848111571801. LOCAL NUMBER (C-10-1)4BBB-1. STATE APPLICATION 34279. LATTER DAY SAINTS CHURCH. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 20 TO 16 IN (51 TO 41 CM), DEPTH 882 FT (269 M), CASED TO 882 FT (269 M), PERFORATED 525-860 FT (160-262 M). MP HOLE IN PUMPHOUSE 0.80 FT (0.24 M). WATER LEVEL BELOW LSD.
LSD 4672 FT ABOVE MSL.
HIGHEST WATER LEVEL 149.29 BELOW LSD, MAR. 13, 1974.
LOWEST WATER LEVEL 172.50 BELOW LSD, AUG. 16, 1962.
RECORDS AVAILABLE: 1962-75.
MAR. 11, 1975 151.45.

Goshen Valley-Continued.

395316111590001. LOCAL NUMBER (C-11-1)6BDD-1. STATE APPLICATION 32870. LAZY S RANCH. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 18 IN (46 CM), DEPTH 772 FT (235 M), CASED TO 762 FT (232 M), PERFORATED 425-500 FT (130-152 M), 533-541 FT (162-165 M), 556-577 FT (169-176 M), 584-659 FT (178-201 M), 672-745 FT (205-227 M). MP BOTTOM EDGE OF PIPE, SOUTH SIDE OF PUMPBASE, 2.90 FT (0.9 M) ABOVE LSD. WATER LEVEL BELOW LSD
 LSD 4782.90 FT ABOVE MSL.
 HIGHEST WATER LEVEL 243.20 BELOW LSD, MAY 21, 1964.
 LOWEST WATER LEVEL 271.64 BELOW LSD, SEP. 9, 1970.
 RECORDS AVAILABLE: 1964-72, 1974-75.
 MAR. 10, 1975 259.40.

Utah Valley

402236111511501. LOCAL NUMBER (D-5-1)20ABA-1. STATE CLAIM 6860. JACOB G. COX. JETTED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 3 IN (8 CM), DEPTH 292 FT (89 M), CASED TO 292 FT (89 M). MP TOP OF 3 IN ELBOW, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL ABOVE LSD.
 LSD 4522.10 FT ABOVE MSL.
 HIGHEST WATER LEVEL 60.40 ABOVE LSD, APR. 7, 1953.
 LOWEST WATER LEVEL 12.60 ABOVE LSD, SEP. 20, 1961.
 RECORDS AVAILABLE: 1935-75.

RECORDS AVAILABLE: 1955-1956

1975												
DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	.....	50.00	49.50	52.00	50.20	40.00	.....	38.70	.....	44.00	51.50	56.00
10	.....	50.20	50.00	50.50	50.00	41.50	.....	41.00	.....	.....	52.00	55.50
15	.....	50.40	50.00	50.50	46.00	41.50	.....	.....	43.00	47.00	55.50	55.60
20	.....	50.50	50.50	50.20	45.50	.....	.....	.....	44.50	48.00	55.00	55.50
25	46.00	50.50	50.00	50.20	46.00	43.00	.....	.....	44.00	51.00	55.00	56.00
EOM	50.00	50.50	52.00	50.20	42.50	41.00	40.00	.....	44.00	52.00	56.00	56.00E

402234111511502. LOCAL NUMBER (D-5-1)20ABA-2. STATE CLAIM 6861. JACOB G. COX. JETTED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 2 1/2 TO 2 IN (6 TO 5 CM), DEPTH 154 FT (47 M), CASED TO 152 FT (47 M). MP TOP OF 3/4 IN ELL, 1.50 FT (0.5M) ABOVE LSD. WATER LEVEL ABOVE LSD.
 LSD 4522 FT ABOVE MSL.
 HIGHEST WATER LEVEL 37.90 ABOVE LSD, FEB. 10, 1970.
 LOWEST WATER LEVEL 4.70 ABOVE LSD, JULY 20, 1961; JULY 25, 1961; AUG. 5, 1961.
 RECORDS AVAILABLE: 1935-75.

RECORDS AVAILABLE: 1955-1975

1975												
DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	29.60	31.00E	32.80	34.10	33.70	22.90	19.50	20.70	21.80	27.10	33.30	34.80
10	29.90	31.00E	33.40	34.20	33.80	23.90	19.60	21.90	22.90	28.80	33.20	35.00
15	30.20	30.80	33.20	34.10	30.20	23.40	20.50	21.90	24.70	30.30	33.30	35.50
20	29.90	31.10	34.20	33.70	28.20E	25.50	22.00	20.90	25.60	31.50	33.50	35.30
25	31.00E	31.20	33.70	34.20	27.70E	26.90	22.60	21.10	26.80	32.10	34.50	35.40
EOM	31.00E	31.00	33.50	33.90	26.20	24.00	21.90	21.10	27.80	33.00	34.50	35.40

401623111433001. LOCAL NUMBER (D-6-2)28BAD-1. STATE CLAIM 2087. HENRY WILLIAMSON. JETTED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 4 IN (10 CM), DEPTH 110 FT (34 M), CASED TO 110 FT (34 M) MP TOP OF TEE, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL ABOVE LSD.
 LSD 4516.80 FT ABOVE MSL.
 HIGHEST WATER LEVEL 17.90 ABOVE LSD, DEC. 14, 1965.
 LOWEST WATER LEVEL 3.80 ABOVE LSD, AUG. 28, 1963.
 RECORDS AVAILABLE: 1935-53, 1956-75.
 MAR. 6, 1975 + 9.10.

Wasatch County

Heber Valley

403127111240301. LOCAL NUMBER (D-3-5)29CAC-1. ALBERT NORTH. DUG DOMESTIC WATER-TABLE WELL IN ALLUVIUM, DIAM 4 FT (1.2 M), DEPTH 15 FT (4.6 M), LINED WITH ROCK. MP TOP OF CONCRETE PLATFORM, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5608 FT ABOVE MSL.
 HIGHEST WATER LEVEL 0.18 BELOW LSD, SEP. 13, 1974.
 LOWEST WATER LEVEL 10.92 BELOW LSD, MAR. 9, 1942.
 RECORDS AVAILABLE: 1936-75.
 MAR. 19, 1975 9.61, SEP. 9, 1975 2.20.

Washington County

Escalante Valley

(For other wells in this valley see Beaver and Iron Counties)

373600113413201. LOCAL NUMBER (C-37-16)6CCC-1. STATE APPLICATION 14409-A2298. LEROY ADAMS. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 14 IN (36 CM), DEPTH 200 FT (61 M), CASED TO 200 FT (61 M). MP HOLE IN PUMPHASE, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5285.20 FT ABOVE MSL.
 HIGHEST WATER LEVEL 76.60 BELOW LSD, MAY 19, 1952.
 LOWEST WATER LEVEL 132.25 BELOW LSD, OCT. 3, 1968.
 RECORDS AVAILABLE: 1945, 1947-75.
 MAR. 5, 1975 117.21, OCT. 6, 1975 128.60.

373457113421201. LOCAL NUMBER (C-37-17)12BDC-1. CHARLES SIDES. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 14 IN (36 CM), DEPTH 73 FT (22 M), CASED TO 73 FT (22 M). MP HOLE IN CASING, 0.50 FT (0.15 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5300 FT ABOVE MSL.
 HIGHEST WATER LEVEL 17.50 BELOW LSD, MAY 8, 1952.
 LOWEST WATER LEVEL 42.26 BELOW LSD, OCT. 12, 1961.
 RECORDS AVAILABLE: 1941-75.
 MAR. 5, 1975 37.88.

Virgin River Valley

372815113134801. LOCAL NUMBER (C-38-12)20CCA-1. STATE APPLICATION 33029 A-4198. E. GRAFF. DRILLED UNUSED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 14 (36 CM), DEPTH 290 FT (88 M), CASED TO 185 FT (56 M). PERFORATED 80-90 FT (24-27 M), 93-116 FT (28-35 M), 150-152 FT (45-46 M), OPEN HOLE FROM 185-290 FT (56-88 M). MP TOP OF SHELTER FLOOR 1.40 FT (0.4 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 5150 FT ABOVE MSL.
 HIGHEST WATER LEVEL 37.87 BELOW LSD, FEB. 25, 1970.
 LOWEST WATER LEVEL 47.08 BELOW LSD, OCT. 15, 1972.
 RECORDS AVAILABLE: 1970-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	41.94	42.40	42.56	42.35	42.61	42.58	42.80E	43.08	43.23E	43.31E	43.43	43.58
10	41.98	42.41	42.60	42.37	42.54	42.60	42.89	43.11	43.24E	43.32E	43.16	43.69
15	42.09	42.42	42.70	42.40	42.51	42.60	42.92	43.16	43.25E	43.33E	43.51	43.64
20	42.16	42.45	42.70	42.47	42.47	42.69	42.91	43.17E	43.27E	43.35E	43.55	43.68
25	42.23	42.50	42.47	42.46	42.53	42.76	42.94	43.19E	43.28E	43.36E	43.57	43.68
EOM	42.33	42.57	42.38	42.59	42.55	42.80E	42.99	43.21E	43.29E	43.37	43.67	43.72

371350113214601. LOCAL NUMBER (C-41-13)7CCB-1. STATE APPLICATION 17859. CLAIR STERLING. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 12 IN (30 CM), DEPTH 98 FT (30 M). MP TOP OF CASING, 1.50 FT (0.5 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 3460 FT ABOVE MSL.
 HIGHEST WATER LEVEL 0.14 BELOW LSD, JUNE 2, 1952.
 LOWEST WATER LEVEL 13.04 BELOW LSD, DEC. 5, 1956.
 RECORDS AVAILABLE: 1947-62, 1965-75.
 APR. 2, 1975 4.23, OCT. 15, 1975 4.13.

370650113380201. LOCAL NUMBER (C-42-16)22CBA-1. STATE APPLICATION 18001. CLYDE GRAFF. DRILLED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 16 IN (41 CM), DEPTH 92 FT (28 M), CASED TO 92 FT (28 M). MP TOP OF CASING, 2.00 FT (0.6 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 2725 FT ABOVE MSL.
 HIGHEST WATER LEVEL 16.36 BELOW LSD, MAR. 25, 1966.
 LOWEST WATER LEVEL 33.40 BELOW LSD, NOV. 4, 1966.
 RECORDS AVAILABLE: 1947-75.
 APR. 2, 1975 23.55, OCT. 15, 1975 20.78.

370725113360601. LOCAL NUMBER (C-42-16)24BBA-1. STATE APPLICATION 20557. BRYON THORNTON. DRILLED INDUSTRIAL ARTESIAN WELL IN ALLUVIUM, DIAM 4 IN (10 CM), DEPTH 185 FT (56 M). MP TOP OF CASING, 2.50 FT (0.8 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 2885 FT ABOVE MSL.
 HIGHEST WATER LEVEL 16.75 BELOW LSD, OCT. 17, 1972.
 LOWEST WATER LEVEL 35.43 BELOW LSD, DEC. 2, 1955.
 RECORDS AVAILABLE: 1949-59, 1961-68, 1970-75.
 APR. 2, 1975 17.26, OCT. 15, 1975 16.85.

Wayne County

Fremont Valley

381940111253501. LOCAL NUMBER (D-28-4)36CDB-1. V. A. LEE. DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM, DIAM 6 IN (15 CM), DEPTH 112 FT (34 M), CASED TO 112 FT (34 M). MP TOP OF COUPLING AT LSD. WATER LEVEL BELOW LSD.
 LSD 6885 FT ABOVE MSL.
 HIGHEST WATER LEVEL 8.14 BELOW LSD, JUNE 8, 1937.
 LOWEST WATER LEVEL 15.27 BELOW LSD, MAR. 20, 1956.
 RECORDS AVAILABLE: 1936-42, 1944-56, 1958-75.
 MAR. 24, 1975 11.68, OCT. 7, 1975 12.91.

381820111300501. LOCAL NUMBER (D-29-4)88BD-1. STATE CLAIM 19179. REED MAXFIELD. DRILLED DOMESTIC ARTESIAN WELL IN ALLUVIUM, DIAM 6 IN (15 CM), DEPTH 92 FT (28 M), CASED TO 92 FT (28 M). MP TOP OF CASING, 8.00 FT (2.4 M) BELOW LSD. WATER LEVEL BELOW LSD.
 LSD 6880 FT ABOVE MSL.
 HIGHEST WATER LEVEL 8.72 BELOW LSD, SEP. 25, 1964.
 LOWEST WATER LEVEL 20.33 BELOW LSD, MAR. 16, 1953.
 RECORDS AVAILABLE: 1948-56, 1958-64, 1968-75.
 MAR. 17, 1975 16.56, OCT. 7, 1975 15.47.

Weber County

East Shore Area

(For other wells in this area see Box Elder and Davis Counties)

411322112001101. LOCAL NUMBER (B-6-1)30CCA-1. STATE CLAIM 1030. BURTON WALKER LUMBER CO. DRILLED UNUSED ARTESIAN WELL IN ALLUVIUM, DIAM 10 IN (25 CM), DEPTH 756 FT (230 M), CASED TO 756 FT (230 M). PERFORATED 224-250 FT (68-76 M). MP TOP OF CASING AT LSD. WATER LEVEL BELOW LSD.
 LSD 4317.12 FT ABOVE MSL.
 HIGHEST WATER LEVEL 26.90 BELOW LSD, JUNE 8, 1953.
 LOWEST WATER LEVEL 39.75 BELOW LSD, OCT. 14, 1966.
 RECORDS AVAILABLE: 1943-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5		38.20E	.....	.....	.....	35.83	36.31	37.49	38.41	.....	.....	36.11
10						35.88	37.00	37.73	38.43	.....	.....	35.98
15						36.08	36.66	37.93	.....	.....	.....	35.93
20						35.88	36.88	38.11	.....	.....	36.46E	35.84
25						35.93	37.13	38.21	.....	.....	36.40	35.76
EOM	38.50	38.20E	.....	.....	.....	36.11	37.33	38.29	.....	.....	36.22	35.57

411730112010201. LOCAL NUMBER (B-6-2)18AA-3. STATE APPLICATION 14082. J. D. BROWN. JETTED DOMESTIC AND STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 CM), DEPTH 617 FT (188 M), CASED TO 617 FT (188 M). MP TOP OF TEE, 1.50 FT (0.5 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 4278.45 FT ABOVE MSL.
 HIGHEST WATER LEVEL 41.00 ABOVE LSD, DEC. 11, 1943, APR. 7, 1947.
 LOWEST WATER LEVEL 5.20 ABOVE LSD, SEP. 25, 1974, SEP. 30, 1975.
 RECORDS AVAILABLE: 1943-61, 1963-75.
 MAR. 5, 1975 + 11.10, SEP. 30, 1975 + 5.20.

411606112013901. LOCAL NUMBER (B-6-2)11DAD-1. STATE CLAIM 5613. JEROME WHEELER. JETTED STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 CM), DEPTH 285 FT (87 M), CASED TO 285 FT (87 M). MP TOP OF ELL, 3.20 FT (1.0 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 4241.62 FT ABOVE MSL.
 HIGHEST WATER LEVEL 27.40 ABOVE LSD, FEB. 26, 1953, MAR. 26, 1953, MAY 26, 1953.
 LOWEST WATER LEVEL 11.30 ABOVE LSD, NOV. 7, 1957.
 RECORDS AVAILABLE: 1937-75.
 MAR. 4, 1975 + 18.6.

411406112093501. LOCAL NUMBER (B-6-3)2688B-1. STATE CLAIM 7505. DON WILSON. JETTED DOMESTIC AND STOCK ARTESIAN WELL IN ALLUVIUM, DIAM 2 IN (5 CM), DEPTH 512 FT (156 M), CASED TO 512 FT (156 M). MP TOP OF TEE, 1.50 FT (0.5 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 4219.30 FT ABOVE MSL.
 HIGHEST WATER LEVEL 33.50 ABOVE LSD, MAY 1, 1940.
 LOWEST WATER LEVEL 11.20 ABOVE LSD, SEP. 30, 1975.
 RECORDS AVAILABLE: 1935-57, 1959-75.
 MAR. 3, 1975 + 12.9, SEP. 30, 1975 + 11.2.

WATER-LEVEL MEASUREMENTS OF WELLS IN UTAH

505

East Shore area-Continued.

411748111574401. LOCAL NUMBER (B-7-1)33BAA-5. STATE CLAIM 16832. J. P. SPACKMAN. JETTED IRRIGATION ARTESIAN WELL IN ALLUVIUM, DIAM 4 IN (10 CM), DEPTH 126 FT (38 M), CASED TO 126 FT (38 M) MP TOP OF REDUCER, 1.00 FT (0.3 M) ABOVE LSD. WATER LEVEL ABOVE (+) LSD.
 LSD 4489 FT ABOVE MSL.
 HIGHEST WATER LEVEL 53.20 ABOVE LSD, SEP. 12, 1973.
 LOWEST WATER LEVEL 3.20 ABOVE LSD, JULY 12, 1961.
 RECORDS AVAILABLE: 1943-75.
 MAR. 4, 1975 + 21.7 + SEP. 30, 1975 + 19.47.

Ogden Valley

411544111461001. LOCAL NUMBER (A-6-2)18BAD-1. U. S. BUREAU OF RECLAMATION, DRILLED OBSERVATION ARTESIAN WELL IN ALLUVIUM, DIAM 8 IN (20 CM), DEPTH 155 FT (47 M), PERFORATED 105-115 FT (31-35 M), 125-145 FT (38-44 M). MP TOP OF CASING, 2.00 FT (0.6 M) ABOVE LSD. WATER LEVEL BELOW LSD.
 LSD 4924 FT ABOVE MSL.
 HIGHEST WATER LEVEL 10.01 BELOW LSD, JUNE 20, 1975.
 LOWEST WATER LEVEL 34.96 BELOW LSD, NOV. 30, 1956.
 RECORDS AVAILABLE: 1956-66, 1968-75.

1975

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
5	19.85	20.36	20.38	18.03	21.35	14.68	11.70E	13.90E	15.63	16.47	15.24	18.85
10	19.74	20.43	19.86	17.64	21.20	14.00	12.50E	14.50E	16.25	16.28	14.56	18.99
15	19.80	20.43	19.67	17.99	19.83	10.80	12.70	14.65	15.60	16.22	16.07	19.15
20	19.84	20.39	19.30	18.60	17.59	10.01	12.50E	15.34	16.24	16.43	17.87	19.42
25	19.97	20.48	18.71	18.96	16.74	10.02	12.30E	15.00	16.36	16.05	18.52	19.56
EOM	20.24	20.17	18.23	19.54	16.73	10.80E	13.10E	15.85	16.40	15.91	18.78	19.74

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CALENDAR FOR WATER YEAR 1975

1974

OCTOBER

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1975

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SEPTEMBER

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