Magnitude and Frequency of Floods in the United States

Part 10. The Great Basin

By E. BUTLER, J. K. REID, *and* V. K. BERWICK

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MAGNITUDE AND FREQUENCY OF FLOODS IN THE UNITED STATES

PART 10. THE GREAT BASIN

By E. BUTLER, J. K. REID, and V. K. BERWICK

ABSTRACT

The probable magnitude of floods of any recurrence interval between 1.1 and 50 years for any stream in the Great Basin can be determined by methods presented in this report.

The Great Basin comprises nearly all of Nevada, western Utah, eastern California, and parts of Idaho, Oregon, and Wyoming. The physiography of the basin is a series of mountain ranges and desert valleys, which trend in a north-south direction. Extreme variations in climate from arid to humid are attributed to the mountains, which, in general, are at right angles to the prevailing westerly winds. The area is subject to cloudburst floods and mud-rock flows, and this situation often results in high rates of runoff and heavy erosion from small drainage basins. The greater part of the basin is desert, and because of the paucity of flood data, the flood characteristics are poorly defined.

Two sets of curves are provided for estimating the magnitude and frequency of floods: (1) curves that represent the ratio of a flood of any frequency to the mean annual flood, and (2) curves that relate the mean annual flood to the size of the drainage basin and, where significant, to the mean altitude of the basin. Using these curves, a flood of a selected frequency can be determined for any site within the range of the base data. Separate 50-year flood graphs are shown for most of the larger rivers that are affected by regulation or diversion.

The report also contains station descriptions and lists of peak discharges for 364 gaging stations at which flood records have been collected for 5 or more years.

INTRODUCTION

PURPOSE AND SCOPE

The purpose of this report is to provide a method for estimating the magnitude and the frequency of floods in the Great Basin and to present a compilation of flood data for gaging stations having 5 or more years of annual-flood record.

The area covered by this report (fig. 1) includes all the Great Basin within the United States and is designated Part 10 in the series of reports published by the U.S. Geological Survey entitled "Surface Water Supply of the United States."

The design of structures subject to floods should include a study of the magnitude and frequency of expected floods because a structure that has inadequate capacity may fail and one that has excessive hydraulic capacity may involve exorbitant costs.

The flood history of a stream serves as a guide for the determination of future floods. Flood records can be obtained for an individual site and used to predict future flood events, but predictions based only on the record of the individual site may be considerably in error if the record is not representative of the long-term average. U.S. Geological Survey engineers and others have formulated methods for deriving flood-frequency relations by correlation of past flood records with basin characteristics. A composite flood-frequency curve based on many gaging-station records adjusted to a common time base is presently considered the most logical means for predicting future floods anywhere within a homogeneous flood region.

ACKNOWLEDGMENTS

This report was prepared in the Surface Water district office of the U.S. Geological Survey, Salt Lake City, Utah, under the general direction of M. T. Wilson, district engineer. The authors were assisted in the preparation of this report by Leah L. Stewart, engineering aid, and other district personnel. Technical guidance on analytical procedure and review was furnished by Harry Hulsing, hydraulic engineer, U.S. Geological Survey, Menlo Park, Calif. Technical assistance was also furnished by Tate Dalrymple and A. Rice Green, hydraulic engineers, U.S. Geological Survey, Washington, D.C. The flood data were collected by the U.S. Geological Survey with the assistance of other Federal and State agencies, municipalities, and irrigation districts; credit is given in the series of water-supply papers of the U.S. Geological Survey entitled "Surface Water Supply of the United States."

DESCRIPTION OF THE BASIN

PHYSIOGRAPHY

The Great Basin comprises a large interior basin in the southwestern part of the United States and has an area of about 210,000 square miles. It is a somewhat heart-shaped area about 800 miles long by about 500 miles wide. The basin includes nearly all of Nevada, western Utah, the eastern edge of California, and parts of Idaho, Oregon, and Wyoming. The drainage divide is easily identified where formed by mountain ranges but is less discernible in many places where it crosses large desert areas. The prominent boundaries of the basin are the Wasatch Range and High Plateaus on the east;

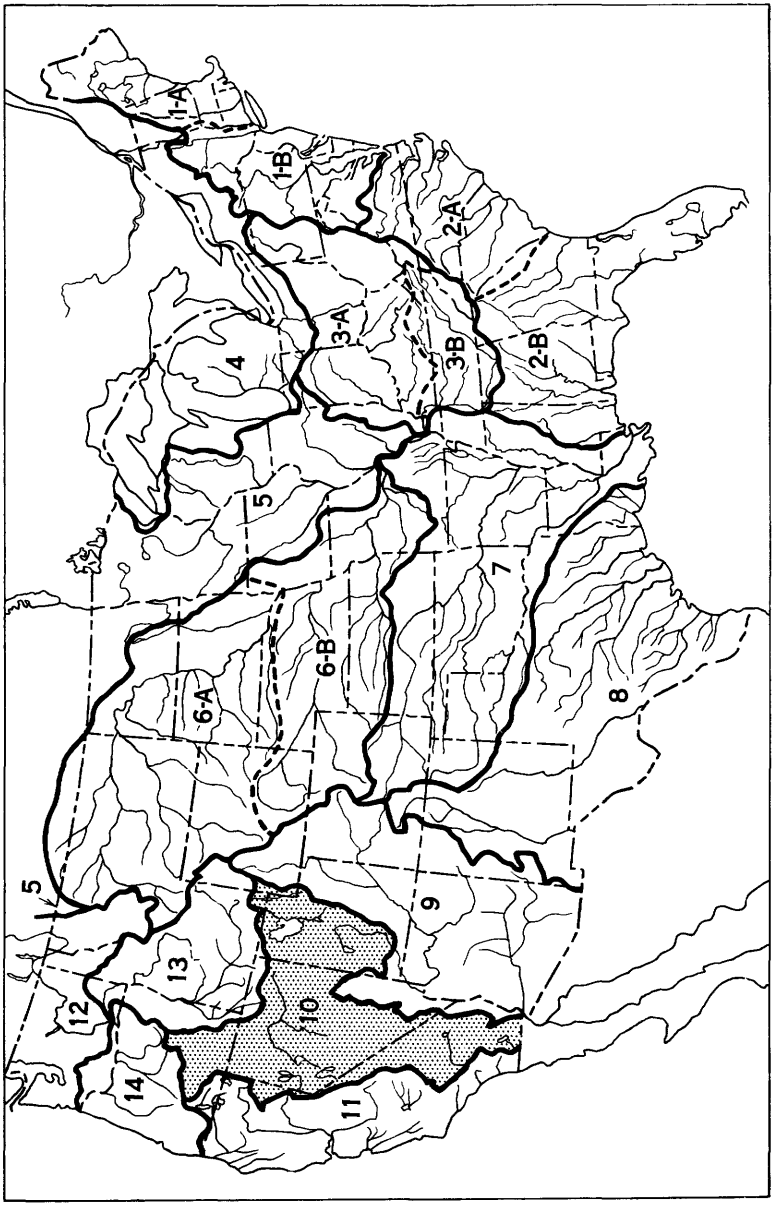

FIGURE 1.—Map of conterminous United States showing area covered by this report.

Columbia Plateau on the north; Sierra Nevada on the west; and Salton Sea and minor ranges on the south. The eastern boundary consists of mountains of the alpine type, which extend to the High Plateaus section of the south. Some of these mountains are exceptionally steep, ranging in altitude from 5,000 feet above mean sea level at their bases to more than 11,000 feet at their summits in a distance of less than 4 miles. The High Plateaus section, in general, is somewhat lower, but in places rises to about 11,000 feet. The Sierra Nevada form the central part of the western boundary. These mountains are of the alpine type and altitudes range from 5,000 feet above mean sea level to more than 14,000 feet. The southern boundary of the Great Basin, which extends to the Mexican border, is not clearly defined because it crosses desert areas.

A complex of mountains, valleys, and deserts forms the interior of the basin. In general, the mountains form a series of parallel ranges trending in a north-south direction, and several peaks reach an altitude of about 11,000 feet. The mountain ranges are about 50–75 miles long and 6–15 miles wide, and rise 3,000-5,000 feet above the adjacent valley floors. The altitude of the valleys ranges from 276 feet below sea level in Death Valley to about 7,000 feet above sea level in some valleys in the northern part of the basin. Total area of the basin is approximately equally divided between mountain ranges and valleys. The mountains rise abruptly from the valley floors; therefore, a great deal of detritus accumulates in the valleys. Much of this detrital material is permeable and accounts for some decrease in flood peaks as the water travels downstream across the valley fill. Some valley floors are covered by alkaline salts left by evaporation; the most noteworthy deposits are the Great Salt Lake Desert, Mojave Desert, and Carson Sinks. Moreover, several large flat desert areas are interspersed among the mountains; some are old lake bottoms which have not been covered with water for hundreds of years, whereas others temporarily accumulate water during a flood or a series of wet years.

The Great Basin once contained the ancient ice-age Lakes Bonneville and Lahontan. Great Salt Lake and Sevier Lake, of Utah, occupy areas which were once covered by Lake Bonneville; Honey, Pyramid, Winnemucca, Humboldt, North Carson, South Carson, and Walker Lakes occupy areas which were once covered by Lake Lahontan. The major rivers in the Great Basin are Bear, Ogden, Weber, Provo, Jordan and Sevier in Utah; Humboldt, Reese, and Quinn in Nevada; and Truckee, Carson, and Walker in California and Nevada.

CLIMATE

The Great Basin has a wide variation in climate over short distances. Although the basin as a whole is one of the most arid regions

in the United States, some of the high mountain areas are humid. Most of the moisture for the basin comes from the Pacific Ocean and is carried by the prevailing westerly winds; however, the intervening mountains form barriers to the normal flow of this moisture-laden air. Rain shadows (areas of lesser precipitation) on the leeward side of the mountains account for the low average annual rainfall in many of the interior valleys. Floods in the Great Basin occur from (1) snowmelt, (2) rain on snow, and (3) cloudburst-type storms.

Accumulation of snowfall during the winter months serves as a natural temporary reservoir from which water is released during the spring-runoff period. The snowpack is related to altitude and the higher altitudes receive the greater accumulation. Snowmelt floods occur during the April–June period.

Rain-on-snow floods generally occur during the November–March period. Snow can absorb a considerable volume of rainfall before runoff occurs. When melted, the snow contributes to the volume of water released, and this increase in volume often causes severe floods. A large number of these rain-on-snow floods have been recorded in the western part of the Great Basin along the Sierra Nevada. Occasionally rain on frozen ground causes floods because most of the rainfall appears directly as runoff.

Thunderstorms and resultant floods caused by the high-intensity precipitation of a small area occur principally during the summer and fall months. Thunderstorms often develop in flat desert areas. All parts of the Great Basin are subject to thunderstorms; however, they are more frequent in the southeastern part.

FLOOD-FREQUENCY ANALYSIS

Methods used in the analytical part of this report are based on techniques formulated by engineers of the Water Resources Division of the U.S. Geological Survey and others; these methods are described by Dalrymple (1960). In general, the methods consist of first defining flood-frequency relations at a point on a stream by using gaging-station records and then combining many point relations to obtain a regional frequency relation that can be applied to all streams in a large homogeneous region.

FLOOD FREQUENCY AT A GAGING STATION

The qualifications for streamflow records were that they should not be materially affected by regulation or diversion and that they should have more than 5 years of annual peak record; such records were collected at 113 gaging stations. (See pl. 1.) To be comparable,

all flood records should represent natural streamflow for the same base period. For this study, the base period selected is 1938–59.

The flood peaks were arrayed in order of magnitude. The recurrence interval for each annual flood was computed by the formula $T=(n+1)/m$. T is the recurrence interval in years, n is the number of years of record, and m is the order number, beginning with the largest flood as 1.

Coordinates of the frequency curves are the recurrence interval T as the abscissa and the discharge as the ordinate. The frequency curve for many sites approaches a straight line when special probability paper is used (Powell, 1943).

TYPES OF FLOOD SERIES

Flood data for a gaging station can be analyzed two ways: (1) as an annual flood series in which the highest momentary peak discharge in a water year is used, and (2) as a partial-duration series in which all peak discharges above a selected base are used without regard to the number of floods in a water year. The partial-duration series is commonly used if the primary interest concerns floods with recurrence intervals of less than 10 years; however, if the primary interest concerns floods of greater than 10-year recurrence intervals, the annual flood series is usually used. For recurrence intervals of more than 10 years, the two series give virtually the same result, as shown (in years) by the following table (Langbein, 1949):

Annual flood series	*Partial-duration series*	*Annual flood series*	*Partial-duration series*
1.16	0.5	10.5	10
1.58	1.0	20.5	20
2.00	1.45	50.5	50
2.54	2.0	100.5	100
5.52	5.0		

The difference between the two flood series is in the meaning of the recurrence interval. In the annual series, the recurrence interval is the average interval of time within which a flood of a given size will be equaled or exceeded once as an annual maximum. In the partial-duration series, the recurrence interval is the average interval of time within which a flood of a given size will be equaled or exceeded once without regard to its relation to any time period. If a frequency curve based on the partial-duration series is desired, the annual flood series curve can be converted to the partial-duration series curve from the relations shown in the preceding table.

The steps taken in this study were (1) preparation of a flood-frequency curve for each gaging station, (2) definition of homogeneous flood

regions based on the individual frequency curves, and (3) correlation of the mean annual flood (from step 1) with drainage area and, where significant, with mean basin altitude. All correlations in this analysis were made graphically.

HOMOGENEITY

Before numerous station records were combined on a regional basis, a test of homogeneity (see Dalrymple, 1960) was made to insure that all records were from a region of similar flood-frequency characteristics. Individual stations having flood-frequency curves of similar slope define a homogeneous flood region.

Outlines of the four flood regions shown on plate 2 are based on the results of the homogeneity test with due consideration given to geographic environments.

REGIONAL FLOOD FREQUENCY

A frequency graph based on the combined flood experience at several stations within a homogeneous region has much firmer support than one based on flood experience at a single station. If all gaged streams within a region show frequency graphs of the same general shape and slope, the region is considered homogeneous with respect to flood-frequency characteristics, and the shape of the frequency graph as defined by gaged streams is considered applicable to ungaged streams in that region.

COMPOSITE FREQUENCY CURVES

A composite frequency curve based on individual curves for all gaging stations in a homogeneous flood region minimizes the variations due to chance sampling. For each gaging station, the mean annual flood was obtained from the station frequency curve. Dividing each annual flood by the mean annual flood provides a dimensionless ratio for each recurrence interval. Flood ratios from each station record for selected recurrence intervals were listed, and the median flood ratios derived. The median flood ratios were plotted versus their corresponding recurrence intervals. A curve averaging these points represents the flood-frequency relation for the region (figs. 2, 3). Flood ratios for any recurrence interval (50 years or less) are obtained from the composite frequency curves. The peak discharge is estimated by multiplying the flood ratio by the mean annual flood.

The maximum floods of record and other pertinent data for stations used in the analysis are listed in table 1.

DERIVATION OF THE MEAN ANNUAL FLOOD

To apply the regional flood-frequency curve to any selected basin, the mean annual flood for the site must be determined. A graphical

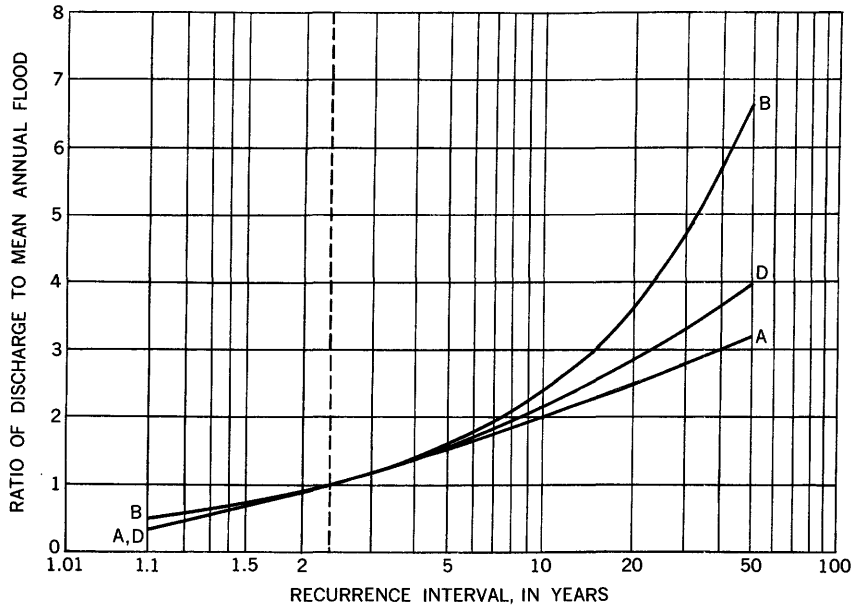

FIGURE 2.—Composite frequency curves, regions A, B, and D.

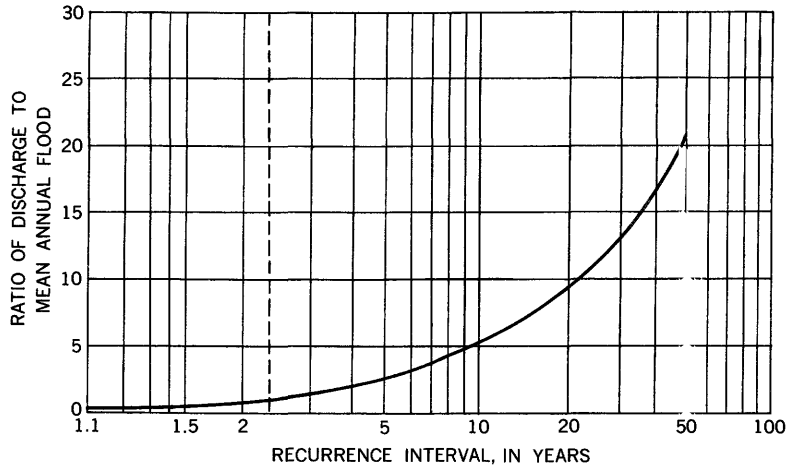

FIGURE 3.—Composite frequency curve, region C.

multiple correlation of mean annual floods and drainage basin characteristics was used to determine the mean annual flood.

BASIN CHARACTERISTICS

Flood data at a given point on a stream integrate all the flood characteristics of the drainage basin to that point. These charac-

teristics are complex and difficult to define or separate. Several have been used in this study to determine their significance in defining the mean annual flood.

The basin characteristics investigated were drainage area, mean altitude, stream length, slope, shape, aspect, mean annual precipitation, and mean annual runoff. Those characteristics found statistically significant in multiple correlations are:

1. Drainage area.—The drainage area of a stream at a specified location, in square miles, measured on horizontal plane.
2. Mean altitude.—The mean altitude of a drainage basin.

MEAN ANNUAL FLOOD RELATIONS

The mean annual floods for the 113 gaging stations were correlated with basin characteristics to define the 8 hydrologic areas as shown on plate 1.

The drainage area parameter was significant in each of the hydrologic areas, whereas mean altitude was significant only in areas 1, 2, and 7. For each hydrologic area a curve or a family of curves was drawn (figs. 4–7). The range of the data available in each area determines the limits for which the curves should be used.

MAJOR RIVERS

Manmade development of the main stems of the Bear, Weber, Provo, Sevier, Walker, Carson, Humboldt, and Truckee Rivers has changed the regimen of these rivers to such a degree that each must be treated separately; consequently, the flood data for each part was analyzed independently, The parts referred to are identified on plates 1 and 2 by heavy dashed lines along either side of the river. Continuous records for these large rivers were available for longer periods than the 1938–59 base used in the general analysis.

The discharge for the 50-year flood at each gaging site was related to the corresponding river miles upstream from the mouth or from a specified point (figs. 8–15). Because the regimen of the rivers is affected by regulation and diversion, it is impractical to estimate the magnitude of floods for recurrence intervals of less than 50 years.

The maximum flood of record and corresponding 50-year flood for 48 gaging stations on major rivers are listed in table 2. The location of each station is shown on plate 1.

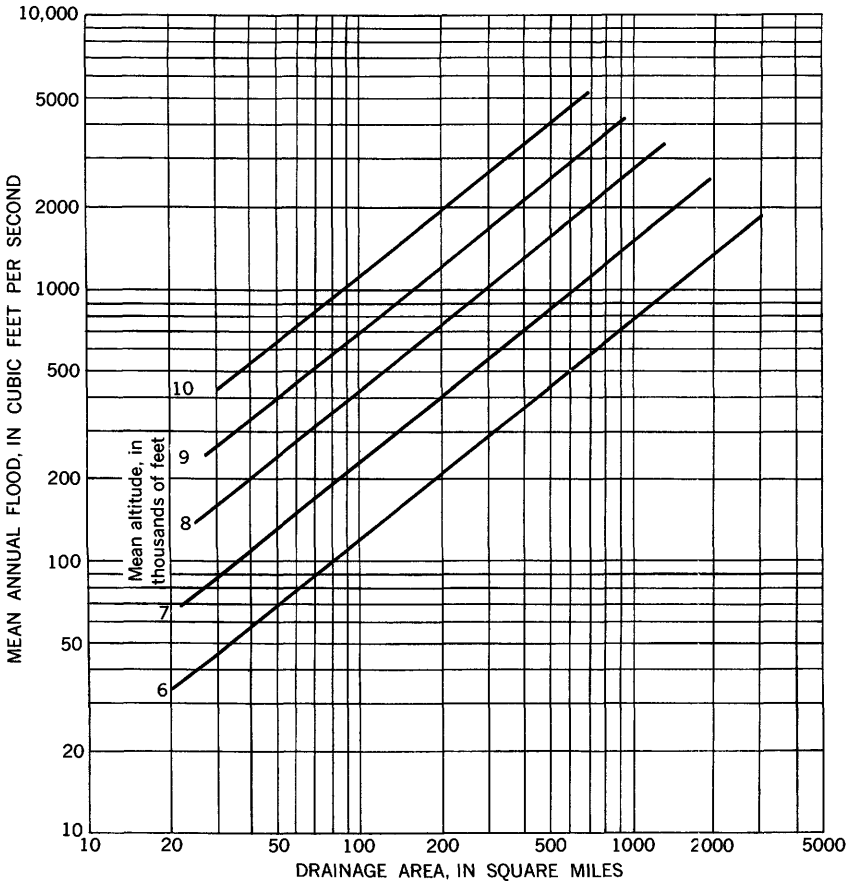

FIGURE 4.—Variation of mean annual flood with drainage area and mean altitude in hydrologic area 1.

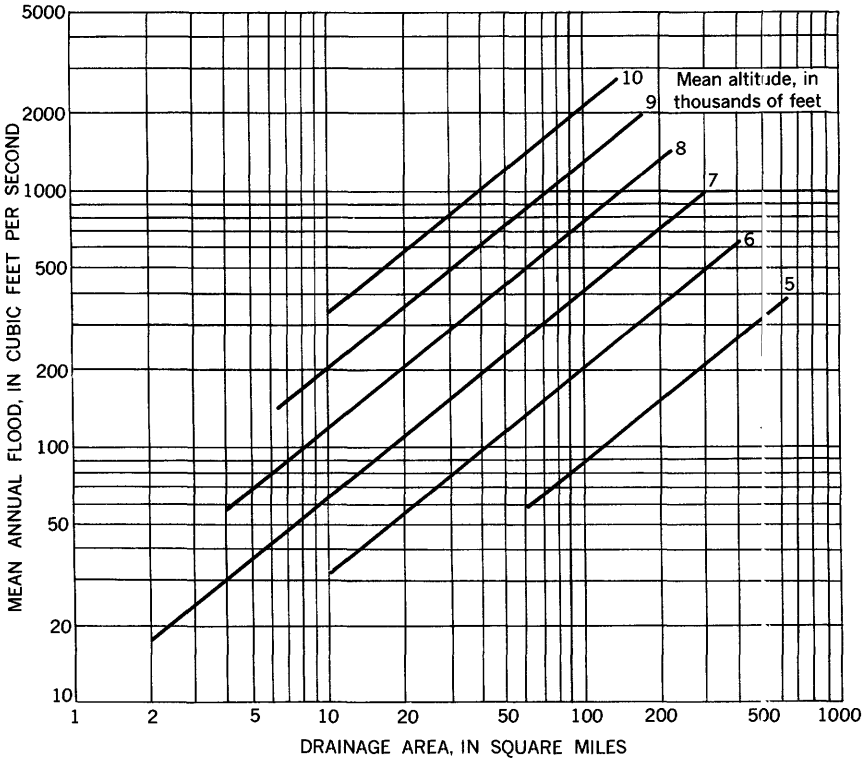

FIGURE 5.—Variation of mean annual flood with drainage area and mean altitude in hydrologic area 2.

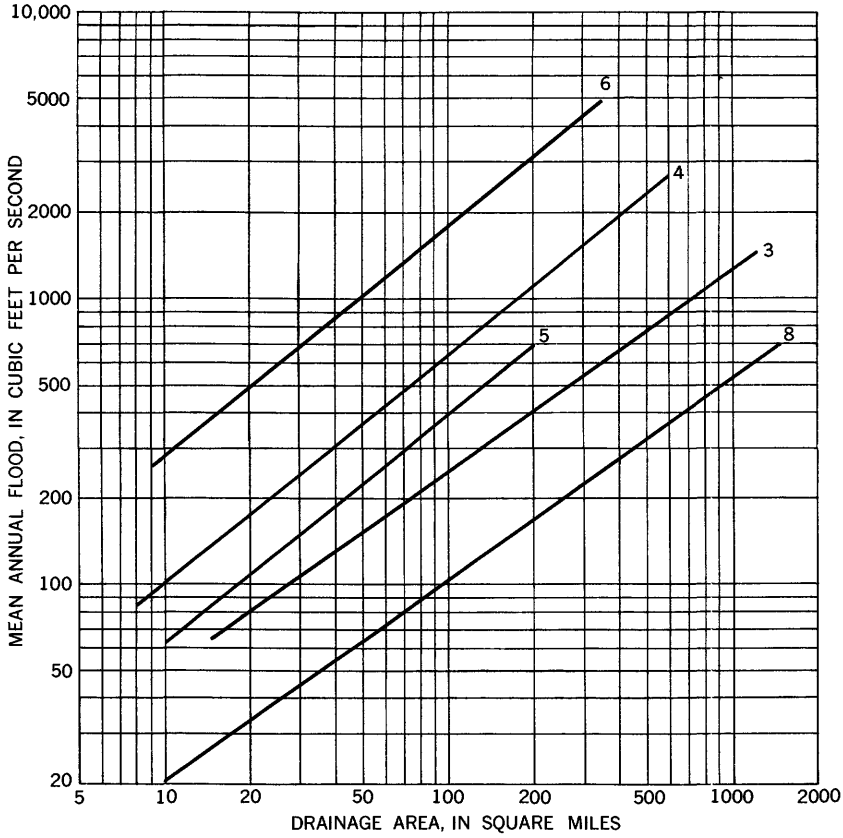

FIGURE 6.—Variation of mean annual flood with drainage area in hydrologic areas 3–6, and 8.

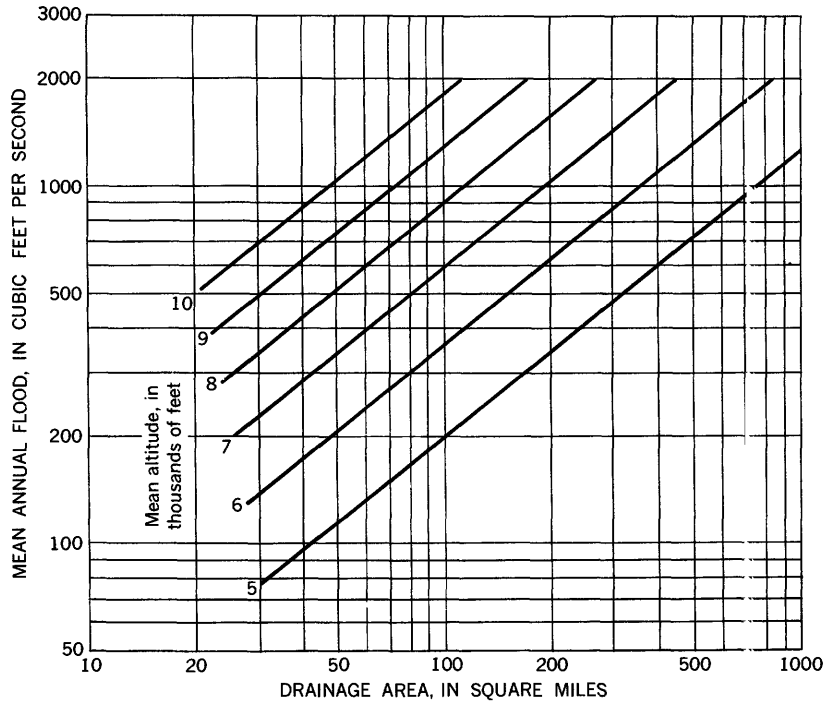

FIGURE 7.—Variation of mean annual flood with drainage area and mean altitude in hydrologic area 7.

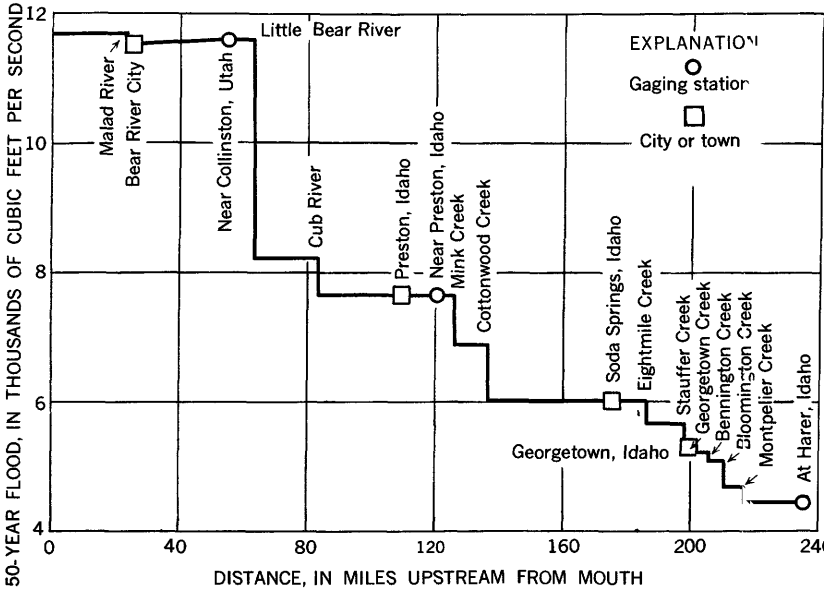

FIGURE 8.—Variation of 50-year flood with channel distance upstream from mouth, Bear River.

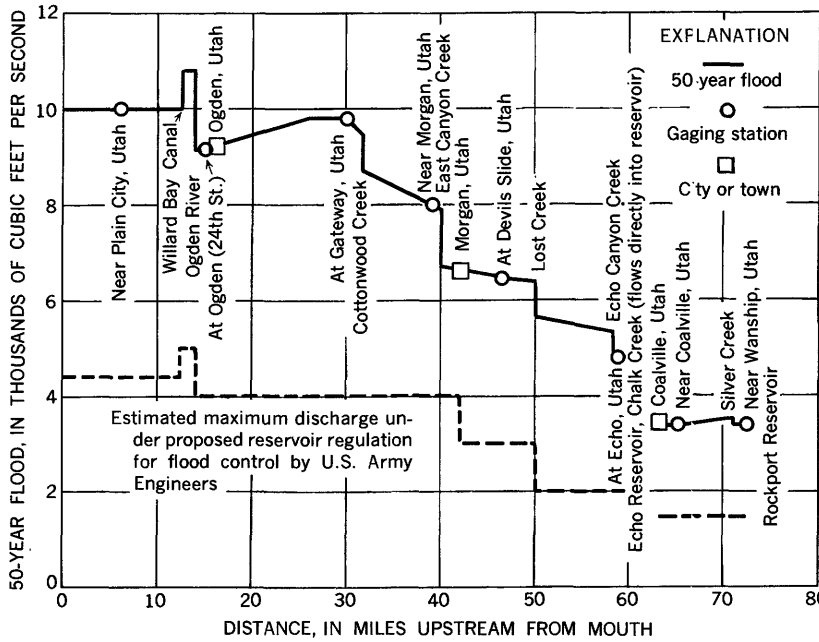

FIGURE 9.—Variation of 50-year flood with channel distance upstream from mouth, Weber River.

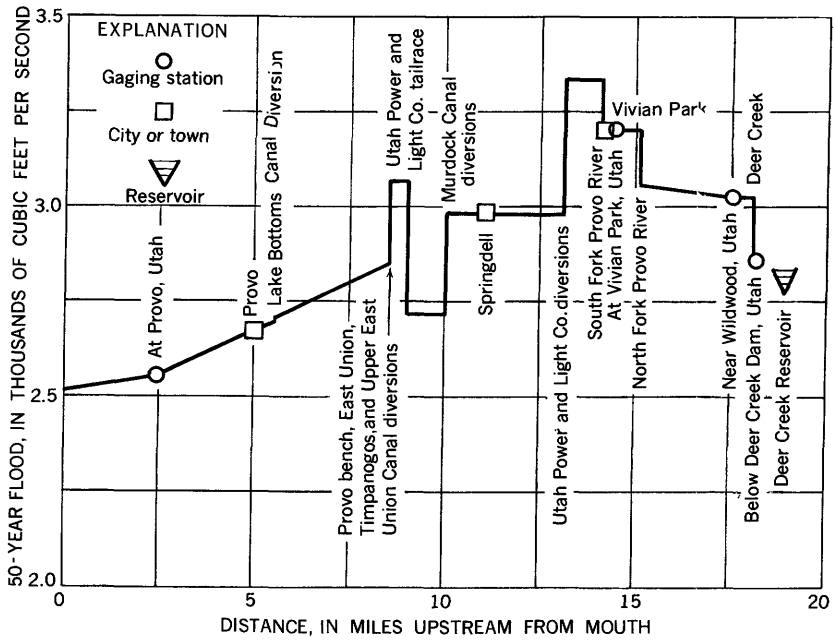

FIGURE 10.—Variation of 50-year flood with channel distance upstream from mouth, Provo River.

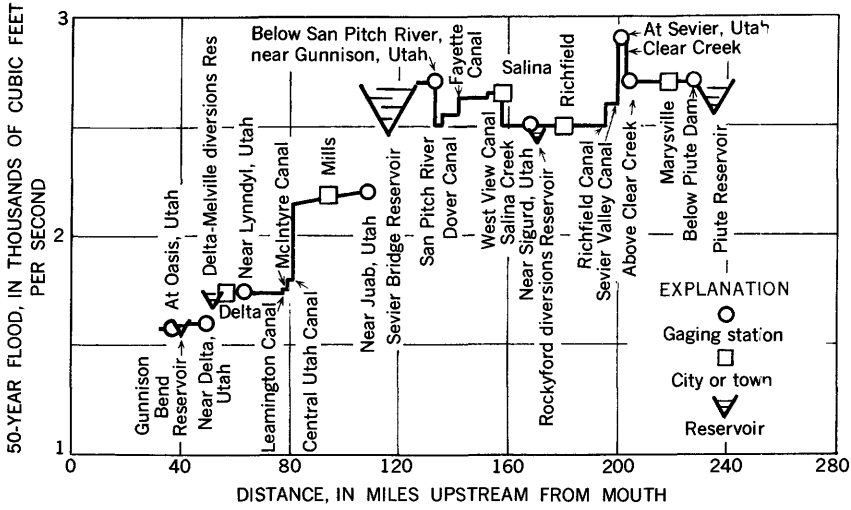

FIGURE 11.—Variation of 50-year flood with channel distance upstream from mouth, Sevier River.

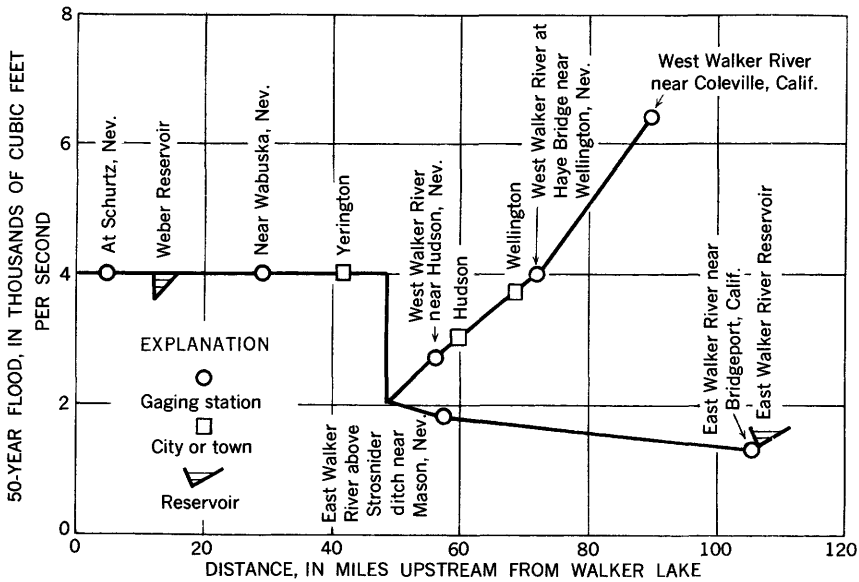

FIGURE 12.—Variation of 50-year flood with channel distance upstream from Walker Lake, Walker River.

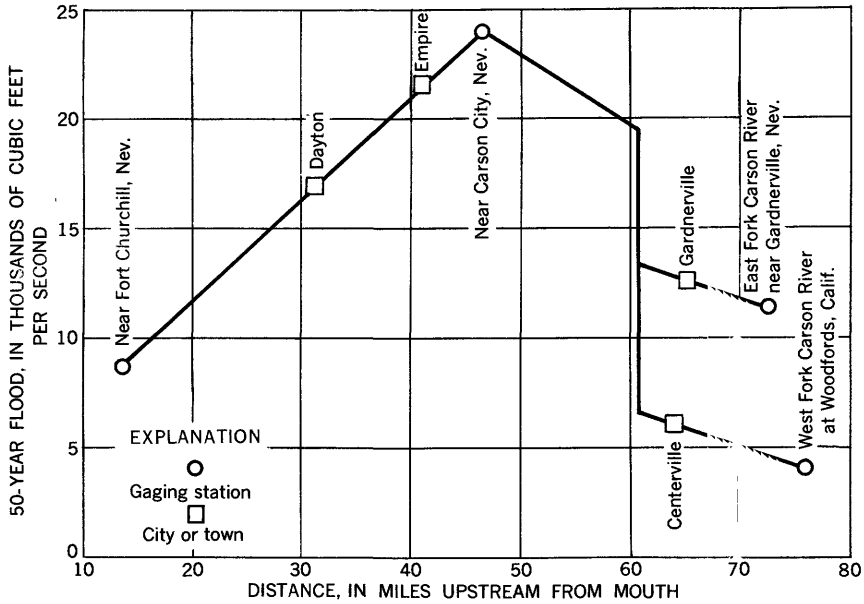

FIGURE 13.—Variation of 50-year flood with channel distance upstream from mouth, Carson River.

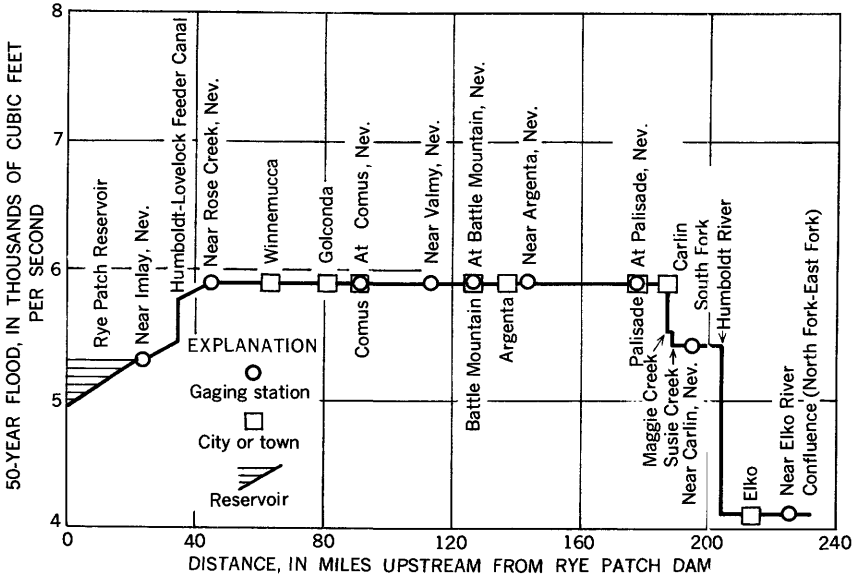

FIGURE 14.—Variation of 50-year flood with channel distance upstream from Rye Patch Dam, Humboldt River.

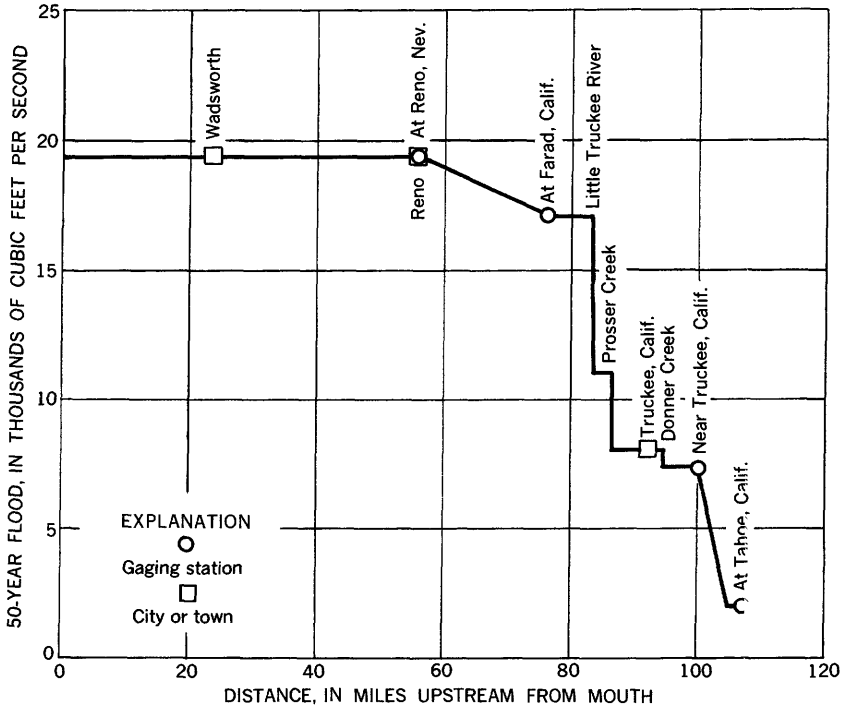

FIGURE 15.—Variation of 50-year flood with channel distance upstream from mouth, Truckee River.

CLOUDBURST FLOODS AND MUD-ROCK FLOWS

Cloudburst floods and mud-rock flows are common to most parts of the Great Basin. In general, these floods occur during the summer. Although cloudburst storms may occur on many days in one season and cloudburst activity perhaps spread over a large area, the high-intensity rainfall is limited to small areas, usually less than 1 square mile. Observations of rainfall intensities by unofficial observers have indicated that as much as 7 inches have fallen in less than 1 hour. Also, recent measurements have shown that flood peaks may exceed 3,000 cfs (cubic feet per second) per square mile from some small drainage basins. Examination of the channels and debris cones and flood history records collected from local residents indicate that the recurrence interval for these floods probably exceeds 50 years.

Some drainage basins are subject to more cloudburst floods than others even in the same general locality. For example, Pleasant Creek near Mount Pleasant, Utah, has experienced a greater number of floods than some nearby streams and has a large alluvial cone covering more than 12 square miles; this cone is evidence of extreme flooding.

Mud-rock flows are described as flows of mud, rock, debris, and water mixed to a consistency of wet concrete. Although mud-rock flows may be associated with cloudburst floods, the presence of certain conditions are required to produce them. A wide variety of these flows has been observed, and the flows occur on many types of streams ranging from those carrying a small load of sediment to those moving large amounts of mud, rock, and other debris. Some flows have just enough water to lubricate the mass of moving material and usually travel at a low velocity. The infrequent observation of mud-rock flows makes it difficult to estimate the probable recurrence interval at any one site.

APPLICATION OF FLOOD CURVES

The application of methods described in this report to a given drainage basin requires determining the drainage area and, for certain basins, the mean altitude.

METHOD

The magnitude of floods for selected recurrence intervals can be determined as follows:

1. Measure the drainage area in square miles above the site by planimeter or other acceptable procedure.
2. Locate site on plates 1 and 2 to determine the flood region and hydrologic area. It should be noted that the hatching on these plates represents poorly defined areas. The hatched parts are extensions from the flood region or hydrologic area which was considered to most nearly have similar runoff characteristics. The letter or number appearing in each hatched area is the suggested flood region or hydrologic area to use in estimating future floods in the poorly defined areas. The hatched areas overlap adjacent areas to indicate that there is no definite line of demarcation between them; therefore, to estimate floods for streams in or near the crosshatched areas, a weighted mean should be applied to the results obtained from each of the two areas.
3. For hydrologic areas 1, 2, and 7, determine the mean basin altitude. This altitude can be determined by placing a transparent rectangular grid system overlay on a contour map and recording the altitude of the intersections within the drainage basin. The grid spacing should be such that sufficient points are picked off to determine the altitude adequately. The arithmetic average of these values represents the mean altitude of the drainage basin.
4. Use drainage area (and mean altitude, if applicable) and select the mean annual flood from appropriate hydrologic area curves (figs. 4–7).

5. Obtain the flood ratio for the selected recurrence interval from the flood-frequency curves (figs. 2, 3). When the basin is adjacent to, or in, more than one flood region or hydrologic area, weighted average values should be used.
6. Estimate the magnitude of the flood for the selected recurrence interval by multiplying the mean annual flood from step 4 by the selected flood ratios from step 5.

USE OF FLOOD-FREQUENCY ANALYSIS FOR MAJOR RIVERS

For the value of the 50-year flood at a point on a major river (main stem of Bear, Weber, Provo, Sevier, Walker, Carson, Humboldt, and Truckee Rivers):

1. Scale the mileage of the main stem from a known reference point as indicated on graph (figs. 8–15).
2. Select magnitude of 50-flood from graph.

Use of the main-stem analysis on some major rivers may require knowledge of local conditions such as operation of reservoirs. The Weber River is the only stream that has a specific flood-control plan. The proposed magnitude of the controlled flow is shown for this river (fig. 9) along with the flood experience prior to the initiation of the plan.

LIMITATIONS

The magnitude and frequency of floods for recurrence intervals ranging between 1.1 and 50 years can be estimated for any site in the Great Basin, gaged or ungaged, within the limits of the base data.

Flood-frequency relations are defined from the records of streams with natural flow. Curves should not be extrapolated beyond the limits shown. Magnitude and frequency of floods on regulated streams will require corrections for manmade development.

Frequency estimates presented are in terms of averages for very long periods of time, and no prediction is made for regularity of recurrence. For example, several 50-year floods may occur in a given 50-year period, or no 50-year flood may occur in a period much longer than 50 years.

GAGING-STATION RECORDS

A tabulation of flood peaks and a brief description of the gaging stations are included in this report. All annual peaks are shown and the floods above a selected base are listed for most stations.

The downstream order of listing gaging stations and reference numbers corresponds to that used in Geological Survey water-supply papers. The peaks are listed by water year, October 1 through September 30, designated by the calendar year in which it ends.

Peak discharges, unless otherwise noted, are the instantaneous peaks in cubic feet per second. In situations where instantaneous peak data are not available, the maximum daily discharge is shown with an appropriate footnote.

Underlines in the tabular data have the following significance:

1. Line in "Water year" column means discontinuous record.
2. Line beginning at "Date" column and extending through "Discharge" column means change in site and datum with no break in record.
3. Line in "Gage height" column means change in datum.
4. Line in "Date" and "Discharge" columns means change in site, but no change in datum.
5. No underlines are used if changes in site and datum have been adjusted to present conditions.

The flood records for other gaging stations, including the 203 stations that are listed in table 3, were not used in this report for one of the following reasons: (1) Flow affected by diversions or regulations, (2) flow typical of other record used, (3) short record, less than 5 years through 1959, (4) spring fed, (5) irrigation season records only, (6) unable to extend record through base period, and (7) record consists of maximum daily only.

Peak discharges at miscellaneous sites and unusual floods at short-term gaging stations are listed in table 4 for 65 sites in the Great Basin.

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Table 1.--Data for gaging stations used to define regional flood-frequency relations

No.	Gaging station	Drainage area (sq mi)	Period of known floods (water years)	Mean altitude of drainage basin	Station Q2.33 (cfs)	Areal Q2.33 (cfs)	Flood region and hydrologic area	Maximum flood				
								Date	Gage height (feet)	Discharge		
										Cfs	Cfs per sq mi	Recurrence interval (years)
	Bear River basin											
115	Bear River near Utah-Wyoming State line.	176	1943-63	9,770	1,880	1,550	A1	June 6, 1957	4.27	2,800	15.9	8
120	Mill Creek at Utah-Wyoming State line. a/	60	1943-48, 1950-62	9,320	440	545	A1	June 7, 1957	4.39	690	11.5	3
160	Sulphur Creek near Evanston, Wyo.....	80.5	1943-59	7,930	515	342	A1	Apr. 23, 1952	4.93	1,220	15.2	b 1.1
190	Bear River near Evanston, Wyo.....	715	1914-56	8,130	1,900	2,200	A1	June 14, 1921	6.35	3,690	5.2	6
205	Bear River near Woodruff, Utah.....	870	1942-61	7,930	1,800	2,270	A1	Apr. 28, 1952	5.32	3,010	3.5	4
210	Woodruff Creek near Woodruff, Utah....	65	1938-43, 1950-63	7,900	310	285	A1	May 25, 1950	5.72	528	8.1	8
230	Big Creek near Randolph, Utah.....	52.2	1939-44, 1950-63	7,370	94	180	A1	July 11, 1957	3.75	337	6.5	8
265	Bear River near Randolph, Utah.....	1,640	1944-63	7,470	1,400	3,000	A1	May 8, 1952	8.80	2,660	1.6	2
270	Twin Creek at Sage, Wyo.....	246	1943-62	7,180	265	542	A1	Mar. 18, 1947	6.08	649	2.6	3
320	Smiths Fork near Border, Wyo.....	165	1942-63	8,270	950	730	A1	June 7, 1957	4.56	1,500	9.1	11
350	Smiths Fork at Cokeville, Wyo.....	275	1942-52	7,810	1,000	860	A1	May 4, 1952	5.63	1,320	4.8	5
395	Bear River at Border, Wyo.....	2,490	1938-39, 1941-63	7,360	2,050	3,960	A1	May 11, 1952	8.89	3,680	1.5	2
400	Thomas Fork near Geneva, Idaho.....	45.3	1940-51	7,170	180	141	A1	May 18, 1950	4.25	418	9.2	41
405	Salt Creek near Geneva, Idaho.....	37.6	1940-51	7,390	215	141	A1	May 18, 1950	5.02	382	10.2	26
410	Thomas Fork near Wyoming-Idaho State line.	113	1950-63	7,290	400	318	A1	May 18, 1950	5.55	869	7.7	28
425	Thomas Fork near Raymond, Idaho.....	202	1943-52	7,090	435	430	A1	May 19, 1950	7.62	1,070	5.3	20
475	Montpelier Creek at irrigators weir near Montpelier, Idaho.	50.9	1943-63	7,370	115	177	A1	May 18, 1950	2.91	224	4.4	3
585	Bloomington Creek near Bloomington, Idaho.	22.1	1943-47	7,860	150	118	A1	June 2, 1943	2.67	184	8.3	5
690	Georgetown Creek near Georgetown, Idaho.	22.2	1912,1914, 1940-56	7,830	53	117	A1	June 8, 1912	1.75	162	7.3	4
845	Cottonwood Creek near Cleveland, Idaho.	61.7	1939-63	6,650	375	227	A2	Apr. 27, 1952	3.83	773	12.5	b 1.1
875	Mink Creek below Dry Fork, near Mink Creek, Idaho.	19.3	1947-52, 1956-62	7,070	425	118	A2	May 29, 1948	-	600	31.1	b 1.6
								May 7, 1957	3.97	-	-	-
965	Maple Creek near Franklin, Idaho.....	21.2	1946-52	6,840	200	108	A2	May 18, 1950	3.15	315	14.9	37
1050	East Fork Little Bear River near Avon, Utah.	50	1938-50	7,370	395	312	A2	Apr. 18, 1946	5.30	960	19.2	44
1060	Little Bear River near Paradise, Utah.	203	1937-63	6,670	720	595	A2	Feb. 11, 1962	6.52	2,000	9.8	b 1.1
1090	Logan River above State dam, near Logan, Utah.	218	1896-1963	7,460	1,080	1,070	A2	May 24, 1907	-	2,480	11.4	16
1135	Blacksmith Fork above Utah Power & Light Co.'s dam near Hyrum, Utah.	260	1914-17, 1919-63	7,150	520	1,000	A2	May 15, 1917	6.5	1,620	6.2	6

1190	Little Malad River above Elkhorn Reservoir, near Malad City, Idaho.	120	1912-13, 1932, 1941-63	6,080	128	255	A2	Feb. 10, 1962	4.85	1,450	12.1	b 1.8
1225	Devil Creek above Campbell Creek, near Malad City, Idaho.	13	1939-61	6,010	102	40	A2	Aug. 25, 1961	3.65	194	14.9	b 1.6
1255	Malad River at Woodruff, Idaho.....	485	1939-63	5,650	400	525	A2	Feb. 12, 1962	8.93	2,530	5.2	b 1.5
	Weber River basin											
1285	Weber River near Oakley, Utah.....	163	1905-63	9,090	1,820	2,050	A2	June 13, 1921	9.0	4,170	25.6	10
1300	Silver Creek near Wanship, Utah.....	28	1942-46	7,100	285	162	A2	Apr. 4, 1942	4.28	430	15.4	25
1310	Chalk Creek at Coalville, Utah.....	253	1905, 1927-63	7,540	640	1,270	A2	Apr. 28, 1952	4.67	1,540	6.1	3
1325	Lost Creek near Croydon, Utah.....	133	1921-23, 1941-52, 1954-63	7,320	240	660	A2	May 10, 11, 18, 1923	4.20	770	5.8	3
1350	Hardscrabble Creek near Porterville, Utah.	28.1	1942-63	7,220	320	176	A2	Aug. 20, 1945	3.60	464	16.5	25
1375	South Fork Ogden River near Huntsville, Utah.	148	1921-63	7,960	890	1,030	A2	May 3, 1952	5.98	1,890	12.8	8
	Tributaries between Weber and Jordan Rivers											
1415	Holmes Creek near Kaysville, Utah.....	2.49	1950-63	7,580	23	32	A2	May 3, 1952 Jan. 17, 1960	1.13 c 1.71	36 -	14.5 -	3 -
1420	Farmington Creek above diversions, near Farmington, Utah.	10	1950-63	7,470	138	91	A2	May 20, 1958	1.86	282	28.2	47
1440	Stone Creek above diversions, near Bountiful, Utah.	4.48	1950-63	7,050	34	36	A2	May 5, 1952	2.79	82	18.3	15
	Jordan River basin											
1460	Salt Creek at Nephi, Utah.....	95.6	1926-37, 1951-63	7,330	190	240	B3	July 17, 1932	5.0	800	8.4	18
1475	Payson Creek above diversions, near Payson, Utah.	18.8	1947-63	7,610	150	77	B3	May 4, 1952	2.99	465	24.7	44
1485	Spanish Fork at Thistle, Utah.....	490	1908-25, 1933-63	7,130	485	750	B3	May 4, 1952	7.96	1,800	3.7	10
1525	Hobble Creek near Springville, Utah...	105	1904-16, 1945-63	7,110	290	257	B3	May 4, 1952	7.83	1,250	11.9	32
1535	Provo River near Kamas, Utah.....	29.6	1950-63	9,710	480	715	A2	June 6, 1957	3.66	825	27.9	3
1550	Provo River near Hailstone, Utah.....	233	1950-63	8,600	1,350	2,130	A2	June 4, 1957	7.28	3,880	16.7	8
1600	Deer Creek near Wildwood, Utah.....	26	1939-43, 1945-50	7,450	82	195	A2	May 3, 1945	1.50	99	3.8	1
1655	Dry Creek near Alpine, Utah.....	9.82	1947-55, 1959-63	8,770	220	184	A2	Aug. 25, 1961	3.80	d 597	6.1	50
1660	Fort Creek at Alpine, Utah.....	6.55	1947-55	7,500	120	66	A2	Aug. 4, 1951	4.60	246	37.6	b 1.2
	Sevier Lake basin											
1745	Sevier River at Hatch, Utah.....	340	1912-23, 1925-26, 1939-63	8,480	610	585	B3	May 26, 1922	5.25	e 1,490	4.4	12
1335	Sevier River near Kingston, Utah.....	1,110	1916-26, 1928, 1930-31, 1933-63	7,790	670	1,330	B3	Mar. 4, 1938	5.20	3,000	2.7	9
1950	Clear Creek at Sevier, Utah.....	169	1912-19, 1935-58	7,690	270	358	B3	Aug. 17, 1955	5.97	611	3.6	6

See footnotes at end of table.

Table 1.--Data for gaging stations used to define regional flood-frequency relations--Continued

No.	Gaging station	Drainage area (sq mi)	Period of known floods (water years)	Mean altitude of drainage basin	Station Q2.33 (cfs)	Areal Q2.33 (cfs)	Flood region and hydrologic area	Maximum flood				
								Date	Gage height (feet)	Discharge		
										Cfs	Cfs per sq mi	Recurrence interval (years)
	Sevier Lake basin--Continued											
2060	Salina Creek at Salina, Utah.....	298	1914-15, 1919, 1943-55	7,810	830	533	B3	July 27, 1953	6.70	2,650	8.9	33
	Pavant Valley											
2325	Chalk Creek near Fillmore, Utah.....	60	1914,1944-63	8,020	320	173	B3	July 31, 1961	-	1,850	30.8	41
	Parowan Valley											
2415	Center Creek near Parowan, Utah.....	60	1943-50	8,680	132	173	B3	Aug. 5, 1945	4.59	386	6.4	9
	Cedar City Valley											
2420	Coal Creek near Cedar City, Utah.....	79	1916-19, 1935-63	8,640	880	210	B3	July 9, 1936	6.4	2,910	36.8	b 2.1
	Snake Valley											
2432.4	Baker Creek at narrows near Baker, Nev.	16.4	1948-55, 1960-63	9,810	86	29	A8	June 7, 1952	2.72	178	10.9	b 1.9
2432.6	Lehman Creek near Baker, Nev.....	11	1948-55	9,130	23	22	A8	June 2, 1952	1.49	45	4.1	11
	Salton Sea basin											
2558	Coyote Creek near Borrego Springs, Calif.	144	1951-63	3,700	440	860	C4	July 28, 1951	14.14	3,800	26.4	9
2558.1	Borrego Palm Creek near Borrego Springs, Calif.	21.7	1951-63	4,480	25	190	C4	Aug. 23, 1955	9.9	f2,000	92.2	24
2560	Whitewater River at White Water, Calif.	57.4	1949-63	5,530	575	412	C4	Apr. 3, 1958	8.35	g1,500	261	7
2580	Tahquitz Creek near Palm Springs, Calif.	16.7	1948-63	6,920	150	153	C4	Aug. 31, 1954	10.0	1,570	94.0	23
2585	Palm Canyon Creek near Palm Springs, Calif.	94.0	1931-41, 1948-63	3,950	370	615	C4	Feb. 6, 1937	5.60	3,850	41.0	13
2590	Andreas Creek near Palm Springs, Calif.	8.78	1950-63	4,500	75	91	C4	Aug. 31, 1954	7.11	1,960	223	b 1.1
	Mojave River basin											
2605	Deep Creek near Hesperia, Calif.....	137	1859-1963	5,760	2,900	825	C4	Mar 2, 1938	-	46,600	340	b 2.8
2610	West Fork Mojave River near Hesperia, Calif.	74.8	1859-1963	4,080	1,550	510	C4	Mar. 2, 1938	-	26,100	349	b 2.5
2615	Mojave River at lower narrows near Victorville, Calif.	530	1856-1963	4,000	1,800	2,430	C4	Mar. 2, 1938	18.7	70,600	133	b 1.4

	Antelope Valley												
2635	Big Rock Creek near Valyermo, Calif...	23.0	1923-63	6,280	260	198	C4	Mar. 2, 1938	-	8,300	361	b 2.1
2640	Little Rock Creek near Little Rock, Calif.	49.0	1931-33, 1935-63	5,470	880	362	C4	Mar. 2, 1938	-	h17,000	347	b 2.3
	Owens Lake basin												
2670	Pine Creek at division box, near Bishop, Calif.	37.9	1922-58, 1960-63	10,270	272	183	A5	June 30, 1956	5.54	370	9.8	10
2760	Big Pine Creek near Big Pine, Calif...	39.0	1908-10, 1920-58, 1960-63	9,660	209	188	A5	July 3, 1932	6.55	458	11.7	19
2860	Cottonwood Creek near Olancha, Calif..	39.9	1906-10, 1914-63	9,960	142	191	A5	June 13, 1906	-	434	10.9	15
	Walker Lake basin												
2890	Virginia Creek near Bridgeport, Calif.	64	1954-63	8,390	175	280	D5	Dec. 23, 1955	8.40	1,300	20.3	b 1.2
2900	Summers Creek near Bridgeport, Calif..	12.6	1954-59	9,210	40	76	D5	Dec. 23, 1955	5.95	690	54.8	b 2.3
2915	Buckeye Creek near Bridgeport, Calif..	45	1954-63	9,200	420	210	D5	Feb. 1, 1963	4.41	947	21.0	b 1.1
2920	Swager Creek near Bridgeport, Calif...	53	1954-63	8,390	36	240	D5	Dec. 23, 1955	6.24	585	11.0	14
2955	Little Walker River near Bridgeport, Calif.	63	1945-63	8,780	312	276	D5	Jan. 31, 1963	-	1,510	24.0	b 1.4
2960	West Walker River below Little Walker River, near Coleville, Calif.	182	1938-63	8,830	2,000	650	D5	Nov. 20, 1950	8.10	6,220	34.2	b 2.4
	Carson River basin												
3025	East Fork Carson River above Soda Springs ranger station, near Markleeville, Calif.	30	1947-51	8,790	700	690	D6	Nov. 20, 1950	7.62	3,570	119	b 1.3
3030	Silver King Creek near Coleville, Calif.	30	1947-51	8,840	305	690	D6	Nov. 20, 1950	5.47	748	24.9	3
3040	Wolf Creek near Markleeville, Calif...	9.8	1947-51	8,700	280	285	D6	Nov. 20, 1950	7.10	1,480	151	b 1.3
3045	Silver Creek below Pennsylvania Creek, near Markleeville, Calif.	20	1947-63	8,200	480	500	D6	Feb. 1, 1963	5.28	2,220	111	b 1.1
3060	Hot Springs Creek near Markleeville, Calif.	14	1947-57	8,170	395	375	D6	Nov. 20, 1950	8.49	1,740	124	b 1.2
3105	Clear Creek near Carson City, Nev.....	15	1948-63	6,730	33	395	D6	Jan. 31, 1963	2.29	170	11.4	1
	Humboldt River basin												
3155	Marys River above Hot Springs Creek, near Deeth, Nev.	415	1943-63	6,610	465	1,570	A7	Feb. 12, 1963	7.63	4,210	10.1	27
3165	Lamoille Creek near Lamoille, Nev.....	25	1915-16, 1918-20, 1922,1944-63	9,040	420	442	A7	June 4, 1957	- ✓	i 794	31.8	8
3175	North Fork Humboldt River at Devils Gate, near Halleck, Nev.	830	1914-19,1921, 1944-63	6,090	700	2,050	A7	Feb. 11, 1962	16.12	10,400	12.6	b 1.6
3190	South Fork Humboldt River near Lee, Nev.	54	1945-55	8,570	720	700	A7	May 27, 1951	3.81	935	17.3	4
3195	Huntington Creek near Lee, Nev.....	770	1949-63	6,410	310	438	A8	Feb. 10, 1962	7.99	2,160	2.8	b 1.6
3205	South Fork Humboldt River near Elko, Nev.	1,310	1897-1909, 1911-1918, 1921,1924-32, 1937-63	6,330	985	630	A8	Jan. 26, 1914 Feb. 11, 1962	c 12.0 8.00	- 2,830	- 2.1	- b 1.4

See footnotes at end of table.

Table 1.--Data for gaging stations used to define regional flood-frequency relations--Continued

No.	Gaging station	Drainage area (sq mi)	Period of known floods (water years)	Mean altitude of drainage basin	Station Q2.33 (cfs)	Areal Q2.33 (cfs)	Flood region and hydrologic area	Maximum flood				
								Date	Gage height (feet)	Discharge		
										Cfs	Cfs per sq mi	Recurrence interval (years)
	Humboldt River basin--Continued											
3230	Pine Creek near Palisade, Nev.....	999	1912-14, 1946-58,1962	6,210	155	525	B8	Feb. 11, 1962	-	3,140	3.1	43
3245	Rock Creek near Battle Mountain, Nev..	875	1896,1918-23, 1946-63	5,730	470	475	B8	Feb. 11, 1962	6.89	4,800	5.5	1.5
3255	Reese River near Ione, Nev.....	44	1952-63	8,820	82	58	B8	July 27, 1956	4.86	512	11.6	b 1.3
3285	Little Humboldt River at Chimney dam-site, near Paradise Valley, Nev.	715	1942-50	5,770	350	415	B8	Jan. 22, 1943	14.4	4,000	5.6	b 1.5
3295	Martin Creek near Paradise Valley, Nev.	172	1922-27, 1929-33, 1935-63	6,210	300	630	B7	Jan. 21, 1943	11.1	9,000	52.3	b 2.2
3305	Cottonwood Creek at Paradise Valley, Nev.	57.4	1945-51	5,940	245	220	B7	Mar. 19, 1950	3.16	794	13.8	20
	Pyramid and Winnemucca Lakes basin											
3405	Prosser Creek near Bocca, Calif.....	53.5	1943-63	6,670	1,170	1,100	D6	Dec. 23, 1955	10.13	4,560	85.2	b 1.1
3420	Little Truckee River near Hobart Mills, Calif.	36.6	1947-63	7,220	1,050	810	D6	Feb. 1, 1963	7.76	7,910	216	b 2.5
3435	Sagehen Creek near Truckee, Calif.....	10.9	1954-63	7,130	100	310	D6	Feb. 11, 1963	4.64	765	70.2	14
3485	Franktown Creek at Franktown, Nev.....	14	1948-55	7,410	132	375	D6	Dec.3,4, 1950	-	800	57.1	10
	Black Rock Desert											
3525	McDermitt Creek near McDermitt, Nev...	225	1949-63	5,720	580	605	B7	Feb. 1, 1963	8.64	3,970	17.7	49
3530	East Fork Quinn River near McDermitt, Nev.	140	1949-63	6,110	470	500	B7	Jan. 15, 1956	8.52	1,270	9.1	11
3535	Quinn River near McDermitt, Nev.....	1,100	1949-63	5,420	270	560	B8	Apr. 27, 1952	8.39	1,580	1.4	14
	Eagle Lake basin											
3595	Pine Creek near Westwood, Calif.....	22.6	1951-61	6,450	85	195	D4	Dec. 23, 1955	3.95	174	7.7	2
	Warner Lakes basin											
3660	Twentymile Creek near Adel, Oreg.....	j 194	1911-16, 1918-19, 1921-22, 1941-63	5,800	1,650	1,090	A4	Dec. 23, 1955	14.80	3,260	16.8	41
3700	Camas Creek near Lakeview, Oreg.....	63	1913-14, 1950-63	6,210	520	443	A4	Dec. 22, 1955	5.15	1,630	25.9	b 1.2
3710	Drake Creek near Adel, Oreg.....	67	1915,1923, 1950-63	5,880	515	465	A4	Jan. 31, 1963	5.69	4,050	60.4	b 2.8
3715	Deep Creek above Adel, Oreg.....	249	1923,1930-63	6,110	1,380	1,330	A4	Feb. 1, 1963	7.83	5,500	22.0	b 1.3
3785	Honey Creek near Plush, Oreg.....	170	1890,1910-15, 1921-22, 1930-63	5,910	540	980	A4	Feb. 1, 1963	10.46	6,210	36.6	b 2.0

Abert Lake basin												
3840	Chewaucan River near Paisley, Oreg....	275	1910-63	6,050	980	1,440	A4	Nov. 23, 1909	-	4,000	14.5	30
Malheur and Harney Lakes basin												
3935	Silvies River near Burns, Oreg.....	934	1904,1906, 1909-63	5,200	1,370	1,420	A7	Apr. 6, 1952	15.2	4,960	5.3	b 1.1
3960	Donner und Blitzen River near Frenchglen, Oreg.	200	1911-16, 1918-21, 1930,1938-63	6,160	1,480	690	A7	May 19, 1953	6.29	2,750	13.8	b 1.3
3970	Bridge Creek near Frenchglen, Oreg....	30	1911-16, 1938-63	5,890	148	132	A7	May 19, 1953	2.73	301	10.0	15
4030	Silver Creek near Riley, Oreg.....	228	1952-63	5,180	740	452	A7	Apr. 6, 1952	6.65	1,300	5.7	35
Alvord Lake basin												
4065	Trout Creek near Denio, Nev.....	88	1911,1922-23, 1925-63	5,920	127	95	A8	Aug. 1, 1933	5.26	470	5.3	b 1.5

a Combined with records for station "near Evanston, Wyo."
b Ratio of discharge to that of 50-year flood.
c Backwater from ice.
d Exceeded by flood of Aug. 3, 1951, stage and discharge not determined.
e Exceeded by flood of May 25, 1914, when Hatchtown Dam failed, stage and discharge not determined.
f About.
g Exceeded by flood of Mar. 2, 1938, 42,000 cfs, from slope-area measurement at site 2.5 miles upstream.
h Estimated.
i Caused by failure of diversion dam 200 ft upstream; may have been exceeded by flood in June 1917.
j Including 46 sq mi in Cowhead Lake area.

Table 2.--Maximum discharges at major river stations

No.	Gaging station	Drainage area (sq mi)	Period of known floods (water years)	Maximum flood			
				Date	Gage height (feet)	Discharge	
						Cfs	50-year flood (cfs)
	Bear River						
440	Bear River at Harer, Idaho	2,780	1914-63	May 7, 1952	11.04	4,440	4,450
905	Bear River near Preston, Idaho	4,500	1890-98,1900-2, 1904-16,1944-63	June 9, 1907	-	8,500	7,650
1180	Bear River near Collinston, Utah	6,000	1890-63	June 8, 1909	7.70	11,600	11,600
	Weber River						
1295	Weber River near Wanship, Utah	320	1951-55,1957-58	May 30, 1951	4.73	2,340	3,400
1305	Weber River near Coalville, Utah	438	1927-63	May 6, 1952	-	2,190	3,400
				May 29, 1951	a 5.08	-	-
1320	Weber River at Echo, Utah	732	1927-58	May 13, 1952	7.34	3,060	4,800
1335	Weber River at Devils Slide, Utah	1,100	1905-55	May 22, 1920	8.0	6,000	6,500
1360	Weber River near Morgan, Utah	1,500	1951-55	May 5, 1952	-	b 6,000	8,000
1365	Weber River at Gateway, Utah	1,610	1890-93, 1895-1901, 1921-63	May 31, 1896	-	7,980	9,800
1370	Weber River at Ogden, Utah	1,670	1951-58	May 6, 1952	10.89	7,070	9,200
1410	Weber River near Plain City, Utah	2,060	1905-63	May 6, 1952	19.01	10,100	10,000
	Provo River						
1595	Provo River below Deer Creek Dam, Utah	560	1953-63	June 26, 1957	6.74	2,190	2,870
1605	Provo River near Wildwood, Utah	590	1939-49	May 27,June 12, 1949	4.65	1,440	3,030
1610	Provo River at Vivian Park, Utah	600	1912-63	June 11, 1921	-	3,180	3,200
1630	Provo River at Provo, Utah	680	1903-5,1934, 1937-63	May 6, 1952	6.37	2,520	2,550
	Sevier River						
1915	Sevier River below Piute Dam, near Marysvale, Utah	2,440	1912-63	May 23, 1922	4.45	2,600	2,700
1940	Sevier River above Clear Creek, near Sevier, Utah	2,700	1914-16,1939-55, 1961-63	May 16, 1941	4.83	2,270	2,700
1955	Sevier River at Sevier, Utah	2,850	1917-29	May 1922	-	2,800	2,900
2050	Sevier River near Sigurd, Utah	3,340	1915-63	May 30, 1922	6.1	2,400	2,500
2170	Sevier River below San Pitch River near Gunnison, Utah	4,880	1918-26,1928-63	June 1, 1922	5.68	2,620	2,700
2190	Sevier River near Juab, Utah	5,120	1912-63	June 2, 1922	8.50	2,140	2,200
2240	Sevier River near Lynndyl, Utah	6,270	1914-19,1943-63	Feb. 10, 1962	11.73	2,980	1,740
2280	Sevier River near Delta, Utah	7,380	1913-19	May 31, 1914	6.82	1,470	1,600
2315	Sevier River at Oasis, Utah	8,080	1913-27	June 12, 1914	9.45	1,580	1,580
	Walker River						
2930	East Walker River near Bridgeport, Calif	362	1923-63	Jan. 19, 1963	4.64	1,390	1,300
2935	East Walker River above Strosnider ditch, near Mason, Nev.	1,100	1947-63	Feb. 1, 1963	7.60	2,380	1,800
2965	West Walker River near Coleville, Calif	245	1903-10,1916-38, 1957-63	Dec. 11, 1937	-	6,500	6,400

2975	West Walker River at Hoye Bridge, near Wellington, Nev....	504	1921-22,1924-32, 1958-63	June 6, 1922	-	2,180	4,000
3000	West Walker River near Hudson, Nev.....	964	1915-18,1920-24, 1947-63	Dec. 24, 1955	7.42	2,700	2,720
3015	Walker River near Wabuska, Nev.....	2,600	1903-7,1920-32, 1934-35,1940-63	July 10, 1906	5.90	3,280	4,000
3020	Walker River at Shurz, Nev.....	2,850	1914-33	June 8, 1914	11.0	2,530	4,000
	Carson River						
3090	East Fork Carson River near Gardnerville, Nev.....	344	1890-93,1901-5, 1908-10,1917, 1925-28,1936-38, 1940-63	Dec. 23, 1955	11.88	17,600	11,400
3100	West Fork Carson River at Woodfords, Calif.....	66	1890-91,1901-20, 1938-63	Feb. 1, 1963	9.0	4,890	4,050
3110	Carson River near Carson City, Nev.....	876	1939-63	Dec. 24, 1955	15.0	30,000	24,000
3120	Carson River near Fort Churchill, Nev.....	1,450	1911-63	Feb. 2, 1963	10.83	15,300	8,750
	Humboldt River						
3185	Humboldt River near Elko, Nev.....	2,800	1896-1902, 1945-63	Feb. 13, 1962	12.3	7,070	4,120
3210	Humboldt River near Carlin, Nev.....	4,310	1944-63	Feb. 14, 1962	10.21	6,160	5,420
3225	Humboldt River at Palisade, Nev.....	5,010	1903-63	Feb. 28, 1910	17	17,000	5,900
			1903-6,1911-63	Feb. 12, 1962	10.0	6,610	-
3235	Humboldt River near Argenta, Nev.....	7,490	1946-63	Feb. 15, 1962	10.78	6,000	5,900
3250	Humboldt River at Battle Mountain, Nev.....	8,870	1896-97,1921-23, 1946-61	May 3, 1952	-	b 5,800	5,900
3270	Humboldt River near Valmy, Nev.....	11,400	1950-58	May 5, 1952	-	b 5,800	5,900
3275	Humboldt River at Comus, Nev.....	12,100	1895-1909, 1911-23,1925-26, 1946-63	May 6, 1952	11.52	5,860	5,900
3315	Humboldt River near Rose Creek, Nev.....	15,200	1948-63	May 8, 1952	11.41	5,810	5,900
3330	Humboldt River near Imlay, Nev.....	15,700	1936-41,1945-63	May 9, 1952	12.15	6,080	5,300
	Truckee River						
3375	Truckee River at Tahoe City, Calif.....	507	1901-63	Apr. 5, 1958	7.30	1,870	2,000
3380	Truckee River near Truckee, Calif.....	552	1945-63	Feb. 1, 1963	9.25	11,000	7,300
3460	Truckee River at Farad, Calif.....	932	1900-63	Nov. 21, 1950	14.5	17,500	17,100
3480	Truckee River at Reno, Nev.....	1,067	1907-21,1925-26,	Nov. 21, 1950	13.83	-	-
			1931-34,1947-63	Dec. 23, 1955	-	20,800	19,400

a Present datum.
b Maximum daily.

Table 3.--Peak discharges at gaging stations not used to define regional flood-frequency relations

No.	Gaging station	Drainage area (sq mi)	Period of known floods (water years)	Areal $Q_{2.33}$ (cfs)	Flood region and hydrologic area	Maximum flood				
						Date	Gage height (feet)	Discharge		
								Cfs	Cfs per sq mi	Recurrence interval (years)
	Bear River basin									
140	Bear River above Sulphur Creek, near Evanston, Wyo.	282	1947-56	-	A1	June 14, 1953	5.73	2,970	10.5	8
157	Sulphur Creek above reservoir, near Evanston, Wyo.	64	1958-63	-	A1	Apr. 8, 1952	a 5.56	-	-	-
						Apr. 18, 1958	5.07	560	8.8	9
170	Yellow Creek near Evanston, Wyo.	80	1943-45,1950-63	-	A1	Apr. 28, 1952	7.04	477	6.0	13
215	Birch Creek near Woodruff, Utah.	17	1950-56	-	-	May 22, 1950	3.73	172	-	-
240	Randolph Creek near Randolph, Utah.	30.3	1950-56	-	-	Mar. 24, 1956	2.29	65	-	-
250	Otter Creek near Randolph, Utah.	36.2	1939-44	-	-	July 21, 1943	4.52	203	-	-
285	Bear River below Pixley Dam, near Cokeville, Wyo.	2,040	1942-63	-	-	Mar. 25, 1956	-	b 2,300	-	-
295	Bear River above Sublette Creek, near Cokeville, Wyo.	2,110	1948-55	-	A1	May 10, 1952	9.9	2,620	1.2	2
380	Bear River below Smiths Fork, near Cokeville, Wyo.	2,460	1954-63	-	-	Mar. 26, 1956	7.54	3,780	-	-
445	Bear River at Dingle, Idaho.	2,810	1903-14	-	MS	May 26, June 1, 1907	8.75	4,050	1.4	c .9
465	Bear River below Stewart Dam, near Montpelier, Idaho.	2,820	1922-63	-	MS	June 3, 1923	-	b 3,050	1.1	c .7
470	Montpelier Creek near Montpelier, Idaho.	28.2	1940-44	-	A1	Apr. 24, 1943	3.35	136	4.8	3
630	Mill Creek near Liberty, Idaho.	27.2	1943-47	-	A1	May 31, 1945	-	150	5.5	5
						May 6, 1946	2.93	-	-	-
685	Bear River at Pescadero, Idaho.	3,680	1922-54	-	MS	June 10, 1923	-	b 3,840	1.04	c .7
715	Skinner Creek at Nounan, Idaho.	5.41	1940-45	-	A1	June 8, 1944	-	60	11.1	16
720	Stauffer Creek near Nounan, Idaho.	-	1940-44	-	A1	May 28, 1941	3.85	186	-	-
750	Bear River at Soda Springs, Idaho.	3,970	1896,1944-49, 1951-63	-	MS	June 9,15, 1896	8.40	6,380	1.6	c 1.1
770	Soda Creek near Soda Springs, Idaho.	a 52	1913-26	-	A1	Apr. 6, 1913	5.30	324	6.2	c 1.4
795	Bear River at Alexander, Idaho.	4,050	1911-12, 1914-63	-	MS	Mar. 31, 1911	-	b 4,740	1.2	c .8
						Dec. 11, 1919	a 15.95	-	-	-
840	Cottonwood Creek near Swan Lake, Idaho.	42.6	1939-46	-	A2	Apr. 16, 1946	3.54	497	11.7	47
865	Bear River below Utah Power and Light Co.'s tailrace at Oneida, Idaho.	4,400	1922-63	-	MS	May 8, 1922	-	b 5,480	1.2	.8
895	Mink Creek near Mink Creek, Idaho.	59.7	1943-52	-	A2	June 2, 1950	3.25	b 427	7.3	c 1.4
915	Bear River near Weston, Idaho.	4,480	1920-44	-	MS	May 8, 1922	12.1	6,100	1.4	c .8
930	Cub River near Preston, Idaho.	19.4	1940-52, 1956-63	-	A2	June 7, 1957	-	715	36.9	c 4.1
						June 2, 1943	3.83	-	-	-
960	Cub River above Maple Creek, near Franklin, Idaho.	53.7	1940-52	-	A2	May 25, 1950	3.80	740	13.8	c 3.0
990	High Creek near Richmond, Utah.	16.2	1944-52	-	A2	May 24, 1950	2.31	250	15.4	44
1075	Little Bear River near Hyrum, Utah.	222	1939-63	-	-	Apr. 30, 1952	4.54	986	-	-

1120	Blacksmith Fork at Hardware Ranch, near Hyrum, Utah.	130	1944-50	-	A2	Apr. 18, 1946	4.08	488	3.8	4
1125	Blacksmith Fork at municipal powerplant, near Hyrum, Utah.	153	1930-35	-	A2	May 15, 1932	3.12	469	3.1	1.7
1145	Blacksmith Fork below Utah Power and Light Co.'s plant, near Hyrum, Utah.	286	1902, 1905-10,1914-16	-	A2	Apr. 16, 1907	-	1,900	6.6	c 1.3
1155	Clarkston Creek near Newton, Utah.....	43	1939-47	-	-	Dec. 28, 1945	-	282	-	-
1200	Little Malad River below Elkhorn Reservoir, near Malad City, Idaho.	153	1941-52	-	A2	Aug. 23, 1946	3.50	113	.7	1.2
1205	Little Malad River below Sand Ridge dam-site, near Malad City, Idaho.	223	1946-48, 1950-51	-	-	Feb. 22, 1948	9.6	240	-	-
1215	Malad River below Springs, near Malad City, Idaho.	3.3	1932,1941-47	-	-	July 21, 1947	2.90	40	-	-
1220	Malad River near Samaria, Idaho.....	31	1941-45	-	-	Jan. 23, 1943	3.46	147	-	-
1230	Devil Creek above Evans dividers, near Malad City, Idaho.	36	1941-43,1947-52	-	A2	Apr. 19, 1952	5.79	261	7.3	c 1.1
1235	Devil Creek near Malad City, Idaho.....	39	1932-40	-	-	Aug. 17, 1936	-	60	-	-
1250	Deep Creek below First Creek, near Malad City, Idaho.	32	1932-48	-	A2	July 8, 1937	-	172	5.4	12
1260	Bear River near Corinne, Utah.....	6,800	1950-57	-	MS	Feb. 11, 1951 May 3, 1952	14.83 -	- 7,200	- 1.1	- c.6
				Weber River basin						
1293	Weber River near Peoa, Utah.....	285	1957-63	-	-	June 7, 1957	3.37	2,110	-	-
1330	Lost Creek at Devils Slide, Utah.....	228	1905,1921-33	-	A2	May 11, 1923	4.39	1,390	6.1	c 1.2
1345	East Canyon Creek near Morgan, Utah.....	155	1932-63	-	-	May 4, 1952	3.49	872	-	-
1355	East Canyon Creek below diversions, near Morgan, Utah.	236	1951-55	-	-	May 8, 1952	9.19	926	-	-
1378	Middle Fork Ogden River at Huntsville, Utah	32	1958-63	-	A2	Apr. 19, 1962	2.97	581	18.2	9
1379	Spring Creek at Huntsville, Utah.....	7.2	1958-63	-	A2	Feb. 1, 1963	3.04	179	24.9	c 3.3
1393	Wheeler Creek near Huntsville, Utah.....	11.1	1959-63	-	A2	Feb. 12, 1962	2.30	116	10.5	11
1395	Ogden River near Ogden, Utah.....	321	1904-12,1932-37	-	-	Apr. 24, 1936	-	3,700	-	-
1400	Ogden River below Pine View Dam, near Ogden, Utah.	321	1938-59	-	-	May 3, 1952	7.76	3,190	-	-
				Tributaries between Weber and Jordan Rivers						
1425	Ricks Creek above diversions, near Centerville, Utah.	2.35	1950-63	-	A2	May 22, 1958	1.32	34	14.5	9
1430	Parrish Creek above diversions, near Centerville, Utah.	2.08	1950-63	-	A2	May 5, 1952	-	30	14.4	8
1435	Centerville Creek above diversions, near Centerville, Utah.	3.15	1950-63	-	A2	May 6, 1952	-	b 30	9.5	5
1450	Mill Creek at Mueller Park, near Bountiful, Utah.	8.79	1950-63	-	A2	Apr. 28, 1952	-	b 140	15.9	26
				Jordan River basin						
1470	Summit Creek near Santaquin, Utah.....	14.6	1910-16,1955-63	64	B3	June 3, 1957	-	215	14.7	18
1480	Payson Creek near Payson, Utah.....	28	1911-16	100	B3	May 10, 1914	4.02	200	7.1	2
1483	Dairy Fork near Thistle, Utah.....	11	1959-63	52	B3	July 14, 1959	13.88	805	73.2	c 2.3
1495	Diamond Fork below Red Hollow, near Thistle, Utah.	110	1954-63	-	-	July 13, 1954	4.71	1,020	-	-

See footnotes at end of table.

Table 3.--Peak discharges at gaging stations not used to define regional flood-frequency relations--Continued

No.	Gaging station	Drainage area (sq mi)	Period of known floods (water years)	Areal $Q_{2.33}$ (cfs)	Flood region and hydrologic area	Maximum flood				
						Date	Gage height (feet)	Discharge		
								Cfs	Cfs per sq mi	Recurrence interval (years)
	Jordan River basin--Continued									
1500	Diamond Fork near Thistle, Utah.....	146	1908-17,1940-49, 1951-55	-	-	Aug. 8, 1949	3.36	776	-	-
1505	Spanish Fork at Castilla, Utah.....	670	1890,1903-17, 1919-25,1933-63	-	-	May 21, 1907	6.0	1,970	-	-
1515	Spanish Fork near Spanish Fork, Utah.....	670	1909-17	-	-	May 11, 1909	5.6	1,550	-	-
1520	Spanish Fork near Lake Shore, Utah.....	2,700	1904-7,1909-25, 1938-63	-	-	Apr. 28, 1952	-	3,020	-	-
1555	Provo River near Charleston, Utah.....	380	1938-50	-	-	June 2, 1950	4.27	1,740	4.6	-
1560	Snake Creek near Charleston, Utah.....	38.6	1939-50	-	A2	June 4, 1943	3.06	126	3.3	1.5
1585	Round Valley Creek near Wallsburg, Utah....	71.9	1939-50	-	A2	Mar. 16, 1939	2.55	201	2.8	2
1615	South Fork Provo River at Vivian Park, Utah.	30	1912-63	-	A2	Feb. 1, 1963	-	d 500	16.7	c 1.5
1620	Provo River above Telluride Power Co.'s dam, near Provo, Utah.	640	1905-11	-	A2	June 7, 1909	8.5	3,620	5.7	2
1645	American Fork above upper powerplant, near American Fork, Utah.	51.1	1927-63	-	A2	July 30, 1953	9.2	-	-	-
1670	Jordan River at narrows, near Lehi, Utah...	3,000	1914-63	-	-	June 10, 1952	-	b 1,410	-	-
1675	Little Cottonwood Creek near Salt Lake City, Utah.	27.4	1912-13,1915-63	-	A2	June 11, 1921	-	b 762	27.8	c 1.7
1685	Big Cottonwood Creek near Salt Lake City, Utah.	50	1901-2,1905, 1907-63	-	A2	June 6, 1909	-	b 835	16.7	22
1700	Mill Creek near Salt Lake City, Utah.....	21.7	1899-1919, 1921-22,1924-63	-	A2	May 20, 1949	-	b 152	7.0	4
1705	Surplus Canal at Salt Lake City, Utah.....	-	1943-63	-	-	May 7, 1952	8.84	-	-	-
						June 7, 1952	-	1,700	-	-
1710	Jordan River at Salt Lake City, Utah.....	3,420	1943-63	-	-	June 3, 1944	-	384	-	-
						June 26, 1952	5.75	-	-	-
1715	Parleys Creek near Salt Lake City, Utah....	50.1	1899-1963	-	-	Apr. 26, 1952	-	b 365	-	-
1720	Emigration Creek near Salt Lake City, Utah.	18	1902-3,1905-6, 1908,1911, 1913-63	-	A2	Apr. 26, 1952	-	b 156	8.7	5
1725	City Creek near Salt Lake City, Utah.....	19.2	1899-1908, 1911-63	-	A2	May 30, 1921	-	b 163	8.5	13
	Rush Valley									
1727	Vernon Creek near Vernon, Utah.....	25	1958-63	-	B8	Apr. 14, 1962	1.82	78	3.1	7
	Great Salt Lake Desert									
1728.7	Trout Creek near Callao, Utah.....	8.8	1959-63	-	B8	June 20, 1963	2.01	56	6.4	15
1728.95	Deep Creek near Ibapah, Utah.....	460	1959-63	-	B8	Aug. 25, 1961	17.14	1,250	2.7	25
1729	Bar Creek near Ibapah, Utah.....	12	1959-63	-	B8	Aug. 25, 1961	15.55	2,690	224	c 17

Tributaries between Great Salt Lake Desert and Bear River

1729.4	Dove Creek near Park Valley, Utah.....	35	1959-63	-	B8	Feb. 10, 1962	4.65	275	7.9	39
1729.6	West Fork Tenmile Creek near Park Valley, Utah.	5.93	1959-63	-	B8	Aug. 31, 1963	12.07	460	77.6	c 4.9
1729.9	Blue Spring Creek near Snowville, Utah.....	180	1959-63	-	B8	Feb. 12, 1962	17.47	1,820	10.1	c 1.7
	Sevier Lake basin									
1735	Mammoth Creek near Hatch, Utah.....	151	1914,1916-19	330	B3	June 10, 1917	4.32	795	5.3	10
1736	Midway Creek near Hatch, Utah.....	25.7	1958-62	95	B3	May 7, 1962	2.34	114	4.4	3
1739	Duck Creek near Hatch, Utah.....	38.3	1954-59	-	-	June 6, 1958	3.61	226	5.9	-
1740	Asay Creek above West Fork, near Hatch, Utah.	105	1954-59	-	-	May 11, 1958	3.63	419	4.0	-
1748	Red Canyon tributary near Bryce Canyon, Utah.	2.2	1959-63	-	B3	Aug. 4, 1961	11.21	108	49.1	-
1770	Panguitch Creek above canals, near Panguitch, Utah.	110	1916-20	-	B3	June 17, 1917	3.75	300	2.7	-
1800	Sevier River near Circleville, Utah.....	950	1912,1915-26, 1950-63	-	B3	May 21, 1922	9.8	1,960	2.1	-
1850	Antimony Creek near Antimony, Utah.....	26	1947-48,1958-59	95	B3	Aug. 3, 1959	4.52	669	25.7	c 1.1
1875	Otter Creek above reservoir, near Antimony, Utah.	330	1915-19,1962-63	-	B3	Mar. 20, 1919	3.78	103	.31	-
1890	East Fork Sevier River near Kingston, Utah.	1,260	1913-63	-	B3	May 12, 1941	5.05	2,030	1.6	-
1942	Clear Creek above diversions, near Sevier, Utah.	164	1958-63	350	B3	May 24, 1958	3.36	301	1.8	1.8
2080	Sevier River near Gunnison, Utah.....	3,990	1901-17	-	MS	May 28, 1906	6.34	2,240	.56	c 1.1
2100	Pleasant Creek near Mount Pleasant, Utah...	16	1946,1955-63	69	B3	July 24, 1946	-	2,060	129	c 4.5
2110	Twin Creek near Mount Pleasant, Utah.....	5.9	1955-63	34	B3	June 26, 1957	1.81	117	19.8	19
2163	Sixmile Creek near Sterling, Utah.....	29	1959-63	103	B3	July 31, 1959	12.48	820	28.3	c 1.2
2165	San Pitch River near Gunnison, Utah.....	886	1901-5,1912-17, 1952,1958	-	-	June 5, 1952	3.85	1,330	1.5	-
2235	Sevier River at Leamington, Utah.....	5,860	1890-93,1912-14	-	MS	May 30, 1890	-	2,330	.40	c 1.3
	Beaver River basin									
2340	Three Creeks near Beaver, Utah.....	19.5	1947-61	79	B3	Aug. 9, 1947	4.35	290	14.9	21
2345	Beaver River near Beaver, Utah.....	82	1914-63	215	B3	July 22, 1936	7.27	1,080	13.2	33
2370	Beaver River at Adamsville, Utah.....	272	1914-63	-	-	July 23, 1941	4.68	1,090	4.0	-
2390	Beaver River at Rockyford Dam, near Minersville, Utah.	512	1914-63	-	-	June 10, 1921	3.53	727	1.4	-
2400	Beaver River at Minersville, Utah.....	560	1909-13,1951-55	-	-	Jan. 2, 1910	-	1,000	1.8	-
2406	Big Wash near Milford, Utah.....	51	1959-63	155	B3	Sept.18, 1963	12.80	520	10.2	18
	Parowan Valley									
2413	Fremont Wash near Paragonah, Utah.....	120	1959-63	285	B3	Aug. 7, 1963	12.01	205	1.7	1.4
	Cedar City Valley									
2418	Ashdown Creek near Cedar City, Utah.....	13.1	1957-61	59	B3	Aug. 3, 1959	4.95	1,000	76.3	c 2.6
2419	Coal Creek above Right Hand Creek, near Cedar City, Utah.	54.2	1959-63	162	B3	Aug. 3, 1961	14.15	1,470	27.1	c 1.4

See footnotes at end of table.

Table 3.--Peak discharges at gaging stations not used to define regional flood-frequency relations--Continued

No.	Gaging station	Drainage area (sq mi)	Period of known floods (water years)	Areal $Q_{2.33}$ (cfs)	Flood region and hydrologic area	Maximum flood				
						Date	Gage height (feet)	Discharge		
								Cfs	Cfs per sq mi	Recurrence interval (years)
	Cedar City Valley--Continued									
2421	Shurtz Creek near Cedar City, Utah.....	12.8	1959-63	59	B3	Sept. 8, 1961	15.20	416	32.5	c 1.1
2422	Duncan Creek near Cedar City, Utah.....	11.9	1959-63	55	B3	Aug. 19, 1963	16.5	d 3,880	326	c 10.6
	Death Valley									
2510	Big Dip Creek near Stovepipe Wells, Calif..	0.95	1959-63	-	C4	Aug. 22, 1961	13.58	46	48.4	-
2512	Spring Creek at Furnace Creek Inn, Calif...	.21	1959-63	-	C4	Sept.18, 1963	13.93	14	66.7	-
2514	Ibex Creek near Tecopa, Calif.....	.20	1959-63	-	C4	Sept.26, 1962	12.20	45	225	-
2515	Yucca Creek near Yucca Grove, Calif.....	.034	1959-63	-	C4	Sept.18, 1963	1.80	7.1	209	-
2516	Salsberry Creek near Shoshone, Calif.....	.008	1959-63	-	C4	Sept. 2, 1960	10.82	2.2	275	-
	Bristol Lake basin									
2527	Creosote Creek near Cadiz, Calif.....	0.023	1959-63	-	C4	Mar. 2, 1960	11.10	12	522	-
2530	Gourd Creek near Ludlow, Calif.....	.30	1959-63	-	C4	Sept.12, 1961	16.19	106	353	-
	Salton Sea basin									
2557	San Felipe Creek near Julian, Calif.....	89.3	1959-63	570	C4	Sept.13, 1961	1.85	16	0.18	1
	Mojave River basin									
2625	Mojave River at Barstow, Calif.....	-	1931-63	-	C4	Mar. 3, 1938	8.60	64,300	-	-
2631	Zzyzx Creek near Baker, Calif.....	0.23	1959-63	-	C4	Aug. 16, 1962	10.48	2.3	10	-
	Antelope Valley									
2645.2	Amargosa Creek tributary near Palmdale, Calif.	0.048	1959-63	-	C4	Dec. 2, 1961	11.11	6.6	138	-
2645.3	Pine Creek near Palmdale, Calif.....	.25	1959-63	-	C4	Feb. 10, 1962	14.88	58	232	-
2645.6	Spencer Canyon Creek near Fairmont, Calif..	3.51	1959-63	44	C4	Feb. 11, 1962	11.90	215	61.3	10
2646	Oak Creek near Mojave, Calif.....	15.8	1958-63	145	C4	Feb. 11, 1962	1.55	29	1.8	1
2646.05	Joshua Creek near Mojave, Calif.....	3.86	1959-63	47	C4	Aug. 8, 1963	10.72	4.0	1.0	1
	Koehn Lake basin									
2647	Peewee Creek near Randsburg, Calif.....	0.14	1959-63	-	C4	Sept.19, 1963	10.65	0.8	5.7	-
	Indian Wells Valley									
2649	Salt Wells Creek near Westend, Calif.....	61.6	1959-63	430	C4	Aug. 8, 1963	12.48	167	2.7	1.5
2649.15	Crust Creek near Westend, Calif.....	.13	1959-63	-	C4	Aug. 22, 1961, Aug. 8, 1963	9.94	.3	2.3	-
	Owens Lake basin									
2652	Convict Creek near Mammoth Lakes, Calif....	18.7	1926-63	102	A5	June 29, 1932	4.43	290	15.5	32
2655	Owens River near Round Valley, Calif.....	450	1904-23,1928-40	1,320	A5	Dec. 11, 1937	4.87	1,560	3.5	3

2657	Rock Creek at Little Round Valley, near Bishop, Calif.	35.8	1927-63	175	A5	July 26, 1952	2.93	270	7.5	5
2660	Rock Creek at Sherwin Hill, near Bishop, Calif.	51.7	1923-40	235	A5	June 27, 1938	4.12	229	4.4	2
2665	Rock Creek near Round Valley, Calif.	96	1904-23,1930-40	380	A5	Jan. 25, 1914	5.0	b 360	3.8	2
2675	Pine Creek near Round Valley, Calif.	37.0	1904-5,1907-23, 1931-40	180	A5	June 27, 1938	4.00	442	11.9	19
2680	Owens River at Pleasant Valley, near Bishop, Calif.	596	1919-40	1,650	A5	Dec. 11, 1937	8.12	1,780	3.0	3
2687	Silver Canyon Creek near Laws, Calif.	22.4	1930-63	120	A5	Oct. 19, 1958	-	8.4	.4	-
2720	Bishop Creek near Bishop, Calif.	105	1904-10	410	A5	July 6, 1906	5.6	822	7.8	10
2775	Owens River near Big Pine, Calif.	1,930	1906-63	-	A5	Jan. 26, 1914	11.2	d 3,220	1.7	-
2780	Taboose Creek near Aberdeen, Calif.	13.9	1906-10	82	A5	July 14, 1906	-	56	4.0	1.5
2785	Goodale Creek near Aberdeen, Calif.	11.2	1906-10	68	A5	July 7,14,1906, July 2, 1909	-	27	2.4	1.2
2815	Oak Creek near Independence, Calif.	26.9	1906-10	140	A5	July 3,4, 1909	1.7	234	8.7	6
2818	Independence Creek below Pinyon Creek, near Independence, Calif.	18.2	1923-63	100	A5	June 21, 1963	3.98	138	7.6	4
2820	Independence Creek near Independence, Calif.	21.4	1905-10	115	A5	July 9, 1906	-	144	6.7	3
2845	Owens River near Lone Pine, Calif.	-	1909-18	-	A5	July 7, 1909	10.6	2,050	-	-
2850	Lone Pine Creek near Lone Pine, Calif.	33.4	1906-10	165	A5	July 25, 1906	-	139	4.2	1.9
2855	Tuttle Creek near Lone Pine, Calif.	14.0	1906-10	82	A5	May 21, 1907	1.10	85	6.1	2
2857	Owens River at Keeler Bridge, near Lone Pine, Calif.	-	1927-63	-	A5	July 9, 1938	7.06	b 1,200	-	-
				Mono Lake basin						
2874	Rush Creek above Grant Lake, near June Lake, Calif.	51.2	1937-63	235	D5	June 28, 1938	-	b 711	13.9	25
2879	Lee Vining Creek near Lee Vining, Calif.	35.2	1935-63	172	D5	June 9, 1938	3.07	503	14.3	22
				Walker Lake basin						
2895	Green Creek near Bridgeport, Calif.	19.4	1954-63	107	D5	Dec. 23, 1955	-	307	15.8	21
						Feb. 25, 1962	a 4.09	-	-	-
2905	Robinson Creek at Twin Lakes utlet, near Bridgeport, Calif.	34.7	1911-63 1954-63	170	D5	June 21, 1911 June 20, 1963	5.2 4.49	660 492	19.0 14.2	48 23
2945	East Walker River near Yerington, Nev.	1,180	1903-8	-	MS	Mar. 19, 1907	6.0	1,700	1.4	c .9
2950	East Walker River near Mason, Nev.	1,230	1911-16	-	MS	June 20, 1911	9.50	1,590	1.3	c .8
2952	West Walker River at Leavitt Meadows, near Coleville, Calif.	73	1946-63	310	D5	Nov. 21, 1950	-	2,810	38.5	c 2.3
2985	West Walker River near Wellington, Nev.	521	1918-23	-	MS	June 6, 1922	5.32	2,110	4.0	c .8
3010	Walker River at Mason, Nev.	-	1911-12,1914-16, 1921-22	-	MS	June 20, 1911	9.70	4,710	-	-
				Carson River basin						
3095	West Fork Carson River above Woodfords, Calif.	53	1947-51	1,070	D6	Apr. 24, 1959	5.39	793	15.0	1.6
3115	Carson River near Empire, Nev.	988	1901-22	-	MS	Jan. 23, 1914	8.0	5,160	5.2	c .2

See footnotes at end of table.

Table 3.--Peak discharges at gaging stations not used to define regional flood-frequency relations--Continued

No.	Gaging station	Drainage area (sq mi)	Period of known floods (water years)	Areal $Q_{2.33}$ (cfs)	Flood region and hydrologic area	Maximum flood				
						Date	Gage height (feet)	Discharge		
								Cfs	Cfs per sq mi	Recurrence interval (years)
	Humboldt River basin									
3130	Starr Creek near Deeth, Nev.	-	1913-24	-	A7	June 9, 1921	4.65	391	-	-
3150	Marys River near Deeth, Nev.	355	1912-28	-	A7	May 8, 1922	7.78	616	1.7	1.4
3160	Secret Creek near Halleck, Nev.	35	1917-24	-	A7	Apr. 23, 1921	3.65	375	10.7	3
3170	Lamoille Creek near Halleck, Nev.	245	1913-19	-	A7	June 5, 1914	6.7	556	2.3	1.2
3180	North Fork Humboldt River near Halleck, Nev.	1,020	1898-99,1905-9, 1912-13	-	A7	Apr. 16, 17, 1899	6.80	1,580	1.5	-
3200	South Fork Humboldt River above Dixie Creek, near Elko, Nev.	1,150	1949-63	570	A8	Feb. 11, 1962	7.2	2,760	2.4	c 1.5
3220	Maggie Creek at Carlin, Nev.	-	1914-24	-	B8	May 7, 1922	4.3	800	-	-
3290	Little Humboldt River near Paradise Valley, Nev.	1,030	1922-23,1925-27, 1944-63	530	B8	Feb. 2, 1952	7.71	1,100	1.1	8
3300	Cottonwood Creek near Paradise Valley, Nev.	-	1926-34	-	B7	Mar. 19, 1932	5.80	183	-	-
3350	Humboldt River near Rye Patch, Nev.	16,100	1896-98, 1900-1909, 1911-22,1927-28, 1930-31,1936-41, 1944-63	-	-	May 11, 1952	10.26	4,720	.29	-
3360	Humboldt River near Lovelock, Nev.	16,600	1912-22,1925-27, 1950-59	-	-	May 19, 1952	9.36	3,540	.21	-
	Pyramid and Winnemucca Lakes basin									
3385	Donner Creek at Donner Lake, near Truckee, Calif.	14.5	1910,1931-52, 1956-57,1958-63	-	-	Nov. 21, 1950	-	c d 700	48.3	-
						Mar. 6, 1962	4.15	-	-	-
3390	Donner Creek near Truckee, Calif.	30	1903-15,1928-43	-	-	Dec. 11, 1937	6.2	1,800	60.0	-
3394	Martis Creek near Truckee, Calif.	40.8	1959-63	860	D6	Feb. 1, 1963	6.16	1,790	43.9	9
3397	Prosser Creek at Hobart Mills, Calif.	27.4	1959-63	630	D6	Feb. 1, 1963	7.9	4,920	180	c 2
3399	Alder Creek near Truckee, Calif.	7.36	1959-63	220	D6	Jan. 31, 1963	5.86	730	99.2	28
3400	Prosser Creek near Truckee, Calif.	48	1904,1908-12	980	D6	Jan. 16, 1909	5.8	1,360	28.3	4
3430	Independence Creek near Truckee, Calif.	8.4	1903-7,1910	240	D6	June 23, 1907	3.9	286	34.0	3
3444	Little Truckee River above Boca Reservoir, near Boca, Calif.	146	1904-10,1940-63	2,400	D6	Feb. 1, 1963	9.00	13,300	91.1	c 1.7
3445	Little Truckee River at Boca, Calif.	172	1890,1911-15, 1940-63	2,750	D6	Dec. 24, 1955	-	8,800	51.2	28
3473	Dog Creek near Verdi, Nev.	16.2	1957-61	420	D6	Feb. 24, 1958	2.75	550	34.0	3
3500	Truckee River at Vista, Nev.	1,429	1900-1907, 1933-54,1956, 1959-63	-	MS	Feb. 1, 1963	16.76	21,300	14.9	c 1.1
3505	Truckee River at Clarks, Nev.	1,740	1907-15	-	MS	Jan. 17, 1909	e 14.00	9,080	5.2	c .4
3516	Truckee River below Derby Dam, near Wadsworth, Nev.	1,670	1909-10,1916, 1918-63	-	MS	Feb. 1, 1963	14.26	18,400	11.0	c 1.0
3517	Truckee River near Nixon, Nev.	1,869	1956,1958-63	-	MS	Feb. 2, 1963	14.39	14,400	7.7	c .7

			Honey Lake basin							
3565	Susan River at Susanville, Calif.....	192	1901,1903-5, 1917-21,1951-63	1,080	D4	Jan. 31, 1963	6.78	3,900	20.3	39
3585	Willow Creek near Susanville, Calif.....	92.5	1951-63	600	D4	Feb. 1, 1963	5.59	816	8.8	4
			Warner Lakes basin							
3745	Deep Creek at Adel, Oreg.....	274	1910-16,1918-19, 1921-22	1,430	A4	Mar. 2 1910	9.0	4,950	18.1	c 1.1
			Abert Lake basin							
3841	Chewaucan River at Paisley, Oreg.....	278	1905-7, 1909-11,1913	1,420	A4	Nov. 23, 1909	9.4	4,000	14.4	33
3860	Chewaucan River at narrows, near Paisley, Oreg.	380	1914-21	1,880	A4	May 21, 1921	4.65	832	2.2	1.2
3865	Chewaucan River at Hotchkiss Ford, near Paisley, Oreg.	430	1914-21	2,050	A4	Apr. 26, 1917	4.55	506	1.2	1.1
			Summer Lake basin							
3880	Ana River near Summer Lake, Oreg.....	-	1931-34,1936-39, 1952-63	-	A4	Sept.15, 1936	3.87	186	-	-
			Silver Lake basin							
3890	West Fork Silver Creek near Silver Lake, Oreg.	27	1919-23,1925-28, 1932	-	A7	Apr. 11, 1921	2.24	138	5.1	9
3900	Silver Creek near Silver Lake, Oreg.....	180	1905-7,1909-23, 1925-63	-	A7	Mar. 20, 1907	10.08	1,800	10.0	c 2.1
3910	Buck Creek near Silver Lake, Oreg.....	290	1905-7,1909-23	-	A7	Feb. 28, 1910	9.0	330	1.1	1.5
			Malheur River and Harney Lakes basin							
3925	Silvies River near Silvies, Oreg.....	510	1903-4,1909-12, 1916,1921-23	-	A7	Apr. 16, 1904	12.15	2,320	4.5	18
3965	Mud Creek near Diamond, Oreg.....	30	1911-16,1930	-	A7	May 3, 1915	5.65	154	5.1	3
3985	Donner und Blitzen River near Narrows, Oreg.	420	1915-20	-	A7	March 1917	7.5	780	1.9	2
3990	Kiger Creek near Diamond, Oreg.....	75	1909-13,1916-21, 1930,1941	-	A7	May 19, 1912	4.7	330	4.4	5
4000	McCoy Creek near Diamond, Oreg.....	45	1909-14, 1916-21,1941	-	A7	May 12, 1941	2.78	385	8.6	10
4010	Riddle Creek near Diamond, Oreg.....	120	1917-21	-	A7	Mar. 27, 1917	4.5	330	2.8	7
4015	Donner und Blitzen River near Voltage, Oreg.	760	1938-46	-	A7	Jan. 30, 1942	6.26	616	-	-
4035	Silver Creek above Suntex, Oreg.....	260	1904-6,1909, 1911-23,1925	-	A7	Apr. 14, 1904	13.95	1,760	6.8	c 1.2
4060	Silver Creek near Narrows, Oreg.....	630	1917,1919-23	-	A7	Apr. 29, 1922	5.3	563	.9	1.5
			Catlow Valley basin							
4063	Home Creek near Beckley, Oreg.....	38	1911-12, 1915-17,1930	-	A7	Apr. 27, 1912	4.7	330	8.7	15

a Backwater from ice.
b Maximum daily.
c Ratio to 50-year flood.
d Estimated.
e Flood in March 1907 reached a stage about 5 ft higher than that of Jan. 17, 1909.

Table 4.--Peak discharges at miscellaneous sites and unusual floods at short-term gaging stations

Stream and place of determination	Flood region and hydrologic area	Drainage area (sq mi)	Maximum flood			
			Date	Discharge		
				Cfs	Cfs per sq mi	Recurrence interval (years)
Bear River basin						
Yellow Creek at U.S. Highway 30 S near Evanston, Wyo.	A1	123	Feb. 11, 1962	804	6.5	27
Battle Creek tributary No. 2 near Banida, Idaho	A2	8.1	Aug. 12, 1961	1,600	198	(a)
Logan River tributary near Logan, Utah	A2	1	Aug. 5, 1961	b 200	200	(a)
Sleepy Hollow tributary to Beaver Creek near Collinston, Utah	A2	.48	July 30, 1958	1,180	2,460	(a)
Little Danish Canyon near Malad City, Idaho	A2	1.25	Aug. 25, 1961	1,170	936	(a)
Little Malad River near Malad City, Idaho	A2	226	Feb. 11, 1962	1,720	7.6	c 2.4
Devil Creek near Malad City, Idaho	A2	15	Feb. 1, 1963	585	39.0	c 4.2
Malad River near Plymouth, Utah	A2	616	February 1962	3,240	5.3	c 1.7
Tributaries between Bear River and Weber River basins						
Great Salt Lake tributary near Willard, Utah	A2	d 2.5	May 17, 1949	1,000	400	(a)
Weber River basin						
Cottonwood Creek at Hoytsville, Utah	A2	2.4	Aug. 12, 1961	351	146	c 7
Echo Cliff Wash near Echo, Utah	A2	1.2	Aug. 12, 1961	1,080	900	(a)
Weber River tributary near Morgan, Utah	A2	.12	Aug. 16, 1958	450	3,750	(a)
Jordan River basin						
Right Hand Fork Government Canyon near Elberta, Utah (crest-stage gage, 10-1468.00).	B3 e/	2.78	Aug. 2, 1963	b 1,820	655	(a)
Utah Lake tributary near Elberta, Utah (crest-stage gage, 10-1469.00)	B8 e/	5.38	Aug. 5, 1963	101	18.8	c 1.1
Phelps Canyon near Alpine, Utah	A2	.41	Aug. 25, 1961	b 1,500	3,660	(a)
Tickville Gulch near Cedar Valley, Utah (crest-stage gage, 10-1664.00)	B8 e/	15.6	Feb. 10, 1962	236	15.1	c 1.3
Rose Creek near Herriman, Utah	B8 e/	9.88	Aug. 6, 1955	b 1,460	148	c 11
Perrys Hollow above Wasatch Boulevard, at Salt Lake City, Utah	A2	.59	Aug. 19, 1945	b 1,800	3,050	(a)
Great Salt Lake Desert						
Little Valley Wash near Gold Hill, Utah	B8 e/	0.9	Aug. 19, 1959	2,570	2,860	(a)
Tributaries between Great Salt Lake Desert and Bear River						
Deep Creek near Holbrook, Idaho	B8 e/	72	Feb. 11, 1962	1,220	16.9	c 2.5
Rock Creek near Holbrook, Idaho (crest-stage gage, 10-1729.70)	B8 e/	44	Jan. 7, 1962	1,100	25.0	c 3.8
Rock Creek at Holbrook, Idaho	B8 e/	93	Feb. 10, 1962	1,630	17.5	c 2.5
Wood Canyon Creek near Holbrook, Idaho	B8 e/	1.3	Feb. 10, 1962	286	220	(a)
Hereford Canyon near Howell, Utah	B8 e/	22	Sept. 18, 1961	1,020	46.4	c 4.4
Blue Spring Creek near Corinne, Utah	B8 e/	230	Sept. 18, 1961	3,010	13.1	c 2.5
Sevier Lake basin						
Rock Canyon near Hatch, Utah	B3	36	Aug. 2, 1959	5,230	145	c 6.5
Tenmile Creek near Marysville, Utah	B3	9.9	Sept. 6, 1960	937	94.6	c 3.0
Peterson Creek near Sigurd, Utah (crest-stage gage, 10-2043.00)	B3	27	Sept. 5, 1960	2,150	79.6	c 3.3
Mill Canyon near Glenwood, Utah	B3	12	Sept. 5, 1960	3,620	302	c 10

South Coal Fork near Mount Pleasant, Utah	B3	1.2	Sept.25, 1961	3,310	2,760	(a)
Tintic Wash tributary near Nephi, Utah (crest-stage gage, 10-2203.00)	B3 e/	18	Aug. 1, 1961	545	30.3	(a)
Oak Creek near Oak City, Utah (crest-stage gage, 10-2242.00)	B3 e/	13.7	July 31, 1961	379	27.7	46
Wah Wah Valley tributary near Milford, Utah (crest-stage gage, 10-2317.00)	B3 e/	4.9	Sept.15, 1963	1,270	259	(a)
Escalante Valley						
Cottonwood Creek near Enterprise, Utah (crest-stage gage, 10-2424.40)	B3	6.0	Sept.17, 1961	395	65.8	c 1.7
Snake Valley						
Snake Valley tributary near Garrison, Utah (crest-stage gage, 10-2432.40)	B3 e/	4.4	Sept.15, 1963	108	24.5	22
Owens Lake basin						
Cottonwood Creek near Mojave, Calif	C4 e/	175	Aug. 8, 1963	5,150	29.4	10
Gabbs Valley						
Unnamed Gabbs Valley tributary near Luning, Nev	C5 e/	10	August 1961	2,280	228	c 1.8
Carson River basin						
Milberry Creek at Markleeville, Calif. (crest-stage gage, 10-3081.00)	D6 e/	5.10	Jan. 31, 1963	480	94.1	24
Smith Creek Valley						
Campbell Creek tributary near Austin, Nev	B8	1	Aug. 24, 1961	179	179	(a)
Campbell Creek near Austin, Nev	B8	11	Aug. 24, 1961	512	46.5	c 3.5
Humboldt River basin						
Jim Creek near Tuscarora, Nev	A7	25	Feb. 10, 1962	541	21.6	c 1.2
Pie Creek near Tuscarora, Nev	A7	70	Feb. 10, 1962	1,380	19.7	c 1.4
North Fork Humboldt River, 2 miles upstream from mouth, near Halleck, Nev.	A7	960	Feb. 13, 1962	5,220	5.4	19
Susie Creek near Carlin, Nev	B8	194	Feb. 11, 1962	2,470	12.7	c 2.3
Maggie Creek at Carlin, Nev	B8	400	Feb. 12, 1962	2,440	6.1	c 1.3
Pine Creek near Palisade, Nev. (at site of discontinued gage, 10-3230.00)	B8	1,000	Feb. 11, 1962	3,140	3.1	c 1.1
Humboldt River at Dunphy, Nev	(f)	7,470	Feb. 12, 1962	7,620	1.0	c 1.3
Reese River near Battle Mountain, Nev	B8	-	Feb. 12, 1962	4,760	-	(a)
Clear Creek above Clear Creek Ranch, near Winnemucca, Nev	B8 e/	32.4	Aug. 8, 1961	11,400	352	(a)
Mullinex Creek near Paradise Valley, Nev. (crest-stage gage, 10-3303.00)	B8 e/	27.3	Feb. 1, 1963	1,320	48.4	c 4.8
Thomas Creek near Winnemucca, Nev	B8 e/	8.38	July 3, 1961	1,370	163	(a)
Eldorado Canyon near Rye Patch, Nev	B8 e/	3.63	Aug. 21, 1961	1,880	518	(a)
Humboldt Salt Marsh						
Dixie Valley tributary near Eastgage, Nev	B8 e/	11	August 1961	1,480	135	c 10.1
Dixie Valley tributary near Frenchman, Nev	B8 e/	360	August 1961	9,770	27.1	c 6.8
Pyramid and Winnemucca Lake basin						
Truckee River tributary near Truckee, Calif. (crest-stage gage, 10-3379.00)	D6 e/	1.06	Jan. 21, 1963	220	208	c 1.3
Truckee River tributary near Sparks, Nev	B8 e/	3.68	Aug. 23, 1961	484	132	c 7.3
Biddleman Springs Creek at Clark, Nev	B8 e/	53.9	Aug. 24, 1961	6,120	114	c 13.8

See footnotes at end of table.

Table 4.--Peak discharges at miscellaneous sites and unusual floods at short-term gaging stations--Continued

Stream and place of determination	Flood region and hydrologic area	Drainage area (sq mi)	Maximum flood			
			Date	Discharge		
				Cfs	Cfs per sq mi	Recurrence interval (years)
Black Rock Desert basin						
Willow Creek near Orovada, Nev.	A4 e/	6	July 31, 1960	b 550	91.7	(a)
Eagle Creek at mouth of canyon, near Orovada, Nev.	A4 e/	1.75	July 31, 1960	b 504	288	(a)
Spring Canyon Creek near Orovada, Nev.	A4 e/	1.25	July 31, 1960	b 660	528	(a)
Rebel Creek about 2 miles upstream from mouth of canyon near Orovada, Nev.	A4 e/	.25	July 31, 1960	b 825	3,300	(a)
Rebel Creek at mouth of canyon, near Orovada, Nev.	A4 e/	.75	July 31, 1960	b 1,500	2,000	(a)
Wood Canyon Creek at mouth of canyon, near Orovada, Nev.	A4 e/	1.0	July 31, 1960	b 1,450	1,450	(a)
South Willow Creek near Gerlach, Nev. (crest-stage gage, 10-3537.70)	A4 e/	31	(g)	d 3,100	100	c 4.0
			Jan. 31, 1963	1,730	55.8	c 2.2
Guana Valley basin						
Badger Creek tributary near Vya, Nev. (crest-stage gage, 10-3617.00)	A4 e/	9.4	June 22, 1963	230	24.5	18

a Undefined, believed to be in excess of a 50-year flood.
b Estimated on basis of a field survey.
c Ratio to 50-year flood.
d About.
e Undefined, but noted flood region and hydrologic areas are believed to be most applicable.
f Main stem.
g Unknown.

115. Bear River near Utah-Wyoming State line

Location.--Lat 40°58', long 110°51', in SE¼ sec.30, T.3 N., R.10 E., or left bank just downstream from West Fork, 2.8 miles upstream from Utah-Wyoming State line.

Drainage area.--176 sq mi. Mean altitude, 9,770 ft.

Gage.--Recording. Altitude of gage is 7,965 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 2,100 cfs. High water causes some shifting.

Remarks.--Base for partial-duration series, 1,100 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	May 28, 1943	3.12	1,120	1952	May 4, 1952	3.60	1,590
	June 1, 1943	3.13	1,140		June 7, 1952	4.35	2,340
1944	May 14, 1944	3.40	1,540	1953	June 14, 1953	4.89	2,750
	May 30, 1944	3.15	1,270				
	June 26, 1944	3.60	1,760	1954	May 22, 1954	3.26	1,220
1945	June 22, 1945	3.73	1,170	1955	May 22, 1955	3.28	1,280
					June 9, 1955	3.46	1,430
1946	June 5, 1946	3.56	1,540				
	June 10, 1946	3.25	1,160	1956	June 1, 1956	3.91	1,940
1947	May 4, 1947	3.40	1,450	1957	June 6, 1957	4.27	2,800
	May 7, 1947	3.60	1,780		June 28, 1957	3.75	2,100
	May 27, 1947	3.04	1,240				
	June 9, 1947	3.24	1,470	1958	May 28, 1958	3.54	1,920
	June 20, 1947	3.26	1,490		June 8, 1958	3.50	1,750
1948	May 19, 1948	4.23	2,200	1959	June 16, 1959	3.53	1,830
	May 28, 1948	3.72	1,820				
	June 2, 1948	3.73	1,840	1960	June 3, 1960	3.28	1,490
1949	June 13, 1949	3.59	1,720	1961	Dec. 9, 1960	a2.90	-
	June 20, 1949	3.56	1,690		May 26, 1961	2.78	1,130
1950	May 24, 1950	3.76	1,560	1962	May 9, 1962	3.01	1,430
	May 30, 1950	4.18	1,960		June 14, 1962	3.75	1,590
	June 7, 1950	4.09	1,870		June 21, 1962	b4.20	1,920
1951	May 27, 1951	4.08	1,970	1963	June 14, 1963	2.94	1,180
	June 17, 1951	3.65	1,540				

a Backwater from ice.
b Occurred on preceding day.

120. Mill Creek at Utah-Wyoming State line
(Published as "near Evanston" prior to 1949)

Location.--Lat 40°59'30", long 110°50'30", in W½ sec.17, T.3 N., R.10 E., in Utah on right bank 2,000 ft upstream from State line and 19½ miles south of Evanston, Wyo.

Drainage area.--60 sq mi, approximately. Mean altitude, 9,320 ft.

Gage.--Recording. Prior to 1949, at site 2.2 miles downstream at different datum. Altitude of gage is 7,860 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 700 cfs.

Remarks.--Flood records equivalent to those for station near Evanston. Base for partial-duration series, 250 cfs.

Peak stages and discharges of Mill Creek at Utah-Wyoming State line

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	June 1, 1943	2.35	212	1952	May 14, 1952	3.39	406
					June 6, 1952	3.70	483
1944	May 16, 1944	2.61	286				
	May 23, 1944	2.50	270	1953	May 28, 1953	2.77	284
	June 1, 1944	2.43	262		June 13, 1953	3.95	566
	June 9, 1944	2.34	246				
				1954	May 9, 1954	2.54	227
1945	June 4, 1945	2.15	205				
				1955	May 13, 1955	2.87	286
1946	Apr. 18, 1946	3.20	292				
	Apr. 24, 1946	3.18	296	1956	May 22, 1956	4.33	646
	May 6, 1946	3.04	275				
				1957	May 6, 1957	2.63	257
1947	May 3, 1947	3.35	430		June 7, 1957	4.39	690
	May 7, 1947	3.27	422				
	May 21, 1947	2.81	281	1958	May 11, 1958	2.60	251
	June 13, 1947	2.93	323		May 21, 1958	3.51	450
	June 21, 1947	2.78	285				
				1959	June 7, 1959	3.13	363
1948	May 19, 1948	3.64	623		June 30, 1959	2.63	260
1950	May 30, 1950	3.87	514	1960	May 12, 1960	3.22	377
1951	May 27, 1951	3.76	483	1961	May 11, 1961	2.42	217
1952	May 3, 1952	4.27	626	1962	May 8, 1962	3.31	386

140. Bear River above Sulphur Creek, near Evanston, Wyo.

Location.--Lat 41°08', long 110°53', in NW¼NE¼ sec.6, T.13 N., R.119 W., on right bank 2 miles upstream from Myers Bridge, 5¾ miles upstream from Sulphur Creek, and 9½ miles southeast of Evanston.

Drainage area.--282 sq mi.

Gage.--Recording. Prior to Oct. 1, 1953, at site 1,200 ft downstream at different datum. Altitude of gage is 7,130 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Diversions for irrigation of about 19,000 acres upstream from station. Base for partial-duration series, 1,100 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1947	May 8, 1947	4.61	1,860	1952	May 5, 1952	5.02	1,980
					May 15, 1952	4.52	1,600
1948	May 20, 1948	5.01	2,120		June 7, 1952	5.12	2,220
1949	May 15, 1949	3.89	1,180	1953	June 14, 1953	5.73	2,970
	June 20, 1949	4.32	1,580				
				1954	May 22, 1954	4.43	1,330
1950	June 2, 1950	5.30	1,990				
	June 7, 1950	5.19	1,900	1955	May 23, 1955	4.14	1,120
					June 9, 1955	4.37	1,280
1951	May 29, 1951	5.22	2,030				
	June 17, 1951	4.39	1,400	1956	May 23, 1956	5.34	2,120

157. Sulphur Creek above reservoir, near Evanston, Wyo.

Location.--Lat 41°09', long 110°48', in SW¼ sec.35, T.14 N., R.119 W., on right bank 1¼ miles downstream from Willow Creek, 2 miles upstream from Sulphur Creek Dam, and 11½ miles southeast of Evanston.

Drainage area.--64 sq mi, approximately.

Gage.--Recording. Altitude of gage is 7,170 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 200 cfs and extended above by logarithmic plotting.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1958	Apr. 18, 1958	5.07	560	1961	Apr. 3, 1961	4.07	274
1959	Apr. 5, 1959	4.67	436	1962	Apr. 13, 1962	4.51	397
1960	Mar. 26, 1960	4.88	499	1963	Apr. 29, 1963	3.81	211

160. Sulphur Creek near Evanston, Wyo.

Location.--Lat 41°10', long 110°52', in SE¼ sec.29, T.14 N., R.119 W., on left bank 4.8 miles upstream from mouth and 9 miles southeast of Evanston.

Drainage area.--80.5 sq mi. Mean altitude, 7,930 ft.

Gage.--Recording. Prior to June 16, 1948, at datum 2.00 ft higher. June 16, 1948, to Aug. 21, 1952, at datum 1.00 ft higher. Altitude of gage is 7,070 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 1,200 cfs. Extremely high water causes some shifting.

Remarks.--Natural flow affected by Sulphur Creek Reservoir (capacity, 4,600 acre-ft) completed December 1957. Base for partial-duration series, 300 cfs. Only annual peaks are shown prior to 1947.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	Apr. 3, 1943	3.42	618	1952	Apr. 23, 1952	4.93	1,220
1944	Apr. 29, 1944	3.03	404		May 23, 1952	3.01	371
1945	Apr. 20, 1945	3.50	740				
1946	Mar. 31, 1946	2.60	338	1953	May 20, 1953	3.44	196
1947	Mar. 18, 1947	2.72	514	1954	Apr. 5, 1954	3.67	253
	June 9, 1947	2.94	449				
	June 11, 1947	2.88	421	1955	Apr. 16, 1955	4.23	467
	June 21, 1947	2.80	395				
	Aug. 10, 1947	2.80	399	1956	Mar. 26, 1956	4.68	678
1948	Apr. 17, 1948	3.62	808	1957	Apr. 15, 1957	4.42	494
	Apr. 21, 1948	4.01	1,070		Apr. 24, 1957	3.98	340
					June 16, 1957	4.53	539
1949	Apr. 11, 1949	-	a500		July 11, 1957	3.85	302
1950	Apr. 17, 1950	4.41	748	1958	Apr. 17, 1958	3.42	199
	May 25, 1950	3.42	364				
				1959	June 29, 1959	4.71	617
1951	Apr. 6, 1951	3.86	534				

a Maximum daily.

170. Yellow Creek near Evanston, Wyo.

Location.--Lat 41°09', long 111°03', in SW¼ sec.21, T.5 N., R.8 E., in Utah, on left bank 600 ft downstream from Sage Creek, 1½ miles upstream from Coyote Creek, and 9¾ miles southwest of Evanston.

Drainage area.--80 sq mi, approximately.

Gage.--Recording. At site 500 ft upstream, at different datums Oct. 1, 1944, to Sept. 30, 1945. Altitude of gage is 6,920 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements.

Bankfull stage.--5.5 ft.

Remarks.--Flow regulated by Barker Reservoir (capacity, 162 acre-ft) completed in fall of 1959. Base for partial-duration series, 100 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	Apr. 16, 1943	3.92	77	1954	Apr. 14, 1954	1.35	26
1944	Apr. 5, 1944	6.00	192	1955	May 11, 1955	2.46	58
	Apr. 9, 1944	5.60	172	1956	May 7, 1956	3.22	68
	May 2, 1944	4.60	122	1957	May 20, 1957	5.28	147
1945	Mar. 22, 1945	4.72	109		May 29, 1957	4.50	114
	Mar. 31, 1945	6.00	145	1958	May 21, 1958	2.58	53
	Apr. 20, 1945	7.52	303	1959	Apr. 5, 1959	4.60	110
1950	Apr. 23, 1950	6.49	240	1960	Mar. 23, 1960	6.47	305
	May 18, 1950	6.16	234	1961	Mar. 24, 1961	2.94	68
1951	Apr. 8, 1951	5.16	126	1962	Mar. 29, 1962	6.36	294
1952	Apr. 28, 1952	7.04	477	1963	Feb. 2, 1963	3.70	80
	May 17, 1952	5.58	178				
	May 23, 1952	5.48	169				
1953	May 20, 1953	2.84	58				

190. Bear River near Evanston, Wyo.

Location.--Lat 41°19', long 111°01', in sec.1, T.15 N., R.121 W., on left bank 300 ft upstream from road bridge and 3½ miles northwest of Evanston.

Drainage area.--715 sq mi. Mean altitude, 8,130 ft.

Gage.--Nonrecording prior to Sept. 28, 1926; recording thereafter. Altitude of gage is 6,610 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 2,700 cfs.

Remarks.--Natural flow of stream affected by diversions for irrigation and return flow from irrigated areas. Peaks are maximum observed prior to 1927. Base for partial-duration series, 1,200 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	May 24, 1914	5.90	2,480	1924	Apr. 14, 1924	5.75	2,800
1915	June 2, 1915	4.20	1,240	1925	May 21,31,1925	4.15	1,170
1916	May 9, 1916	4.90	1,670	1926	May 21, 1926	4.9	1,680
1917	June 17,18,1917	-	2,500	1927	May 18, 1927	5.35	1,910
1918	June 16, 1918	5.5	2,090	1928	May 9, 1928	5.80	2,900
1919	May 29, 1919	4.6	1,430	1929	May 25, 1929	5.64	2,590
1920	May 25, 1920	6.1	2,620	1930	June 12, 1930	4.66	1,420
1921	June 14, 1921	6.35	3,690	1931	May 17, 1931	3.58	815
1922	May 26, 1922	5.65	2,580	1932	May 22, 1932	5.74	2,500
1923	May 27, 1923	6.1	3,460	1933	June 11, 1933	5.19	1,810

Peak stages and discharges of Bear River near Evanston, Wyo.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1934	May 8, 1934	2.94	540	1949	June 13, 1949	4.93	1,380
1935	June 14, 1935	5.63	2,540	1950	Apr. 18, 1950	-	1,640
1936	May 16, 1936	5.78	2,280		June 3, 1950	6.15	2,200
1937	Apr. 16, 1937	6.30	3,420		June 8, 1950	-	2,150
1938	May 30, 1938	5.32	1,970	1951	Apr. 7, 1951	5.51	1,750
1939	Mar. 21, 1939	a6.10	-		May 30, 1951	6.08	2,160
	June 1, 1939	4.23	1,100		June 17, 1951	4.88	1,310
1940	May 16, 1940	4.34	1,180	1952	May 4, 1952	6.50	2,840
1941	June 10, 1941	5.21	1,810		May 15, 1952	5.90	2,220
1942	May 27, 1942	5.69	1,810		June 8, 1952	6.22	2,580
1943	June 2, 1943	5.87	1,920	1953	June 14, 1953	6.15	2,440
1944	May 17, 1944	5.81	1,890	1954	May 22, 1954	4.80	1,270
1945	Apr. 21, 1945	5.24	1,560	1955	June 9, 1955	4.40	1,100
1946	Apr. 27, 1946	4.86	1,440	1956	May 23, 1956	6.11	2,130
1947	June 21, 1947	5.74	1,850				
1948	Apr. 22, 1948	6.18	2,120				
	May 20, 1948	-	1,970				
1949	May 15, 1949	-	1,360				

a Backwater from ice.

205. Bear River near Woodruff, Utah

Location.--Lat 41°31'25", long 111°01'00", in SW¼ sec.20, T.18 N., R.120 W., in Wyoming, on left bank 2.8 miles upstream from Wyoming-Utah State line and 7.6 miles east of Woodruff.

Drainage area.--870 sq mi, approximately. Mean altitude, 7,930 ft.

Gage.--Recording. Altitude of gage is 6,360 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 2,700 cfs.

Remarks.--Diversions for irrigation of about 45,000 acres above station. Base for partial-duration series, 1,300 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1942	May 28, 1942	4.15	1,620	1950	June 9, 1950	4.70	2,150
	June 9, 1942	3.82	1,320	1951	Mar. 21, 1951	a5.98	-
1943	May 5, 1943	3.86	1,350		Apr. 7, 1951	3.81	1,310
	June 3, 1943	4.27	1,720		May 31, 1951	4.64	2,090
1944	May 18, 1944	4.26	1,860	1952	Apr. 28, 1952	5.32	3,010
	June 4, 1944	3.99	1,560	1953	June 16, 1953	4.79	2,350
	June 25, 1944	3.76	1,390	1954	May 23, 1954	3.49	1,060
	June 28, 1944	3.89	1,510	1955	May 26, 1955	3.26	898
1945	Apr. 22, 1945	3.69	1,350	1956	May 25, 1956	4.24	1,750
1946	Apr. 28, 1946	3.83	1,330	1957	June 15, 1957	4.84	2,380
1947	Mar. 18, 1947	4.37	1,940		June 30, 1957	4.02	1,540
	May 10, 1947	4.23	1,720	1958	May 29, 1958	3.94	1,460
	June 11, 1947	4.28	1,700	1959	June 7, 1959	3.77	1,300
	June 23, 1947	4.38	1,850		June 30, 1959	4.03	1,550
1948	Apr. 19, 1948	4.01	1,430	1960	May 14, 1960	3.45	1,040
	Apr. 24, 1948	4.54	1,940	1961	Mar. 17, 1961	a3.63	-
	May 22, 1948	4.50	1,900		May 29, 1961	2.97	712
1949	June 21, 1949	3.74	1,240				
1950	Apr. 23, 1950	3.91	1,410				
	June 4, 1950	4.86	2,320				

a Backwater from ice.

210. Woodruff Creek near Woodruff, Utah

Location.--Lat 41°29', long 111°16', in SE¼SE¼ sec.28, T.9 N., R.6 E., on left bank 1¼ miles upstream from Birch Creek and 6 miles southwest of Woodruff.

Drainage area.--65 sq mi, approximately. Mean altitude, 7,900 ft.

Gage.--Nonrecording prior to June 21, 1939, at site half a mile downstream at different datum; recording thereafter. June 21, 1939, to Sept. 30, 1943, at site 1½ miles upstream at different datum. Altitude of gage is 6,600 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 500 cfs. Shifts caused by unstable gravel control and beaver dams.

Remarks.--No diversion above station. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1938	May 25, 1938	2.50	a242	1955	May 22, 1955	4.29	240
1939	May 2, 1939	2.28	a91				
1940	May 3, 1940	2.50	81	1956	May 20, 1956	5.11	327
				1957	June 3, 1957	4.60	276
1941	May 13, 1941	4.95	a105	1958	May 21, 1958	4.94	329
1942	May 24, 1942	3.63	206	1959	May 14, 1959	2.81	126
1943	May 2, 1943	4.92	351		-	b3.47	-
				1960	May 13, 1960	3.89	234
1950	May 25, 1950	5.72	528				
				1961	Apr. 4, 1961	2.24	72
1951	May 23, 1951	5.30	365		Sept.19, 1961	b2.68	-
1952	May 30, 1952	5.28	460	1962	May 7, 1962	4.95	302
1953	June 11, 1953	4.11	203	1963	Aug. 9, 1963	5.17	316
1954	July 18, 1954	3.65	157				

a Maximum daily.
b Backwater from beaver dam.

215. Birch Creek near Woodruff, Utah

Location.--Lat 41°30'00", long 111°17'30", in NE¼ sec.20, T.9 N., R.6 E., on left bank a quarter of a mile downstream from small tributary, 2 miles upstream from mouth, and 7 miles southwest of Woodruff.

Drainage area.--17 sq mi, approximately.

Gage.--Recording. Altitude of gage is 6,670 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Birch Creek Reservoir (capacity, 2,200 acre-ft) completed in November 1951. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	May 22, 1950	3.73	172	1954	July 1-6, 1954	1.58	a22
				1955	July 10, 1955	1.57	a31
1951	May 12, 1951	2.62	79				
1952	May 16, 1952	3.19	102	1956	May 10, 1956	2.49	a58
1953	May 29, 1953	2.28	36				

a Maximum daily.

230. Big Creek near Randolph, Utah

Location.--Lat 41°37', long 111°15', in SE¼ sec.10, T.10 N., R.6 E., on left bank 3½ miles downstream from main forks and 4¾ miles southwest of Randolph.

Drainage area.--52.2 sq mi. Mean altitude, 7,370 ft.

Gage.--Recording. Prior to October 1944, at site a quarter of a mile downstream at different datum. Oct. 1, 1949, to Sept. 9, 1959, at site 100 ft downstream at different datum. Altitude of gage is 6,390 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 130 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1939	Mar. 19, 1939	-	a25	1955	May 14, 1955	0.87	36
1940	Nov. 28, 1939	-	b7.2	1956	Apr. 28, 1956	1.38	74
1941	Aug. 12, 1941	3.57	46	1957	July 11, 1957	3.75	337
1942	Apr. 6, 1942	-	b15	1958	May 22, 1958	1.02	56
1943	Mar. 27, 1943	4.30	117	1959	Apr. 2, 1959	.90	54
1944	Mar. 31, 1944	2.94	75	1960	Jan. 16, 1960	c3.67	-
1950	May 18, 1950	2.46	146		Mar. 18, 1960	3.48	135
1951	Mar. 21, 1951	2.13	131	1961	Jan. 19, 1961	c4.00	-
1952	May 7, 1952	2.05	128		Aug. 5, 1961	2.66	45
1953	May 30, 1953	1.12	45	1962	Mar. 27, 1962	3.41	117
1954	July 18, 1954	1.21	49	1963	Feb. 1, 1963	c4.60	-
					Aug. 7, 1963	3.60	123

a Maximum daily for period Mar. 19 to Sept. 30.
b Maximum daily.
c Backwater from ice.

240. Randolph Creek near Randolph, Utah

Location.--Lat 41°40'30", long 111°14'00", in SW¼ sec.23, T.11 N., R.6 E., on left bank a quarter of a mile downstream from confluence of Old Canyon and New Canyon, half a mile upstream from Randolph Dam, and 2¾ miles west of Randolph.

Drainage area.--30.3 sq mi.

Gage.--Recording. Altitude of gage is 6,370 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 10 cfs and extended above by logarithmic plotting.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	Apr. 1, 1950	1.35	22	1954	Mar. 9, 1954	1.17	10
1951	Mar. 21, 1951	1.44	32	1955	Apr. 8, 1955	.97	8.9
1952	Apr. 17, 1952	1.18	10	1956	Mar. 24, 1956	2.29	65
1953	May 16, 1953	1.21	10				

250. Otter Creek near Randolph, Utah

Location.--Lat 41°43', long 111°12', in NW¼ sec.7, T.11 N., R.7 E., a quarter of a mile downstream from South Branch and 3 miles north of Randolph.

Drainage area.--36.2 sq mi.

Gage.--Nonrecording prior to May 3, 1939; recording thereafter. Altitude of gage is 6,350 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 40 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1939	Mar. 17, 1939	2.70	a57	1942	Apr. 6, 1942	1.54	29
1940	Feb. 29, 1940	1.89	25	1943	July 21, 1943	4.52	203
				1944	Mar. 30, 1944	3.40	120
1941	July 27, 1941	3.52	125				

a Maximum daily.

265. Bear River near Randolph, Utah

Location.--Lat 41°48', long 111°06', in SE¼NE¼ sec.7, T.12 N., R.8 E., on left bank 3.5 miles upstream from Twin Creek, 4.8 miles upstream from Utah-Wyoming State line, and 11 miles northeast of Randolph.

Drainage area.--1,640 sq mi, approximately. Mean altitude, 7,470 ft.

Gage.--Recording. Altitude of gage is 6,205 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 2,500 cfs. Sandy streambed shifts almost continually at any stage.

Remarks.--Diversions for irrigation of about 96,000 acres above station. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1944	Apr. 8, 1944	7.00	1,360	1955	Apr. 19, 1955	3.53	348
1945	June 8, 1945	5.50	771				
				1956	Mar. 23, 1956	8.44	2,350
1946	May 1, 1946	6.68	1,170	1957	June 15, 1957	8.27	2,040
1947	June 14, 1947	7.85	1,600	1958	May 31, 1958	4.88	717
1948	Apr. 27, 1948	7.27	1,410	1959	July 2, 1959	4.32	525
1949	May 21, 1949	5.85	923	1960	Mar. 22, 1960	a3.51	-
1950	June 6, 1950	8.30	2,100		Mar. 27, 1960	5.47	753
1951	June 3, 1951	7.92	1,880	1961	Mar. 16, 1961	a3.85	-
1952	May 8, 1952	8.80	2,660	1962	Mar. 30, 1962	8.07	1,900
1953	June 19, 1953	7.39	1,690	1963	June 18, 1963	4.17	383
1954	Apr. 9, 1954	3.09	258				

a Backwater from ice.

270. Twin Creek at Sage, Wyo.

Location.--Lat 41°49', long 110°58', in SE¼ sec.7, T.21 N., R.119 W., on left bank half a mile southwest of Sage and 5 miles upstream from mouth.

Drainage area.--246 sq mi. Mean altitude, 7,180 ft.

Gage.--Nonrecording prior to Oct. 1, 1945, at site 0.6 mile upstream at different datum; recording thereafter. Altitude of gage is 6,330 ft (from highway map).

Stage-discharge relation.--Defined by current-meter measurements below 610 cfs. Some shifting caused by extremely high water and moss.

Remarks.--Diversions for irrigation of about 1,100 acres above station. Base for partial-duration series, 200 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	Aug. 8, 1943	-	a137	1953	Mar. 27, 1953	2.30	65
1944	Apr. 5, 1944	8.38	b610				
1945	Aug. 14, 1945	6.88	b204	1954	Apr. 6, 1954	2.99	69
1946	Mar. 28, 1946	3.73	246	1955	Apr. 15, 1955	3.28	117
1947	Mar. 18, 1947	6.08	649				
				1956	Mar. 24, 1956	5.85	584
1948	Apr. 3, 1948	-	222				
	Apr. 17, 1948	3.77	246	1957	May 25, 1957	2.55	56
1949	June 12, 1949	2.81	139	1958	Apr. 19, 1958	3.88	230
1950	Apr. 2, 1950	5.04	460	1959	Apr. 3, 1959	4.12	275
	Apr. 8, 1950	-	327				
	Apr. 18, 1950	-	265	1960	Mar. 26, 1960	4.89	422
1951	Mar. 21, 1951	5.14	477	1961	Mar. 16, 1961	4.45	(c)
	Mar. 31, 1951	4.79	418				
				1962	Apr. 3, 1962	5.90	613
1952	Apr. 21, 1952	4.43	359				

a Maximum observed during period April to September.
b Maximum observed.
c Not determined; occurred during period of ice effect.

285. Bear River below Pixley Dam, near Cokeville, Wyo.
(Published as "Bear River near Cokeville" 1942-43)

Location.--Lat 41°56'20", long 110°59'05", in SE¼SE¼ sec.25, T.23 N., R.120 W., 800 ft downstream from Pixley Dam, 11 miles south of Cokeville, and 17.5 miles downstream from Twin Creek.

Drainage area.--2,040 sq mi, approximately.

Gage.--Recording. Prior to Dec. 1, 1943, at site 200 ft downstream at different datum. Altitude of gage is 6,185 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1942	Apr. 6, 1942	8.35	1,640	1958	June 2, 1958	-	a591
1943	Mar. 29, 1943	5.87	934	1959	July 7, 1959	-	a377
				1960	July 2, 1960	3.49	189
1953	June 21, 1953	8.25	1,220				
1954	Apr. 9, 1954	4.18	282	1961	Sept.22, 1961	3.25	130
1955	June 5, 1955	5.05	382	1962	May 18, 1962	5.93	659
				1963	July 5, 1963	4.88	388
1956	Mar. 25, 1956	-	a2,300				

a Maximum daily.

295. Bear River above Sublette Creek, near Cokeville, Wyo.

Location.--Lat 42°02'20", long 110°57'05", in SW¼SE¼ sec.20, T.24 N., R.119 W., on left bank 1,500 ft upstream from Sublette Creek and 3¼ miles south of Cokeville.

Drainage area.--2,110 sq mi, approximately.

Gage.--Recording. Altitude of gage is 6,165 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements.

Bankfull stage.--8.8 ft.

Remarks.--Diversions for irrigation of about 109,000 acres upstream from station. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1948	Apr. 28, 1948	8.24	1,270	1952	May 10, 1952	9.90	2,620
1949	May 19, 1949	7.44	970	1953	June 22, 1953	8.37	1,350
1950	June 10, 1950	9.40	1,820	1954	Apr. 9, 1954	4.45	292
				1955	June 5, 1955	5.55	508
1951	June 6, 1951	9.22	1,790				

320. Smiths Fork near Border, Wyo.

Location.--Lat 42°17', long 110°52', in NW¼ sec.33, T.27 N., R.118 W., on left bank 4½ miles upstream from Howland Creek, 6 miles downstream from Hobble Creek, and 12 miles northeast of Border.

Drainage area.--165 sq mi. Mean altitude, 8,270 ft.

Gage.--Recording. Prior to Oct. 16, 1945, at site 0.8 mile downstream at different datum. Altitude of gage is 6,650 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,400 cfs.

Remarks.--Base for partial-duration series, 580 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1942	May 27, 1942	3.43	579	1955	June 10, 1955	3.56	587
1943	May 30, 1943	4.29	935				
1944	June 10, 1944	3.75	772	1956	June 2, 1956	4.29	1,260
1945	June 23, 1945	3.37	666	1957	June 7, 1957	4.56	1,500
1946	Apr. 26, 1946	3.89	859				
1947	May 9, 1947	4.21	1,120	1958	May 28, 1958	4.13	1,150
1948	May 8, 1948	-	624	1959	June 16, 1959	3.49	697
	May 20, 1948	4.16	1,100	1960	May 13, 1960	3.50	710
1949	May 29, 1949	3.57	743	1961	Dec. 16, 1960	a3.48	-
1950	June 7, 1950	4.45	1,180		May 28, 1961	2.84	370
1951	May 29, 1951	4.56	1,360	1962	May 9, 1962	4.02	1,080
1952	May 8, 1952	3.91	976	1963	Feb. 1, 1963	a3.96	-
1953	June 15, 1953	3.80	988		May 26, 1963	3.52	728
1954	May 22, 1954	3.56	832				

a Backwater from ice.

350. Smiths Fork at Cokeville, Wyo.

Location.--Lat 42°06', long 110°57', in NW¼ sec.4, T.24 N., R.119 W., on right bank 1 mile northeast of Cokeville and 2 miles upstream from mouth.

Drainage area.--275 sq mi. Mean altitude, 7,810 ft.

Gage.--Recording. Prior to Aug. 11, 1949, at site 85 ft downstream at different datum. Altitude of gage is 6,250 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Many diversions above station for irrigation above and below station. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1942	May 27, 1942	4.51	517	1948	May 21, 1948	5.38	1,070
1943	May 4, 1943	-	a1,050	1949	May 20, 1949	3.94	689
1944	June 10, 1944	4.89	708	1950	May 25, 1950	5.71	1,230
1945	June 10, 1945	4.48	600				
				1951	May 29, 1951	5.77	1,280
1946	Apr. 30, 1946	5.24	986	1952	May 4, 1952	5.63	1,320
1947	May 12, 1947	5.53	1,090				

a Maximum daily.

380. Bear River below Smiths Fork, near Cokeville, Wyo.

Location.--Lat 42°07'30", long 110°58'20", in SE¼NE¼ sec.28, T.25 N., R.119 W., 1.1 miles upstream from Wyman Dam, 2.8 miles northwest of Cokeville, and 3.8 miles downstream from Smiths Fork.

Drainage area.--2,460 sq mi, approximately.

Gage.--Recording. Altitude of gage is 6,140 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1954	May 11, 1954	3.83	673	1959	Apr. 6, 1959	4.21	931
1955	June 5, 1955	4.20	880	1960	Mar. 25, 1960	5.09	1,600
1956	Mar. 26, 1956	7.54	3,780	1961	Mar. 16, 1961	3.11	329
1957	June 22, 1957	6.26	2,570	1962	Apr. 2, 1962	6.85	3,100
1958	June 2, 1958	5.20	1,660	1963	June 15, 1963	4.18	904

395. Bear River at Border, Wyo.

Location.--Lat 42°11', long 111°03', in NE¼NE¼ sec.15, T.14 S., R.46 E., in Idaho, on left bank a quarter of a mile west of Wyoming-Idaho State line, half a mile west of Border, and 2.1 miles upstream from Thomas Fork.

Drainage area.--2,490 sq mi, approximately. Mean altitude, 7,360 ft.

Gage.--Recording. Datum of gage is 6,051.63 ft above mean sea level, unadjusted.

Stage-discharge relation.--Defined by current-meter measurements below 3,650 cfs. Shifting at various stages caused mostly by backwater from Thomas Fork.

Remarks.--Diversions for irrigation of about 124,000 acres above station. Base for partial-duration series, 1,000 cfs. Only annual peaks are shown prior to 1948 and after 1951.

Peak stages and discharges of Bear River at Border, Wyo.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1938	May 19,23, 1938	6.22	1,780	1951	June 7, 1951	7.27	2,300
1939	Mar. 23, 1939	6.67	1,950				
				1952	May 11, 1952	8.89	3,680
1941	June 16, 1941	5.62	1,470	1953	June 22, 1953	6.14	1,860
1942	Apr. 8, 1942	6.89	2,040	1954	May 11, 1954	3.20	630
1943	May 6, 1943	6.69	1,900	1955	June 6, 1955	3.50	753
1944	Apr. 10, 1944	6.30	1,860				
1945	June 10, 1945	5.63	1,400	1956	Mar. 27, 1956	8.62	3,620
				1957	June 22, 1957	7.59	2,630
1946	May 1, 1946	7.04	2,020	1958	June 2, 1958	5.63	1,520
1947	June 18, 1947	6.89	2,040	1959	Apr. 6, 1959	4.13	924
				1960	Mar. 26, 1960	5.17	1,410
1948	Apr. 29, 1948	-	1,660				
	May 30, 1948	6.86	2,020	1961	Mar. 16, 1961	ε3.06	(b)
				1962	Apr. 3, 1962	8.19	3,360
1949	May 22, 1949	5.86	1,560	1963	Feb. 4, 1963	ε4.22	-
	June 7, 1949	-	1,230		June 17, 1963	4.10	904
	June 21, 1949	-	1,140				
1950	June 9, 1950	8.77	2,900				

a Backwater from ice.
b Not determined.

400. Thomas Fork near Geneva, Idaho

Location.--Lat 42°23'30", long 110°59'00", in NE¼ sec.28, T.28 N., R.119 W., on right bank 0.8 mile upstream from Salt Creek, 3.7 miles east of Wyoming-Idaho State line, and 5.4 miles northeast of Geneva Post Office.

Drainage area.--45.3 sq mi. Mean altitude, 7,170 ft.

Gage.--Recording. Altitude of gage is 6,400 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 240 cfs.

Remarks.--Base for partial-duration series, 40 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1940	Sept.28, 1940	2.35	23	1948	Apr. 29, 1948	3.39	267
					May 7, 1948	-	186
1941	May 4, 1941	2.77	63				
1942	Apr. 5, 1942	3.19	122	1949	Apr. 24, 1949	2.57	78
1943	Apr. 24, 1943	3.95	172		May 17, 1949	-	75
1944	Apr. 4, 1944	3.35	119		June 8, 1949	-	49
1945	June 10, 1945	2.92	73				
				1950	Apr. 22, 1950	-	168
1946	Apr. 26, 1946	4.07	241		May 18, 1950	4.25	418
1947	May 3, 1947	3.58	225				
				1951	Apr. 29, 1951	3.36	224
1948	Apr. 17, 1948	-	86				

405. Salt Creek near Geneva, Idaho

Location.--Lat 42°24'00", long 110°59'30", in NW¼ sec.21, T.28 N., R.119 W., in Wyoming, on left bank 800 ft upstream from bridge on U.S. Highway 89, 1,000 ft upstream from mouth, 3.0 miles east of Wyoming-Idaho State line, and 4¾ miles northeast of Geneva Post Office.

Drainage area.--37.6 sq mi. Mean altitude, 7,390 ft.

Gage.--Recording. Altitude of gage is 6,350 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Base for partial-duration series, 50 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges of Salt Creek near Geneva, Idaho

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1940	May 4, 1940	2.13	37	1948	May 8, 1948	-	191
					May 18, 1948	4.20	249
1941	May 12, 1941	3.02	110				
1942	May 24, 1942	2.59	73	1949	Apr. 27, 1949	2.86	111
1943	Apr. 24, 1943	4.43	292		May 4, 1949	-	94
1944	May 10, 1944	2.52	69		May 20, 1949	-	94
1945	May 7, 1945	3.65	159				
				1950	Apr. 22, 1950	-	128
1946	Apr. 26, 1946	4.78	284		May 18, 1950	5.02	382
1947	May 4, 1947	4.70	309				
				1951	May 7, 1951	3.82	243
1948	Apr. 29, 1948	-	158				

410. 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., in Wyoming, on right bank 1.3 miles upstream from State line, 1.5 miles downstream from Giraffe Creek, and 3½ miles northeast of Geneva, Idaho.

Drainage area.--113 sq mi. Mean altitude, 7,290 ft.

Gage.--Recording. Prior to Aug. 23, 1957, at site 0.2 mile upstream at different datum. Altitude of gage is 6,280 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 670 cfs. Gravel bar control subject to some shifting.

Remarks.--Base for partial-duration series, 150 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	Apr. 21, 1950	-	423	1957	May 12, 1957	4.02	626
	May 18, 1950	5.55	869		May 19, 1957	4.24	766
1951	May 7, 1951	-	a620	1958	May 12, 1958	3.45	417
					June 24, 1958	2.59	190
1952	May 4, 1952	6.53	848				
				1959	Feb. 21, 1959	a3.96	-
1953	Apr. 27, 1953	3.27	171		May 2, 1959	2.38	157
	May 7, 1953	3.24	166				
	May 20, 1953	3.20	159	1960	Apr. 9, 1960	2.84	268
1954	Apr. 28, 1954	3.24	171	1961	Mar 9, 1961	b3.88	-
	May 7, 1954	3.39	200		Mar. 24, 1961	1.85	69
1955	May 8, 1955	3.75	152	1962	Apr. 28, 1962	3.48	640
1956	Dec. 24, 1955	3.83	246	1963	Feb. 1, 1963	b3.38	-
	Apr. 24, 1956	4.16	634		Mar. 28, 1963	2.35	304

a Maximum daily.
b Backwater from ice.

425. Thomas Fork near Raymond, Idaho

Location.--Lat 42°16', long 111°05', in SE¼ sec.28, T.13 S., R.46 E., on left bank at J. W. Mumford Ranch, 1½ miles southwest of Raymond.

Drainage area.--202 sq mi. Mean altitude, 7,090 ft.

Gage.--Recording. Altitude of gage is 6,080 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Diversions above station for irrigation of about 10,000 acres. Only annual peaks are shown.

Peak stages and discharges of Thomas Fork near Raymond, Idaho

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	Apr. 25, 1943	7.66	618	1948	May 19, 1948	6.72	325
1944	Apr. 6, 1944	4.09	104	1949	May 22, 1949	4.54	189
1945	June 11-13, 1945	5.48	201	1950	May 19, 1950	7.62	1,070
1946	Apr. 27, 1946	7.82	773	1951	May 9, 1951	7.05	522
1947	May 6, 1947	6.92	427	1952	May 5, 1952	7.29	890

440. Bear River at Harer, Idaho

Location.--Lat 42°11'50", long 111°10'05", in NW¼ sec.23, T.14 S., R.45 E., on right bank 400 ft downstream from Sheep Creek, three-quarters of a mile north of Harer siding on Union Pacific (Oregon Short Line) Railroad, and 5 miles southeast of Dingle.

Drainage area.--2,780 sq mi, approximately.

Gage.--Nonrecording prior to Aug. 24, 1914, at site 1,500 ft downstream at different datum; recording thereafter. Altitude of gage is 6,000 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Many diversions above station for irrigation. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	May 26, 1914	-	a3,450	1939	Mar. 24, 1939	-	2,360
1915	June 7, 1915	-	1,120	1940	Mar. 6, 1940	-	227
1916	Mar. 22, 1916	-	3,630	1941	June 15, 1941	-	1,580
1917	Apr. 19, 20, 1917	-	4,250	1942	Apr. 9, 1942	-	2,280
1918	June 21, 1918	-	2,460	1943	May 7, 1943	8.42	2,400
1919	Mar. 29, 1919	-	1,370	1944	Apr. 11, 1944	-	2,180
1920	June 2, 1920	10.51	3,860	1945	June 11, 1945	6.81	1,680
1921	June 19, 1921	-	3,640	1946	May 2, 1946	8.92	2,680
1922	May 28, 1922	10.48	3,840	1947	May 15, 1947	8.40	2,300
1923	May 30, 1923	-	3,700	1948	May 31, 1948	8.40	2,290
1924	Apr. 15, 1924	-	3,790	1949	May 22, 1949	7.32	1,810
1925	May 27, 1925	6.07	1,460	1950	June 10, 1950	10.76	3,780
1926	Mar. 20, 1926	5.90	1,380	1951	June 8, 1951	9.05	2,500
1927	Mar. 24, 1927	-	1,790	1952	May 7, 1952	11.04	4,440
1928	May 19, 1928	-	2,720	1953	June 23, 1953	7.65	1,880
1929	May 27, 1929	-	2,260	1954	May 14, 1954	4.35	680
1930	Apr. 12, 1930	-	1,200	1955	Apr. 15, 1955	4.98	919
1931	Apr. 12, 1931	3.85	440	1956	Mar. 28, 1956	10.82	3,810
1932	May 24, 1932	8.13	2,280	1957	June 23, 1957	9.36	2,640
1933	June 18, 19, 1933	6.01	1,330	1958	June 2, 1958	7.06	1,700
1934	Feb. 19-23, 1934	-	210	1959	Apr. 6, 1959	5.46	1,100
1935	June 19, 1935	-	1,510	1960	Mar. 27, 1960	-	b1,320
1936	May 19, 1936	-	3,040	1961	Mar. 25, 1961	3.54	350
1937	Apr. 23, 22, 1937	-	2,190	1962	Apr. 4, 1962	9.68	2,790
1938	May 20, 1938	-	2,080	1963	June 18, 1963	5.48	1,110

a Maximum observed.
b Maximum daily.

445. Bear River at Dingle, Idaho

Location.--Lat 42°13'30", long 111°14'10", in NW¼ sec.7, T.14 S., R.45 E., half a mile southeast of Dingle.

Drainage area.--2,810 sq mi, approximately.

Gage.--Nonrecording. Altitude of gage is 5,950 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Bear Lake Inlet Canal, records for which are not published separately in this report, began diverting upstream from station in May 1911. Records herein adjusted for this diversion May 1911 to September 1912. No record of diversion available after 1912. Record of canal diversion for 1924-50 in files of Geological Survey. Only annual maximum observed discharges are shown.

Maximum observed discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1903	June 1903	-	1,410	1909	June 14, 1909	-	3,990
1904	May 28, 1904	-	3,175	1910	Apr. 30, 1910	-	2,150
1905	June 19, 1905	-	765				
				1911	Mar. 27, 1911	-	3,650
1906	June 3, 1906	-	2,820	1912	June 18, 1912	-	3,240
1907	May 26, 1907	8.75	4,050	1913	May 14, 1913	-	1,610
1908	June 21, 1908	-	1,750	1914	May 25, 1914	-	3,560

465. Bear River below Stewart Dam, near Montpelier, Idaho

Location.--Lat 42°15'30", long 111°17'30", in NE¼ sec.34, T.13 S., R.44 E., on right bank 300 ft downstream from Stewart Dam and 4½ miles south of Montpelier.

Drainage area.--2,820 sq mi, approximately.

Gage.--Recording. Altitude of gage is 5,950 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Water diverted by Stewart Dam through Rainbow Inlet Canal for storage and regulation in Bear Lake. Records collected by Utah Power & Light Co., under general supervision of Geological Survey. Only annual peaks are shown (maximum daily 1922-46, 1948, 1954, 1956-58).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1922	June 1-4, 1922	-	3,000	1943	Aug. 12, 1943	-	189
1923	June 3, 1923	-	3,050	1944	July 4,5, 1944	-	660
1924	Oct. 18, 1923	-	576	1945	Aug. 19, 1945	-	286
1925	Apr. 14, 1925	-	560				
				1946	Dec. 22, 1945	-	162
1926	Apr. 27, 1926	-	635	1947	July 26, 1947	-	281
1927	June 24, 1927	-	895	1948	Dec. 9, 1947	-	161
1928	June 10, 1928	-	857	1949	May 31, 1949	-	470
1929	June 12, 1929	-	925	1950	June 7, 1950	-	805
1930	June 5, 1930	-	556				
				1951	June 26, 1951	-	42
1931	Nov. 2, 1930	-	229	1952	July 1, 1952	-	37
1932	July 14, 1932	-	515	1953	May 9, 1953	-	33
1933	June 19, 1933	-	426	1954	Mar. 27, 1954	-	28
1934	Oct. 28, 1933	-	123	1955	May 12, 1955	1.32	29
1935	Apr. 22, 1935	-	12				
				1956	Sept. 9, 1956	-	54
1936	Sept.25, 1936	-	113	1957	Oct. 14, 1956	-	128
1937	Oct. 28, 1936	-	228	1958	July 4, 1958	-	31
1938	Sept.13, 1938	-	200	1959	Mar. 11, 1959	-	35
1939	Sept.27, 1939	-	116	1960	Mar. 28, 1960	1.76	50
1940	Oct. 21, 1939	-	150				
				1961	Mar. 20, 1961	1.28	20
1941	Nov. 11, 1940	-	109	1962	Apr. 2, 1962	1.73	48
1942	Feb.18,19,1942	-	130	1963	June 16, 1963	1.15	12

Note.--Discharges are maximum daily means 1922-46, 1948, 1954, 1956-58.

470. Montpelier Creek near Montpelier, Idaho

Location.--Lat 42°21', long 111°11', in NE¼ sec.34, T.12 S., R.45 E., 150 ft upstream from bridge on U.S. Highway 89, 275 ft upstream from South Fork, and 6.8 miles northeast of Montpelier.

Drainage area.--28.2 sq mi.

Gage.--Recording. Datum of gage is 6,427.46 ft above mean sea level, adjustment of 1912.

Stage-discharge relation.--Defined by current-meter measurements below 70 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1940	July 1, 1940	1.88	35	1942	Apr. 12, 1942	2.23	53
				1943	Apr. 24, 1943	3.35	136
1941	May 1, 1941	2.06	42	1944	Apr. 12, 1944	2.15	55

475. Montpelier Creek at irrigators weir, near Montpelier, Idaho

Location.--Lat 42°20', long 111°14', in SE¼ sec.31, T.12 S., R.45 E., on right bank 3 miles east of Montpelier and 3½ miles downstream from South Fork.

Drainage area.--50.9 sq mi. Mean altitude, 7,370 ft.

Gage.--Recording gage and sharp-crested weir. Altitude of gage is 6,210 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 180 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	Apr. 24, 1943	5.43	134	1954	Apr. 24, 1954	0.92	49
1944	Apr. 12, 1944	1.27	62	1955	June 4, 1955	.93	54
1945	June 10, 1945	1.57	88				
				1956	Apr. 24, 1956	1.81	124
1946	Apr. 19, 1946	2.45	170	1957	May 19, 1957	1.74	113
1947	May 11, 1947	1.55	89	1958	May 12, 1958	1.67	107
1948	May 8, 1948	1.97	126	1959	Apr. 27, 1959	.87	44
1949	May 19, 1949	1.25	73	1960	Apr. 7, 1960	1.50	91
1950	May 18, 1950	2.91	224				
				1961	Apr. 3, 1961	1.89	27
1951	Apr. 29, 1951	1.98	134	1962	Apr. 28, 1962	3.06	192
1952	May 4, 1952	2.33	164	1963	Mar. 28, 1963	2.02	96
1953	Apr. 28, 1953	1.11	64				

585. Bloomington Creek near Bloomington, Idaho

Location.--Lat 42°11', long 111°27', in SE¼ sec.20, T.14 S., R.43 E., 2.1 miles west of Bloomington.

Drainage area.--22.1 sq mi. Mean altitude, 7,860 ft.

Gage.--Recording.

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	June 2, 1943	2.67	184	1946	May 5, 1946	2.24	143
1944	May 14, 1944	1.79	85	1947	May 7, 1947	2.17	137
1945	May 31, 1945	2.07	111				

630. Mill Creek near Liberty, Idaho

Location.--Lat 42°20', long 111°29', in SE¼ sec.36, T.12 S., R.42 E., 2 miles northwest of Liberty and 3½ miles upstream from North Creek.

Drainage area.--27.2 sq mi.

Gage.--Recording. Altitude of gage is 6,290 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	June 1, 1943	2.98	144	1946	May 6, 1946	2.93	150
1944	June 8, 1944	2.62	104	1947	May 8, 1947	2.45	141
1945	May 31, 1945	2.63	150				

685. Bear River at Pescadero, Idaho

Location.--Lat 42°24'30", long 111°21'30", in SE¼ sec.6, T.12 S., R.44 E., on left bank at Pescadero, 400 ft downstream from road bridge, 2 miles downstream from Bennington Creek, and 6½ miles northwest of Montpelier.

Drainage area.--3,680 sq mi, approximately.

Gage.--Recording. Altitude of gage is 5,950 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Bear Lake. Records collected by Utah Power & Light Co., under general supervision of Geological Survey. Only annual peaks are shown (maximum daily 1922-46, 1948).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1922	June 1, 1922	-	3,730	1937	July 6, 1937	-	920
1923	June 10, 1923	-	3,840	1938	Sept.23, 1938	-	760
1924	Aug. 11, 1924	-	1,800	1939	May 31, 1939	-	1,160
1925	July 22, 1925	-	1,280	1940	July 11, 1940	-	1,320
1926	Aug. 6, 1926	-	1,410	1941	July 2, 1941	-	1,390
1927	July 30, 1927	-	1,390	1942	July 16, 1942	-	1,170
1928	Aug. 3, 1928	-	1,210	1943	June 30, 1943	-	1,020
1929	July 18, 1929	-	1,150	1944	July 22, 1944	-	1,250
1930	July 10, 1930	-	1,260	1945	July 31, 1945	-	1,060
1931	July 30, 1931	-	1,330	1946	July 26, 1946	-	1,210
1932	July 31, Aug.17, 18, 1932	-	1,050	1947	July 26, 1947	-	1,500
				1948	July 15, 1948	-	1,500
1933	July 13, Aug. 3, 1933	-	1,030	1949	July 13, 1949	4.75	1,260
				1950	June 12, 1950	6.47	2,640
1934	May 18-20, 22, 1934	-	1,060	1951	July 9, 1951	5.38	1,740
1935	July 9, 1935	-	1,120	1952	June 25, 1952	5.15	1,580
				1953	July 9, 1953	5.04	1,550
1936	Apr. 20, 1936	-	1,300	1954	July 8, 1954	4.94	1,400

Note.--Discharges shown for 1922-46, 1948, are maximum daily means.

690. Georgetown Creek near Georgetown, Idaho

Location.--Lat 42°30', long 111°19', in NE¼ sec.4, T.11 S., R.44 E., on left bank 150 ft downstream from Little Right Hand Fork and 3 miles northeast of Georgetown.

Drainage area.--22.2 sq mi. Mean altitude, 7,830 ft.

Gage.--Nonrecording prior to October 1914 at site 0.7 mile downstream at different datum; recording thereafter. Altitude of gage is 6,350 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1912	June 8, 1912	1.75	a162	1947	May 11, 1947	1.63	41
				1948	May 20, 1948	2.10	88
1914	May 21, 1914	1.57	a100	1949	June 6, 1949	1.58	44
				1950	June 2, 1950	2.12	110
1940	June 30, 1940	1.64	38				
				1951	May 28, 1951	2.35	75
1941	Aug. 12, 1941	1.67	43	1952	May 15, 1952	2.22	60
1942	May 28, 1942	-	34	1953	June 15, 1953	2.02	42
	June 1-15, 1942	-	34	1954	Oct. 31, 1953	2.01	39
1943	June 15, 1943	1.85	51	1955	June 13, 1955	2.00	37
1944	June 16,22,1944	1.66	40				
1945	June 15, 1945	1.55	51	1956	May 24, 1956	2.33	69
1946	Apr. 30, 1946	1.82	55				

a Maximum observed.

715. Skinner Creek at Nounan, Idaho

Location.--Lat 42°29', long 111°28', in SW¼ sec.8, T.11 S., R.43 E., 330 ft downstream from point where flow through Minnig Mill is returned to creek and three-quarters of a mile west of Nounan Post Office.

Drainage area.--5.41 sq mi.

Gage.--Nonrecording. Altitude of gage is 6,100 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 24 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1940	May 13, 1940	-	20	1943	May 4, 1943	1.92	50
				1944	June 8, 1944	-	60
1941	May 12,13, 1941	1.60	32	1945	June 9, 1945	-	35
1942	Apr. 21, 1942	1.44	20				

720. Stauffer Creek near Nounan, Idaho

Location.--Lat 42°28', long 111°25', in N½ sec.15, T.11 S., R.43 E., 0.6 mile upstream from mouth, 2 miles east of Nounan Post Office, and 2 miles west of Georgetown.

Drainage area.--Indeterminate. Skinner Creek divides just above Nounan, part of water flowing into Stauffer Creek and part flowing directly into Bear Lake.

Gage.--Recording. Prior to Dec. 11, 1942, at site 100 ft downstream at different datum. Altitude of gage is 5,900 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 50 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges of Stauffer Creek near Nounan, Idaho

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1940	May 27, 1940	3.43	150	1942	Apr. 6, 1942	-	144
				1943	May 5, 1943	2.85	133
1941	May 28, 1941	3.85	186	1944	Apr. 4, 1944	2.23	113

750. Bear River at Soda Springs, Idaho

Location.--Lat 42°36'50", long 111°35'00", in NW¼ sec.29, T.9 S., R.42 E., on left bank 800 ft upstream from Bailey Creek road bridge and 2 miles south of Soda Springs.

Drainage area.--3,970 sq mi, approximately.

Gage.--Nonrecording prior to 1944, at different datum; recording thereafter. Altitude of gage is 5,760 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,750 cfs.

Remarks.--Records prior to 1954 in "Reports on Bear River hydrometric data" (U.S. Geological Survey open-file report). Flow regulated by storage in Bear Lake. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1896	June 9,15, 1896	8.40	6,380	1953	July 9,10,1953	-	a1,480
				1954	July 9, 1954	4.78	1,410
1944	July 22, 1944	-	a1,220	1955	July 13, 1955	4.84	1,450
1945	July 25,Aug. 1, 1945	-	a1,039				
				1956	Apr. 27, 1956	4.71	1,340
				1957	July 26, 1957	4.93	1,570
1946	July 26, 1946	-	a1,166	1958	July 18, 1958	4.69	1,370
1947	July 27,Aug. 4, 1947	-	a1,504	1959	July 27, 1959	4.70	a1,400
				1960	July 12, 1960	4.77	1,440
1948	July 15,16,1948	-	a1,440				
1949	July 14, 1949	-	a1,200	1961	July 4, 1961	4.90	1,540
				1962	July 13, 1962	5.10	1,710
1951	June 26, 1951	-	a1,675	1963	Feb. 1, 1963	7.61	4,020
1952	June 25, 1952	-	a1,710				

a Maximum daily.

770. Soda Creek near Soda Springs, Idaho

Location.--Lat 42°42'35", long 111°37'15", in SW¼SW¼ sec.24, T.8 S., R.41 E., at George Schmidt Ranch, one-eighth mile below unnamed tributary and 4 miles north of Soda Springs.

Drainage area.--52 sq mi, approximately.

Gage.--Nonrecording. Prior to Aug. 1, 1913, at site 30 ft upstream at datum about 3.10 ft lower. Aug. 1, 1913, to June 28, 1921, at datum 3.30 ft lower. Altitude of gage is 5,960 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 30 cfs.

Remarks.--Flow regulated by outlet of Fivemile Meadows. Only annual maximum observed discharges are shown.

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1913	Apr. 6, 1913	5.30	324	1921	Apr. 4, 1921	4.65	159
1914	Apr.12-13,1914	5.0	241	1922	Apr.28,29,1922	1.70	229
1915	Mar. 28, 1915	4.4	108	1923	Apr. 18, 1923	1.60	217
				1924	Apr.13,14,1924	-	241
1916	Mar. 24, 1916	4.42	95	1925	Mar. 30, 1925	1.32	155
1917	Apr. 20, 1917	4.8	193				
1918	Mar29,31, 1918	4.65	150	1926	Mar. 19, 1926	1.24	140
1919	Apr. 1-2,1919	5.00	231				
1920	Apr. 13, 1920	4.90	200				

795. Bear River at Alexander, Idaho

Location.--Lat 42°38'45", long 111°41'55", in NW¼ sec.17, T.9 S., R.41 E., on right bank 600 ft downstream from Soda Hydroelectric plant of Utah Power & Light Co., half a mile southeast of Alexander, and 5 miles downstream from Soda Creek.

Drainage area.--4,050 sq mi, approximately.

Gage.--Recording. Altitude of gage is 5,650 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Bear Lake Reservoir and Soda hydroelectric plant. Records collected by Utah Power & Light Co., under general supervision of Geological Survey. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1911	Mar. 31, 1911	-	a4,740	1937	Apr. 21, 1937	-	a1,070
1912	June 17-20, 1912	-	a3,900	1938	May 18, 1938	-	a1,040
				1939	July 26, 1939	-	a1,240
1914	May 25,28, 1914	-	a3,940	1940	June 28, 1940	-	a1,340
1915	Apr. 24, 1915	-	a1,150				
				1941	June 28, 1941	-	a1,400
1916	Mar. 25, 1916	-	2,170	1942	July 23, 1942	-	a1,220
1917	June 26, 1917	-	4,580	1943	Apr. 4, 1943	-	a1,550
1918	July 10, 1918	-	1,400	1944	July 19, 1944	-	a1,330
1919	July 20, 1919	-	a1,280	1945	July 20, 1945	-	a1,250
1920	May 24, 1920	-	1,520				
				1946	Apr. 8, 1946	-	a1,350
1921	June 13, 1921	-	3,870	1947	Aug. 19, 1947	-	a1,520
1922	May 9, 1922	-	4,590	1948	July 12, 1948	-	a1,770
1923	June 10, 1923	-	a3,910	1949	July 12, 1949	-	a1,420
1924	Apr. 13, 1924	-	2,440	1950	June 10, 1950	-	a2,580
1925	Oct. 31, 1924	-	2,460				
				1951	June 16, 1951	-	a1,810
1926	Sept. 1, 1926	-	a1,330	1952	June 20, 1952	-	a1,750
1927	July 14, 1927	-	a1,540	1953	July 7, 1953	-	a1,380
1928	Apr. 4, 1928	-	a1,660	1954	July 12, 1954	-	a1,440
1929	July 13,23, 1929	-	a1,200	1955	July 11, 1955	-	a1,530
1930	July 6,31, 1930	-	a1,260				
				1956	July 26, 1956	-	a1,360
1931	July 25, 1931	-	a1,370	1957	July 24, 1957	-	a1,770
1932	July 31, Aug. 2, 1932	-	a1,060	1958	July 11, 1958	-	a1,390
				1959	Nov. 16, 1958	3.27	2,170
1933	July 16, 1933	-	a1,140	1960	July 14, 1960	-	a1,380
1934	July 19, 1934	-	a1,220				
1935	July 9, 1935	-	a1,150	1961	June 29, 1961	3.73	2,480
				1962	Apr. 5, 1962	3.36	2,330
1936	Apr. 21, 1936	-	a2,450	1963	Feb. 1, 1963	4.06	3,130

a Maximum daily.

840. Cottonwood Creek near Swan Lake, Idaho

Location.--Lat 42°23', long 111°55', in SW¼ sec.16, T.12 S., R.39 E., 1 mile downstream from Treasureton Canal headgate, 6½ miles northeast of Swan Lake, and 11½ miles upstream from mouth.

Drainage area.--42.6 sq mi.

Gage.--Recording. Altitude of gage is 5,950 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 300 cfs.

Remarks.--Treasureton Canal diverts 1 mile above station. Records prior to June 1943 furnished by Bureau of Reclamation. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1939	Apr. 2, 1939	2.36	192	1943	Apr. 6, 1943	3.15	379
1940	Mar. 27, 1940	2.17	156	1944	June 9, 1944	2.16	161
				1945	Apr. 20, 1945	3.10	363
1941	Apr. 29, 1941	2.25	170				
1942	Apr. 11, 1942	2.86	305	1946	Apr. 16, 1946	3.54	497

845. Cottonwood Creek near Cleveland, Idaho

Location.--Lat 42°20', long 111°46', in SW¼ sec.34, T.12 S., R.40 E., on right bank 500 ft upstream from Cleveland irrigation canal, 2½ miles west of Cleveland, and 4 miles downstream from proposed Cottonwood Dam.

Drainage area.--61.7 sq mi. Mean altitude, 6,650 ft.

Gage.--Nonrecording prior to Dec. 29, 1944; recording thereafter. Altitude of gage is 5,150 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 530 cfs. Extremely high water causes some shifting.

Remarks.--Base for partial-duration series, 150 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1939	Apr. 1, 1939	3.00	a330	1954	Apr. 28, 1954	1.98	133
1940	Mar. 27, 1940	2.40	a186				
				1955	May 9, 1955	2.31	202
1941	May 4, 1941	2.44	a197		June 3, 1955	2.27	205
1942	Apr. 14, 1942	2.60	a250				
1943	Apr. 4, 1943	3.00	a380	1956	Mar. 25, 1956	2.28	214
1944	May 6, 1944	-	b120		Apr. 22, 1956	2.41	260
1945	Apr. 20, 1945	3.29	486				
				1957	Apr. 23, 1957	2.74	233
1946	Apr. 16, 1946	3.77	660		May 6, 1957	2.70	252
1947	Mar. 21, 1947	2.28	205		May 14, 1957	2.82	374
					May 19, 1957	3.44	521
1948	Apr. 21, 1948	3.60	680				
	Apr. 29, 1948	-	528	1958	Apr. 18, 1958	3.15	505
	May 7, 1948	-	316		May 7, 1958	2.70	378
	May 17, 1948	-	279				
				1959	Apr. 5, 1959	2.96	406
1949	Apr. 25, 1949	2.85	308		Apr. 26, 1959	2.27	179
	May 21, 1949	-	175				
				1960	Apr. 6, 1960	3.08	489
1950	Apr. 20, 1950	-	508				
	May 18, 1950	3.46	584	1961	Apr. 3, 1961	2.41	224
1951	Apr. 8, 1951	2.88	345	1962	Feb. 12, 1962	2.19	164
	Apr. 29, 1951	2.62	260		Apr. 14, 1962	2.81	433
1952	Apr. 27, 1952	3.83	773	1963	Feb. 1, 1963	3.2	338
					Mar. 22, 1963	2.54	162
1953	Apr. 28, 1953	2.27	189		May 7, 1963	2.65	187

a Maximum observed.
b Maximum daily.

865. Bear River below Utah Power & Light Co.'s tailrace, at Oneida, Idaho

Location.--Lat 42°16', long 111°45', in sec.26, T.13 S., R.40 E., on right bank 200 ft downstream from tailrace of Oneida plant and 6 miles south of Cleveland.

Drainage area.--4,400 sq mi, approximately.

Gage.--Recording. Altitude of gage is 4,800 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Bear Lake and Soda, Grace, and Oneida hydroelectric plants. Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project. Only annual maximum daily discharges are shown prior to 1961.

Peak stages and discharges of Bear River below Utah Power & Light Co.'s tailrace, at Oneida, Idaho

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1922	May 8, 1922	-	5,480	1943	Apr. 5, 1943	-	2,560
1923	June 4, 1923	-	4,120	1944	Apr. 20, 1944	-	1,650
1924	Apr. 14, 1924	-	2,630	1945	June 11, 1945	-	2,010
1925	May 1, 1925	-	2,320				
				1946	Apr. 8, 1946	-	2,360
1926	Sept.24, 1926	-	1,580	1947	Sept.13, 1947	-	1,790
1927	June 30, 1927	-	1,670	1948	Apr. 19, 1948	-	2,180
1928	Apr. 2, 1928	-	1,990	1949	Apr. 16, 1949	-	1,750
1929	Apr. 14, 1929	-	1,690	1950	Apr. 17, 1950	-	3,240
1930	Aug. 8, 1930	-	1,450				
				1951	June 30, 1951	-	2,350
1931	Aug. 12, 1931	-	1,230	1952	May 5, 1952	-	2,650
1932	Apr. 15, 1932	-	1,720	1953	Oct. 6, 1952	-	1,810
1933	July 25, 1933	-	1,370	1954	July 7, 1954	-	1,750
1934	Aug. 1, 1934	-	1,220	1955	July 10, 1955	-	1,870
1935	Apr. 16, 1935	-	1,260				
				1956	Mar. 26, 1956	-	1,690
1936	Apr. 21, 1936	-	3,680	1957	May 20, 1957	-	2,300
1937	Apr. 23, 1937	-	1,680	1958	Apr. 17, 1958	-	2,160
1938	Apr. 14, 1938	-	1,750	1959	Apr. 5, 1959	-	1,350
1939	Mar. 23, 1939	-	1,770	1960	July 11, 1960	-	1,430
1940	June 29, 1940	-	1,490				
				1961	Aug. 4, 1961	6.73	3,280
1941	July 3, 1941	-	1,430	1962	Feb. 11, 1962	6.59	3,220
1942	Apr. 27, 1942	-	1,480	1963	Feb. 1, 1963	6.58	3,240

Note.--Only maximum daily discharges are shown prior to 1961.

875. Mink Creek below Dry Fork, near Mink Creek, Idaho

Location.--Lat 42°15'30", long 111°40'30", in NE¼NW¼ sec.33, T.13 S., R.41 E., on right bank 500 ft downstream from Dry Fork and 3 miles northeast of town of Mink Creek.

Drainage area.--19.3 sq mi. Mean altitude, 7,070 ft.

Gage.--Recording. Altitude of gage is 5,300 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 550 cfs. Shifting throughout the range in stage caused by high water nearly every year.

Remarks.--Mink Creek Canal began diverting above station in June 1950. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1947	May 8, 1947	3.25	415	1957	June 7, 1957	3.97	472
1948	May 29, 1948	3.65	600	1958	May 28, 1958	3.79	511
1949	May 18, 1949	3.40	373	1959	June 7, 1959	3.06	245
1950	June 2, 1950	3.68	548	1960	May 13, 1960	3.22	298
1951	May 27, 1951	3.68	461	1961	May 27, 1961	2.81	185
1952	June 3, 1952	3.64	438	1962	May 10, 1962	3.54	421
1956	May 25, 1956	3.77	506				

895. Mink Creek near Mink Creek, Idaho

Location.--Lat 42°12', long 111°46', in SE¼ sec.15, T.14 S., R.40 E., on left bank 1,000 ft upstream from Bear Hollow, 1¼ miles upstream from mouth, and 3 miles southwest of town of Mink Creek.

Drainage area.--58.7 sq mi.

Gage.--Recording except nonrecording June 7 to Sept. 7, 1948. Prior to Apr. 2, 1948, at site 700 ft downstream at different datum. Apr. 2 to June 6, 1948, at site half a mile downstream at different datum. Altitude of gage is 4,750 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	June 2, 1943	2.74	a413	1948	May 28, 1948	-	a413
1944	May 15, 1944	2.60	a340	1949	May 20, 1949	2.46	302
1945	June 10, 1945	3.06	a393	1950	June 2, 1950	3.25	a427
1946	May 7, 1946	3.12	a348	1951	May 12, 1951	2.68	331
1947	June 11, 1947	2.51	a283	1952	May 5, 1952	2.51	a334

a Maximum daily.

905. Bear River near Preston, Idaho
(Published as "at Battle Creek" prior to 1903)

Location.--Lat 42°10', long 111°51', in NW¼ sec.36, T.14 S., R.39 E., on left bank 600 ft downstream from headgates of West Cache Canal, 5 miles downfrom Mink Creek, 5 miles north of Preston, and 5½ miles upstream from Battle Creek.

Drainage area.--4,500 sq mi, approximately.

Gage.--Nonrecording prior to October 1917 at several sites within 5 miles downstream at different datums; recording thereafter. Altitude of gage is 4,540 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Natural flow of stream affected by storage reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas. Only annual peaks are shown (maximum observed prior to 1944).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1890	June 1, 1890	-	5,980	1907	June 9, 1907	-	a8,500
				1908	June 23, 1908	-	2,210
1891	May 22-25, 1891	-	3,030	1909	June 4, 1909	-	6,090
1892	June 8-12, 1892	-	5,260	1910	Mar. 15, 1910	-	6,380
1893	May 22-29, 1893, June 8-12, 1893	-	3,960				
				1911	Jan. 31, 1911	-	5,890
1894	May 31, June 1-5, 1894	-	7,980	1912	May 23, 1912	-	4,730
				1913	Apr. 7, 1913	-	5,600
1895	May 4, 1895	-	3,640	1914	May 21, 1914	-	4,920
				1915	Jan. 28, 1915	-	2,260
1896	June 11, 1896	-	6,000				
1897	May 27, 1897	-	6,100	1916	Mar. 26, 1916	-	2,770
1898	Apr. 24, 1898	-	3,480				
				1944	Mar. 9, 1944	4.82	2,850
1900	May 14, 1900	-	2,540	1945	June 11, 1945	5.38	3,800
1901	May 5,12, 1901	-	2,920	1946	Apr. 21, 1946	5.47	3,940
1902	June 16, 1902	-	2,340	1947	June 14, 1947	5.00	3,200
				1948	May 21, 1948	5.02	3,220
1904	June 3, 1904	-	5,050	1949	Jan. 10, 1949	5.07	3,300
1905	May 3, 1905	-	1,320	1950	Apr. 17, 1950	5.61	4,420
1906	June 6, 1906	-	4,650	1951	Dec. 28, 1950	4.96	3,130

a About.

Peak stages and discharges of Bear River near Preston, Idaho--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1952	May 5, 1952	5.32	3,990	1958	Apr. 12, 1958	4.67	3,060
1953	Dec. 19, 1952	4.72	3,020	1959	Apr. 4, 1959	4.41	2,710
1954	Jan. 27, 1954	4.65	2,920	1960	Aug. 10, 1960	4.60	2,960
1955	Apr. 14, 1955	4.62	2,990	1961	Nov. 2, 1960	4.57	2,920
1956	May 21, 1956	4.75	3,160	1962	Feb. 12, 1962	5.51	4,240
1957	May 20, 1957	4.95	3,450	1963	Feb. 1, 1963	5.11	3,600

915. Bear River near Weston, Idaho

Location.--Lat 42°01'50", long 111°55'15", in SW¼SE¼ sec.17, T.16 S.,R.39 E., at Weston-Fairview highway bridge and 3 miles east of Weston.

Drainage area.--4,480 sq mi, approximately.

Gage.--Recording. Altitude of gage is 4,430 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 4,000 cfs.

Remarks.--Natural flow of stream affected by storage reservoirs and power developments. Records since 1922 furnished by Utah Power & Light Co. Only annual maximum daily discharges are shown.

Maximum daily discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1920	May 26, 1920	-	3,540	1934	June 19, 1934	-	1,020
				1935	Apr. 17, 1935	-	1,230
1921	June 1921	-	4,300				
1922	May 8, 1922	12.1	a6,100	1936	Apr. 22, 1936	-	2,990
1923	June 4, 1923	-	4,260	1937	May 9, 1937	-	1,590
1924	Apr. 15, 1924	8.22	a3,470	1938	Apr26,27, 1938,	-	1,850
1925	May 2, 1925	-	2,420		May 1, 1938		
				1939	Mar. 24, 1939	-	1,950
1926	Jan. 5, 1926	-	1,810	1940	June 29, 1940	-	1,200
1927	June 30, 1927	-	1,730				
1928	Apr. 2, 1928	-	2,500	1941	July 3, 1941	-	1,160
1929	Apr. 14, 1929	-	2,680	1942	Apr. 28, 1942	-	1,720
1930	July 18, 1930	-	1,520	1943	Apr. 6, 1943	-	a2,210
				1944	Apr. 21, 1944	-	a1,650
1931	Aug. 6, 1931	-	1,400				
1932	Apr. 16, 1932	-	2,060				

a Momentary maximum.

930. Cub River near Preston, Idaho

Location.--Lat 42°08', long 111°41', in SW¼ sec.5, T.15 S., R.41 E., on right bank 0.2 mile upstream from headgates of Cub River-Worm Creek Canal, 0.7 mile upstream from forest boundary, and 10 miles east of Preston.

Drainage area.--19.4 sq mi.

Gage.--Recording. Altitude of gage is 5,320 ft (from topographic map).

Stage-discharge relation.--Defined by current-measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges of Cub River near Preston, Idaho

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1940	May 14, 1940	3.32	498	1951	May 26, 1951	3.32	633
				1952	May 30, 1952	3.21	571
1941	May 14, 1941	3.34	431				
1942	May 26, 1942	3.44	499	1956	May 25, 1956	3.29	695
1943	June 2, 1943	3.83	705	1957	June 7, 1957	3.39	715
1944	May 17, 1944	3.33	498	1958	May 25, 1958	3.20	692
1945	June 4, 1945	3.19	474	1959	June 7, 1959	2.57	415
				1960	May 13, 1960	2.74	505
1946	May 7, 1946	3.25	574				
1947	May 9, 1947	3.47	566	1961	May 26, 1961	2.33	331
1948	May 29, 1948	3.66	650	1962	May 9,10, 1962	2.85	555
1949	May 20, 1949	3.16	533	1963	May 24, 1963	2.60	442
1950	June 7, 1950	3.47	692				

960. Cub River above Maple Creek, near Franklin, Idaho

Location.--Lat 42°03', long 111°47', in SW¼ sec.9, T.16 S., R.40 E., or left bank 1½ miles upstream from Maple Creek and 2½ miles north of Franklin.

Drainage area.--53.7 sq mi.

Gage.--Nonrecording prior to Aug. 9, 1941; recording thereafter. Aug. 9, 1941, to June 29, 1951, at datum 1.0 ft higher. Altitude of gage is 4,500 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1940	May 13, 1940	3.16	a270	1947	May 6,11, 1947	3.83	521
				1948	May 20, 1948	4.03	585
1941	May 14, 1941	3.73	a449	1949	May 21, 1949	3.12	514
1942	May 26, 1942	3.90	565	1950	May 25, 1950	3.80	740
1943	June 2, 1943	4.34	617				
1944	May 17, 1944	4.18	578	1951	May 26, 1951	3.13	629
1945	June 6, 1945	3.80	505	1952	May 5, 1952	3.65	582
1946	Apr. 27, 1946	4.00	550				

a Maximum observed.

965. Maple Creek near Franklin, Idaho

Location.--Lat 42°02'30", long 111°45'00", in NW¼ sec.14, T.16 S., R.40 E., on left bank 30 ft downstream from Deep Creek and 3 miles east of Franklin.

Drainage area.--21.2 sq mi. Mean altitude, 6,840 ft.

Gage.--Nonrecording prior to Sept. 27, 1946; recording thereafter. Altitude of gage is 4,850 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Base for partial-duration series, 150 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges of Maple Creek near Franklin, Idaho

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1946	Apr. 19, 1946	2.40	a224	1950	Apr. 23, 1950	-	160
1947	May 4, 1947	2.36	160		May 18, 1950	3.15	315
					May 24, 1950	-	291
1948	Apr. 18, 1948	-	157				
	Apr. 22, 1948	-	153	1951	May 7, 1951	2.06	179
	May 7, 1948	-	167				
	May 17, 1948	2.88	229	1952	Apr. 27, 1952	2.60	228
1949	May 20, 1949	2.21	146				

a Maximum observed.

990. High Creek near Richmond, Utah

Location.--Lat 41°59', long 111°45', in SW¼SE¼ sec.5, T.14 N., R.2 E., on right bank at forest boundary, 2 miles downstream from North Fork and 5 miles northeast of Richmond.

Drainage area.--16.2 sq mi.

Gage.--Recording. Altitude of gage is 5,250 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1944	June 3, 1944	2.10	154	1949	May 19, 1949	2.29	228
1945	June 6, 1945	2.31	184	1950	May 24, 1950	2.31	250
1946	Apr. 26, 1946	2.15	169	1951	May 28, 1951	2.20	211
1947	May 7, 1947	2.26	207	1952	May 3, 1952	2.20	186
1948	May 19, 1948	2.34	242				

1050. East Fork Little Bear River near Avon, Utah

Location.--Lat 41°31', long 111°45', in NE¼ sec.17, T.9 N., R.2 E., 0.2 mile downstream from Porcupine Creek, 0.4 mile upstream from Pole Creek, and 4 miles east of Avon.

Drainage area.--50 sq mi. Mean altitude, 7,370 ft.

Gage.--Recording. Altitude of gage is 5,380 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1938	Apr. 25, 1938	3.25	276	1945	May 4, 1945	3.40	364
1939	Apr. 3, 1939	2.77	198				
1940	Apr. 15, 1940	2.23	110	1946	Apr. 18, 1946	5.30	960
				1947	Apr. 15, 1947	3.58	225
1941	Apr.28,29, 1941	2.43	146	1948	May 7, 1948	4.80	569
1942	Apr. 11, 1942	2.94	249	1949	Apr. 23, 1949	4.61	475
1943	Apr. 20, 1943	3.88	449	1950	Apr. 22, 1950	4.69	539
1944	May 6, 1944	2.98	274				

1060. 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., on right bank 1 mile upstream from backwater of Hyrum Reservoir, 2 miles northwest of Paradise, and 5 miles downstream from East Fork.

Drainage area.--203 sq mi. Mean altitude, 6,670 ft.

Gage.--Recording. Prior to Nov. 28, 1945, at site 150 ft upstream at different datum. Nov. 28, 1945, to May 19, 1952, at datum 1.50 ft higher. Altitude of gage is 4,680 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,200 cfs. Considerable shifting from unstable control.

Remarks.--Base for partial-duration series, 400 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1937	May 12, 1937	-	a699	1953	Apr. 28, 1953	2.20	435
1938	Apr. 23, 1938	-	a702		May 29, 1953	2.76	601
1939	Apr. 4, 1939	3.17	491		June 7, 1953	2.61	472
1940	Mar. 27, 1940	2.77	390	1954	Apr. 14, 1954	2.55	413
1941	Apr. 6, 1941	2.86	416				
1942	Apr. 5, 1942	3.88	720	1955	Apr. 17, 1955	3.45	780
1943	Apr. 20, 1943	3.77	640		May 6, 1955	3.83	724
1944	Apr. 29, 1944	3.06	457				
1945	June 6, 1945	4.86	852	1956	Dec. 23, 1955	6.03	1,830
					Jan. 16, 1956	5.20	1,090
1946	Apr. 19, 1946	5.15	926		Mar. 24, 1956	4.23	495
1947	Apr. 22, 1947	3.00	404	1957	Feb. 25, 1957	4.56	651
1948	Apr. 10, 1948	-	409		Apr. 6, 1957	4.65	645
	Apr. 17, 1948	-	745		Apr. 23, 1957	4.64	639
	Apr. 22, 1948	4.07	766		May 2, 1957	4.43	573
	Apr. 29, 1948	-	678		May 19, 1957	5.07	864
	May 7, 1948	-	757				
	May 20, 1948	-	678	1958	Apr. 20, 1958	4.84	707
					May 6, 1958	4.79	624
1949	Apr. 13, 1949	-	506				
	Apr. 20, 1949	4.22	796	1959	Apr. 27, 1959	4.44	438
	May 17, 1949	-	570	1960	Apr. 9, 1960	4.59	504
1950	Apr. 23, 1950	-	682				
	May 18, 1950	3.41	763	1961	Apr. 3, 1961	4.12	281
1951	Apr. 14, 1951	2.54	525	1962	Feb. 11, 1962	6.52	2,000
	Apr. 24, 1951	2.28	448		Apr. 26, 1962	5.07	810
	Apr. 29, 1951	2.77	647				
				1963	Feb. 1, 1963	-	(b)
1952	Apr. 8, 1952	2.78	710		Mar. 28, 1963	5.22	826
	Apr. 14, 1952	2.79	715		Apr. 7, 1963	4.74	450
	Apr. 19, 1952	3.15	925		May 26, 1963	4.75	474
	Apr. 27, 1952	4.31	1,390				

a Maximum daily.
b Annual maximum not determined.

1075. Little Bear River near Hyrum, Utah

Location.--Lat 41°38'00", long 111°53'00", in NE¼SW¼ sec.6, T.10 N., R.1 E., on left bank 2,000 ft upstream from road bridge, 1 mile downstream from Hyrum Dam, and 1½ miles west of Hyrum.

Drainage area.--222 sq mi.

Gage.--Recording. Prior to Nov. 9, 1949, at site 1,200 ft downstream at different datum. Altitude of gage is 4,520 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Hyrum Reservoir. Only annual peaks are shown.

Peak stages and discharges of Little Bear River near Hyrum, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1939	Mar. 25, 1939	3.38	421	1952	Apr. 30, 1952	4.54	986
1940	Apr. 16, 1940	2.49	199	1953	Apr. 24, 1953	-	a333
				1954	Apr. 17, 1954	-	a288
1941	Apr. 30, 1941	2.79	258	1955	May 2, 1955	-	a533
1942	Apr. 6, 1942	3.65	464				
1943	Apr. 23, 1943	3.89	528	1956	Dec. 26, 1955	-	a453
1944	Apr. 30, 1944	3.68	465	1957	May 23, 1957	3.26	559
1945	June 7, 1945	3.98	642	1958	Apr. 22, 1958	3.02	492
				1959	Apr. 27, 1959	2.26	280
1946	Apr. 20, 1946	4.55	885	1960	Apr. 11, 1960	2.45	335
1947	May 5, 1947	2.73	355				
1948	May 19, 1948	4.31	853	1961	Apr. 20, 1961	1.42	115
1949	May 19, 1949	3.97	882	1962	Apr. 19, 1962	3.54	702
1950	May 16, 1950	4.34	822	1963	Apr. 8, 1963	2.06	185
1951	May 13, 1951	3.35	524				

a Maximum daily.

1090. Logan River above State dam, near Logan, Utah
(Published as Logan River near Logan prior to 1913)

Location.--Lat 41°44'40", long 111°47'00", in NE¼ sec.36, T.12 N., R.1 E., on right bank at Logan plant of Utah Power & Light Co., 125 ft upstream from tailrace, half a mile upstream from State dam, and 2½ miles east of Logan.

Drainage area.--218 sq mi. Mean altitude, 7,460 ft.

Gage.--Nonrecording prior to May 7, 1913, at various sites within half a mile downstream below confluence of tailrace, at different datums; recording and concrete control thereafter. May 7 to Sept. 30, 1913, at various datums and Oct. 1, 1913, to Sept. 3, 1938, at datum about 2.3 ft lower than present datum. Altitude of gage is 4,680 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,000 cfs. Some shifting at all stages.

Remarks.--Only annual peaks are shown (maximum observed prior to 1915).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1896	June 6, 1896	-	1,900	1925	May 21, 1925	-	1,030
1897	May 20,21,1897	-	1,860				
1898	May 28, 1898	-	807	1926	May 5, 1926	-	651
1899	June 20, 1899	-	1,980	1927	May 18, 1927	-	1,110
1900	May 28, 1900	-	1,070	1928	May 25, 1928	-	1,140
				1929	May 25, 1929	-	1,060
1901	May 19,20,1901	-	1,480	1930	May 28, 1930	-	699
1902	June 4, 1902	-	1,370				
1903	June 12, 1903	-	1,270	1931	May 28, 1931	-	372
1904	May 24, 1904	-	1,420	1932	May 22, 1932	-	1,500
1905	June 6, 1905	-	690	1933	June 3, 1933	-	1,160
				1934	Apr. 25, 1934	-	332
1906	May 28, 1906	-	1,220	1935	May 28, 1935	-	896
1907	May 24, 1907	-	2,480				
1908	June 24, 1908	-	1,040	1936	May 15, 1936	-	1,630
1909	June 22, 1909	-	1,760	1937	May 30, 1937	-	1,030
1910	May 13, 1910	-	1,500	1938	May 17, 1938	-	1,150
				1939	May 5, 1939	-	643
1911	June 5, 1911	-	1,580	1940	May 14, 1940	-	617
1912	June 14, 1912	-	2,100				
1913	May 10, 1913	-	750	1941	May 23, 1941	-	693
1914	June 4, 1914	-	1,420	1942	May 26, 1942	-	696
1915	June 2, 1915	-	471	1943	June 1, 1943	-	1,190
				1944	May 16, 1944	-	721
1916	Mar. 21, 1916	-	2,100	1945	June 6, 1945	-	853
1917	June 10, 1917	-	1,180				
1918	June 8, 1918	-	875	1946	Apr. 30, 1946	-	1,030
1919	May 30, 1919	-	845	1947	May 11, 1947	-	997
1920	May 30, 1920	-	1,420	1948	May 28, 1948	-	1,320
				1949	May 18, 1949	-	1,080
1921	June 14, 1921	-	1,570	1950	May 31, 1950	-	1,540
1922	June 8, 1922	-	1,310				
1923	May 27, 1923	-	1,480	1951	May 28, 1951	-	1,460
1924	May 13, 1924	-	879	1952	May 30, 1952	-	1,060

Peak stages and discharges of Logan River above State dam, near Logan, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1953	June 15, 1953	-	1,010	1959	June 9, 1959	-	801
1954	May 22, 1954	-	619	1960	May 13, 1960	-	819
1955	May 23, 1955	-	839				
				1961	Mar. 21, 1961	1.68	158
1956	May 25, 1956	-	1,340	1962	May 9, 1962	3.93	900
1957	June 6, 1957	-	1,240	1963	Feb. 1, 1963	3.52	605
1958	May 27, 1958	-	1,300				

1120. Blacksmith Fork at Hardware Ranch, near Hyrum, Utah

Location.--Lat 41°37', long 111°37', in NE¼ sec.17, T.10 N., R.3 E., 0.6 mile upstream from South Cottonwood Canyon, 2.1 miles downstream from Rock Creek, and 12½ miles east of Hyrum.

Drainage area.--130 sq mi, approximately.

Gage.--Recording. Prior to Apr. 24, 1945, at site 0.9 mile upstream at different datum. Altitude of gage is 5,340 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1944	Apr. 22, 1944	2.32	141	1947	Mar. 16, 1947	2.62	202
1945	June 6, 1945	2.96	249	1948	Apr. 17, 1948	3.50	370
				1949	Apr. 20, 1949	2.97	262
1946	Apr. 18, 1946	4.08	488	1950	Apr. 13, 1950	3.11	297

1125. Blacksmith Fork at municipal powerplant, near Hyrum, Utah

Location.--Lat 41°37'40", long 111°41'20", in SE¼ sec.2, T.10 N., R.2 E., 200 ft downstream from Hyrum municipal powerplant, 1 mile above Left Fork, and 8½ miles east of Hyrum.

Drainage area.--153 sq mi.

Gage.--Recording. Prior to Apr. 7, 1931, at datum 2 ft lower. Altitude of gage is 5,150 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1930	Apr. 25, 1930	3.80	250	1933	May 22, 1933	1.93	235
				1934	Oct. 22, 1933	-	a80
1931	Nov. 16, 1930	1.23	133	1935	Apr. 22, 1935	1.92	241
1932	May 15, 1932	3.12	469				

a Maximum daily.

1135. Blacksmith Fork above Utah Power & Light Co.'s dam, near Hyrum, Utah

Location.--Lat 41°37'20", long 111°44'25", in NE¼ sec.8, T.10 N., R.2 E., on right bank three-quarters of a mile upstream from diversion dam, 3¼ miles upstream from powerplant of Utah Power & Light Co., and 6 miles east of Hyrum.

Drainage area.--260 sq mi. Mean altitude, 7,150 ft.

Gage.--Recording. Prior to Oct. 2, 1934, at site 1,000 ft upstream at different datum. Altitude of gage is 5,000 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,200 cfs. Some shifting at extremely high stage.

Remarks.--Base for partial-duration series, 140 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	Apr. 21, 1914	-	669	1949	Apr. 23, 1949	3.64	538
1915	Oct. 1, 1914	-	124		May 19, 1949	-	329
1916	Apr. 28, 1916	4.65	1,020	1950	Apr. 23, 1950	-	s25
1917	May 15, 1917	6.5	1,620		May 18, 1950	5.06	s56
1919	Apr. 24, 1919	-	289	1951	Apr. 20, 1951	4.23	622
1920	May 22, 1920	4.21	880		May 7, 1951	3.86	522
1921	May 5, 1921	4.85	975	1952	Apr. 29, 1952	6.16	1,150
1922	May 6, 1922	5.2	1,100		May 4, 1952	6.54	1,400
1923	May 10, 1923	-	a998				
1924	Apr. 23, 1924	-	a415	1953	Apr. 27, 1953	3.09	291
1925	Apr. 17, 1925	2.71	362		May 20, 1953	3.16	309
1926	Apr. 6, 1926	2.36	264	1954	Apr. 18, 1954	3.21	317
1927	May 2, 1927	3.90	738				
1928	Apr. 29, 1928	4.20	s42	1955	Feb. 27, 1955	bf.96	-
1929	May 9, 1929	3.08	467		May 7, 1955	3.69	457
1930	Apr. 25, 1930	2.28	244				
				1956	Dec. 24, 1955	4.08	572
1931	Oct. 22, 1930	1.69	115		Jan. 16, 1956	3.10	297
1932	May 14, 1932	4.10	787		Mar. 25, 1956	3.17	305
1933	May 22, 1933	2.70	346		Apr. 19, 1956	4.00	548
1934	Oct. 22, 1933	1.71	127				
1935	Apr. 22, 1935	2.88	328	1957	Feb. 25, 1957	2.93	255
					Mar. 10, 1957	2.53	155
1936	May 5, 1936	5.68	1,270		Apr. 6, 1957	3.03	281
1937	May 8, 1937	4.14	674		May 19, 1957	3.71	466
1938	Apr. 23, 1938	4.53	810				
1939	Mar. 22, 1939	2.31	208	1958	Apr. 18, 1958	3.42	377
1940	May 12, 1940	1.87	134		May 6, 1958	3.92	515
1941	May 4, 1941	1.68	106	1959	Apr. 7, 1959	2.82	223
1942	Apr. 14, 1942	2.27	201		Apr. 26, 1959	3.09	281
1943	Apr. 20, 1943	4.20	610				
1944	Apr. 30, 1944	2.43	238	1960	Mar. 26, 1960	2.99	260
1945	June 6, 1945	3.31	417		Apr. 10, 1960	3.22	318
					May 18, 1960	2.83	216
1946	Apr. 19, 1946	6.00	1,230				
1947	May 4, 1947	2.74	305	1961	Jan. 29, 1961	b3.62	-
					Apr. 19, 1961	2.39	115
1948	Apr. 2, 1948	-	205				
	Apr. 22, 1948	-	408	1962	Feb. 12, 1962	3.44	377
	Apr. 29, 1948	-	522		Mar. 27, 1962	3.17	294
	May 8, 1948	4.48	759		Apr. 20, 1962	4.94	830
	May 18, 1948	-	612				
				1963	Feb. 1, 1963	3.88	524
1949	Mar. 19, 1949	-	164		Mar. 28, 1963	2.99	266
	Apr. 12, 1949	-	284		May 10, 1963	3.03	271

a Maximum daily.
b Backwater from snow or ice.

1145. Blacksmith Fork below Utah Power & Light Co.'s plant, near Hyrum, Utah
(Published as "Blacksmith Fork at Hyrum" 1900-1902 and as "near Hyrum" 1904-10)

Location.--Lat 41°37'40", long 111°48'00", in S½ sec.2, T.10 N., R.1 E., 600 ft downstream from intake of Hyrum City power canal, 700 ft downstream from Utah Power & Light Co.'s tailrace, and 2½ miles east of Hyrum.

Drainage area.--286 sq mi.

Gage.--Nonrecording prior to Jan. 1, 1903, at site 1,300 ft upstream above diversions, and May 16, 1904, to Dec. 31, 1910, at site 200 ft upstream, both at different datums; recording thereafter. Altitude of gage is 4,740 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1902	Oct.28,29,1901	-	a293	1910	Apr.9-12, 1910	-	a652
1905	May 24 to June 5, 1905	-	a282	1914	Apr. 22, 1914	-	537
				1915	Oct. 5, 1914	-	172
1906	May 29-31,1906	-	a392	1916	Apr. 28, 1916	-	929
1907	Apr. 16, 1907	-	a1,900				
1908	June 19,20,1908	-	a266				

a Maximum observed.

1155. Clarkston Creek near Newton, Utah

Location.--Lat 41°54', long 111°58', in SE¼ sec.5 T.13 N., R.1 W., 500 ft downstream from Newton Dam and 2½ miles north of Newton.

Drainage area.--43 sq mi, approximately.

Gage.--Recording and nonrecording prior to Apr. 11, 1946, at several sites within 1.5 miles at different datums; nonrecording in concrete outlet flume thereafter. Altitude of gage is 4,700 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Newton Dam. Diversions above station for irrigation of several hundred acres above and below station. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1939	Mar. 23, 1939	-	a70	1944	July 2-5, 1944	1.42	b23
1940	Apr. 4, 1940	-	28	1945	Mar.18-22,1945	1.90	b76
1941	Mar. 2, 1941	-	119	1946	Dec. 30, 1945	-	b282
1942	Aug.5,6, 1942	-	a69	1947	July 12, 1947	-	a40
1943	Feb. 23, 1943	3.10	b261				

a Maximum daily.
b Maximum observed.

1180. Bear River near Collinston, Utah
(Published as "at Collinston" prior to 1900)

Location.--Lat 41°50', long 112°03', in NW¼SE¼ sec.27, T.13 N., R.2 W., on right bank 800 ft downstream from Cutler Plant of Utah Power & Light Co., 2,000 ft downstream from Cutler Dam, and 5½ miles north of Collinston.

Drainage area.--6,000 sq mi, approximately.

Gage.--Nonrecording prior to Nov. 8, 1913; recording thereafter. Prior to Sept. 10, 1938, at site three-quarters of a mile downstream at different datums. Datum of gage is 4,276.13 ft above mean sea level (levels by Bureau of Reclamation).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Natural flow of stream affected by storage reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas. Only annual peaks are shown (maximum observed 1890-1913; maximum daily 1927-35).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1890	May 10, 1890	-	8,220	1926	Apr. 9, 1926	-	3,380
				1927	Feb. 22, 1927	-	4,310
1891	Apr.28,29, 1891, May 25-27, 1891	-	5,000	1928	Mar. 25, 1928	-	4,210
				1929	Mar.12,13, 1929	-	4,000
1892	May 31, 1892, June 1, 1892	-	6,260	1930	Feb. 20, 1930	-	3,100
1893	May 22, 1893	-	6,470	1931	Mar. 11, 1931	-	1,720
1894	June 3-5, 1894	-	7,770	1932	May 16, 1932	-	4,550
1895	May 11, 1895	-	4,990	1933	May 28, 1933	-	3,410
				1934	Dec. 21, 1933	-	1,640
1896	June 14,15, 1896	-	7,420	1935	May 29, 1935	-	2,920
1897	May 23-26, 1897	-	10,600				
1898	June 2-5, 1898	-	5,320	1936	Apr. 26, 1936	-	7,260
1899	June 15,22-27, 29,30, July 1	-	6,640	1937	May 12,13, 1937	-	5,330
				1938	Apr. 28, 1938	-	5,520
1900	May 14,15, 1900	-	4,650	1939	Mar.22-23, 1939	-	3,940
				1940	Jan. 17, 1940	-	3,610
1901	May 6,19,21	-	4,950				
1902	June 2,3, 1902	-	3,340	1941	Feb. 21, 1941	-	3,610
1903	Mar.16,17, 1903	-	4,500	1942	May 25, 1942	-	3,890
1904	May 25-28, 1904	-	6,700	1943	Apr. 23, 1943	-	4,830
1905	May 4, 1905	-	2,760	1944	(a)	-	3,650
				1945	June 10, 1945	-	6,210
1906	June 2, 1906	-	7,080				
1907	June 11, 1907	-	10,200	1946	Apr. 21, 1946	-	7,160
1908	June 20, 1908	-	5,470	1947	(b)	-	3,760
1909	June 7-10, 1909	7.70	11,600	1948	May 5, 1948	4.92	3,900
1910	Mar. 18, 1910	-	7,800	1949	May 24,25, 1949	4.86	3,840
				1950	June 13, 1950	6.76	6,790
1911	Feb. 2, 1911	-	8,800				
1912	June 17, 1912	-	6,380	1951	Feb. 11, 1951	5.94	5,410
1913	Apr. 10, 1913	-	6,250	1952	May 1, 1952	6.88	7,020
1914	May 27, June 6, 1914	-	6,580	1953	June 10, 1953	-	3,510
				1954	Apr10,16, 1954	-	2,210
1915	Feb. 11, 1915	-	2,610	1955	May 10, 1955	-	2,880
1916	Mar. 23, 1916	-	6,340	1956	Dec. 28, 1955	-	3,820
1917	May 19, 1917	-	8,170	1957	May 23, 1957	5.50	4,920
1918	Mar. 13, 1918	-	4,650	1958	Apr.23,24, 1958	4.78	3,820
1919	Apr. 1, 1919	-	3,840	1959	Apr. 16, 1959	4.67	3,640
1920	May 25, 1920	-	6,510	1960	Jan. 22, 1960	4.75	3,780
1921	June 16, 1921	-	6,760	1961	Nov. 2, 1960	4.72	3,730
1922	May 10, 1922	-	10,100	1962	Feb. 14, 1962	8.23	9,710
1923	June 2, 1923	-	6,060	1963	May 13, 1963	4.83	3,900
1924	Apr. 16, 1924	-	4,870				
1925	Feb. 5, 1925	-	4,280				

a Many times in May and June 1944.
b Several days in June 1947.
Note.--Discharges are maximum observed 1890-1913, maximum daily 1927-35.

1190. Little Malad River above Elkhorn Reservoir, near Malad City, Idaho
(Published as Little Malad River near Malad 1911-13, and as Little Malad River above Elkhorn Reservoir near Malad 1931-32, 1940-48)

Location.--Lat 42°20', long 112°26', on line between secs. 35 and 36, T.12 S., R.34 E., on left bank three-quarters of a mile upstream from highway bridge, 2 miles downstream from Wright Creek, 2½ miles downstream from sprirgs, 2½ miles upstream from Elkhorn Dam, and 14 miles northwest of Malad City.

Drainage area.--120 sq mi, approximately. Mean altitude, 6,080 ft.

Gage.--Nonrecording at different datums prior to Dec. 5, 1940; recording and Cippoletti weir thereafter. Altitude of gage is 5,050 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements below 70 cfs and extended above on basis of weir computation at gage height 3.63 ft and slope-area measurement at 1,450 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1912	Aug. 2, 1912	-	a61	1951	Aug. 4, 1951	1.65	78
1913	Apr. 1, 1913	-	61	1952	July 30, 1952	1.52	70
				1953	Jan. 18, 1953	.90	32
1932	Apr. 12, 1932	-	a21	1954	June 27, 1954	1.89	95
				1955	July 24, 1955	3.63	351
1941	Mar. 17, 1941	2.17	118				
1942	Apr. 4, 1942	2.28	126	1956	Mar. 24, 1956	1.83	91
1943	Mar. 8, 1943	1.44	63	1957	Feb. 23, 1957	3.23	259
1944	Mar. 30, 1944	2.15	116	1958	Mar. 21, 1958	2.19	118
1945	Aug. 14, 1945	1.97	100	1959	Mar. 17, 1959	1.29	56
				1960	July 31, 1960	3.19	255
1946	Aug. 23, 1946	2.91	197				
1947	Feb. 13, 1947	2.94	199	1961	Aug. 25, 1961	2.32	130
1948	Feb. 22, 1948	3.26	270	1962	Feb. 10, 1962	4.85	1,450
1949	May 15, 1949	2.31	130	1963	Jan. 31, 1963	4.41	1,100
1950	Feb. 25, 1950	1.75	84				

a Maximum daily.

1200. Little Malad River below Elkhorn Reservoir, near Malad City, Idaho
(Published as "near Malad" prior to 1949)

Location.--Lat 42°18', long 112°25', in sec.7, T.13 S., R.35 E., on left bank just downstream from Elkhorn Dam, 4½ miles downstream from Wright Creek and 11½ miles northwest of Malad City.

Drainage area.--153 sq mi.

Gage.--Recording. Prior to Sept. 6, 1941, at weir 50 ft upstream at datum 4.36 ft higher. Altitude of gage is 4,970 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements below 50 cfs and extended above on basis of computation of flow over weir.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1941	Aug. 10, 1941	-	34	1947	Feb. 20, 1947	2.30	52
1942	June 8, 1942	1.90	44	1948	May 18, 1948	3.43	108
1943	Aug. 30, 1943	2.06	52	1949	July 29, 1949	-	60
1944	June 18, 1944	2.66	66	1950	July 8, 1950	2.26	52
1945	June 9, 1945	2.34	52				
				1951	Oct. 21, 1950	3.34	106
1946	Aug. 23, 1946	3.50	113	1952	Apr. 22, 1952	4.72	54

1205. Little Malad River below Sand Ridge damsite, near Malad City, Idaho
(Published as "near Malad" prior to 1949)

Location.--Lat 42°12', long 112°20', in SE¼ sec.14, T.14 S., R.35 E., on right bank 0.6 mile below proposed Sand Ridge damsite, 1½ miles below unnamed tributary, 3½ miles west of Malad City, and 9 miles downstream from Elkhorn Reservoir.

Drainage area.--223 sq mi.

Gage.--Recording. Altitude of gage is 4,560 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements below 30 cfs and extended above on basis of submerged-orifice computation at 240 cfs.

Remarks.--Diversions upstream from station for irrigation of about 4,000 acres. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1946	Mar. 20, 1946	3.92	25	1950	(a)	2.91	14
1947	Feb. 13, 1947	5.1	54				
1948	Feb. 22, 1948	9.6	240	1951	Feb. 10, 1951	-	b8.0

a Nov. 27-29, Dec. 1-3, 5-7, 1949.
b Maximum daily.

1215. Malad River below springs, near Malad City, Idaho
(Published as "near Malad" 1932-47)

Location.--Lat 42°13', long 112°22', in sec.10, T.14 S., R.35 E., half a mile downstream from springs which form river, 1 3/8 miles upstream from Samaria Dam, and 5¾ miles northwest of Malad City.

Drainage area.--3.3 sq mi, approximately. Flow derived almost entirely from springs.

Gage.--Nonrecording prior to Jan. 27, 1941; recording thereafter. Prior to Nov. 24, 1940, at site 1¼ miles downstream at different datum. Altitude of gage is 4,700 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements below 17 cfs and extended above on basis of weir computation at 40 cfs.

Bankfull stage.--Not subject to overflow.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1932	Apr. 13, 1932	-	13	1944	Mar. 17, 1944	-	16
				1945	July 19, 1945	1.81	18
1941	Aug. 18, 1941	1.84	19				
1942	May 6-24, 1942	-	14	1946	Feb. 28, 1946	1.91	20
1943	(a)	-	16	1947	July 21, 1947	2.90	40

a Apr. 20-28, 30, May 3, 4, 1943.

1220. Malad River near Samaria, Idaho

Location.--Lat 42°08', long 112°20', in sec.11, T.15 S., R.35 E., at Lewis Waldron Ranch, a quarter of a mile upstream from bridge on Malad-Samaria highway, three-eighths of a mile downstream from intake for Gwenford Mill ditch, and 1½ miles north of Samaria.

Drainage area.--31 sq mi, approximately.

Gage.--Nonrecording prior to Jan. 29, 1941; recording thereafter. Altitude of gage is 4,420 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements below 20 cfs.

Bankfull stage.--4.5 ft.

Remarks.--Flow regulated by Samaria Reservoir. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1941	Aug. 17, 1941	2.19	64	1944	Mar. 10, 1944	-	20
1942	Aug. 25, 1942	1.85	48	1945	Feb. 2, 1945	2.06	49
1943	Jan. 23, 1943	3.46	147				

1225. Devil Creek above Campbell Creek, near Malad City, Idaho
(Published as "near Malad" prior to 1949)

Location.--Lat 42°18', long 112°12', in sec.12, T.13 S., R.36 E., on right bank 0.6 mile upstream from proposed dam, 1.3 miles upstream from highway crossing of Campbell Creek, 4.5 miles upstream from Evans dividers, and 7½ miles northeast of Malad City.

Drainage area.--13 sq mi, approximately. Mean altitude, 6,01- ft.

Gage.--Nonrecording prior to Dec. 16, 1943; recording thereafter. Prior to Aug. 23, 1954, at site 50 ft upstream at datum 1.84 ft higher. Altitude of gage is 5,150 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements below 216 cfs and extended above on basis of slope-area measurement at 194 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1939	Mar. 25, 1939	1.54	a79	1951	Apr. 5, 1951	1.65	81
1940	Mar. 27, 1940	1.65	90	1952	Apr. 19, 1952	2.38	158
				1953	Apr. 28, 1953	1.14	25
1941	Apr. 14, 1941	1.16	a42	1954	Mar. 9, 1954	1.10	24
1942	Apr.7,8, 1942	1.28	a65	1955	Aug. 25, 1955	2.27	27
1943	Apr. 2, 1943	2.10	a160				
1944	June 9, 1944	1.20	56	1956	May 24, 1956	3.23	142
1945	June 6, 1945	1.17	57	1957	May 19, 1957	2.79	95
				1958	Apr. 15, 1958	2.06	34
1946	Mar. 30, 1946	1.40	86	1959	Apr. 2, 1959	2.10	30
1947	Aug. 8, 1947	1.44	85	1960	Apr. 3, 1960	2.27	31
1948	Apr. 2, 1948	1.30	72				
1949	Apr. 11, 1949	1.37	80	1961	Aug. 25, 1961	3.65	194
1950	Apr. 7, 1950	1.40	78				

a Maximum observed.

1230. Devil Creek above Evans dividers, near Malad City, Idaho
(Published as "near Malad" prior to 1949)

Location.--Lat 42°15', long 112°13', in sec.35, T.13 S., R.36 E., at Evans Ranch, 900 ft upstream from Evans dividers, 3.1 miles downstream from Campbell Creek, and 3.6 miles northeast of Malad City.

Drainage area.--36 sq mi, approximately.

Gage.--Recording. Prior to June 11, 1942, at site 400 ft downstream at datum about 0.13 ft higher. June 11, 1942, to Dec. 14, 1943, at present site at datum about 0.2 ft higher. Altitude of gage is 4,900 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements.

Bankfull stage.--6 ft.

Remarks.--Diversions for irrigation of 600 to 800 acres upstream from station. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1941	Aug. 17, 1941	2.15	100	1949	Apr. 8, 1949	-	81
1942	Apr. 8, 1942	1.65	78	1950	Apr. 7, 1950	-	93
1943	Mar. 30, 1943	5.29	220				
				1951	Apr. 5, 1951	4.18	112
1947	Mar. 16, 1947	3.87	116	1952	Apr. 19, 1952	5.79	261
1948	Apr. 2, 1948	4.26	151				

1235. Devil Creek near Malad City, Idaho
(Published as "near Malad" 1932-40)

Location.--Lat 42°13', long 112°17', in sec.8, T.14 S., R.36 E., 400 ft downstream from damsite for proposed reservoir, half a mile northeast of St. John, 2½ miles northwest of Malad City, and 9 miles upstream from mouth.

Drainage area.--39 sq mi, approximately.

Gage.--Nonrecording. Prior to Oct. 10, 1936, weir at site 180 ft downstream at different datum; wooden weir with Cippoletti notch at last used site thereafter. Altitude of gage is 4,695 ft (from river-profile survey).

Stage-discharge relation.--Defined by current-meter measurements below 30 cfs.

Bankfull stage.--3.5 ft, site and datum used after Oct. 10, 1936.

Remarks.--Flow regulated by Evans dividers (an irrigation diversion works) 3 miles upstream from station. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1932	(a)	-	b18	1936	Aug. 17, 1936	-	60
1933	Apr.18,May 6, 1933	-	b20	1937	Apr. 15, 1937	-	b29
				1938	Apr. 20, 1938	1.24	b28
1934	Aug. 30, 1934	-	b5.5	1939	Mar. 26, 1939	1.23	b28
1935	Apr. 9, 1935	-	b16	1940	Mar. 27, 1940	.99	b17

a Apr. 5, 12, May 5, 1932.
b Maximum observed.

1250. Deep Creek below First Creek, near Malad City, Idaho
(Published as "near Malad" 1932-48)

Location.--Lat 42°14', long 112°11', in sec.7, T.14 S., R.37 E., just downstream from site of proposed reservoir, 1 mile north and 3½ miles east of Malad City, and 12 miles upstream from mouth.

Drainage area.--32 sq mi, approximately.

Gage.--Nonrecording and wooden weir prior to Dec. 16, 1940, at sites within 40 ft downstream at different datums; recording gage and wooden control thereafter. Altitude of gage is 5,074 ft (from river-profile survey).

Stage-discharge relation.--Defined by current-meter measurements below 40 cfs.

Remarks.--Flow regulated at times by reservoir (capacity, 261 acre-ft) 2½ miles upstream. Only annual peaks are shown (maximum observed prior to 1942).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1932	May 14, 1932	-	64	1941	Aug. 17, 1941	2.38	103
1933	May 22, 1933	-	34	1942	May 16, 1942	1.84	62
1934	Apr. 6, 1934	-	5.5	1943	July 21, 1943	3.05	125
1935	Apr. 30, May 30, 1935	-	23	1944	June 9, 1944	2.4	76
				1945	June 9, 1945	2.33	61
1936	Apr. 18, 1936	-	113	1946	Apr. 19, 1946	2.94	85
1937	July 8, 1937	-	172	1947	Mar. 10, 1947	2.68	46
1938	May 1, 1938	-	40.8	1948	Apr. 2, 1948	2.76	60
1939	Mar. 27, 31, 1939	1.20	25				
1940	(a)	1.10	21				

a May 11, 14, June 15, 1940.

1255. Malad River at Woodruff, Idaho

Location.--Lat 42°02', long 112°14', in sec.15, T.16 S., R.36 E., on downstream left abutment of highway bridge at Woodruff, 2½ miles north of Idaho-Utah State line.

Drainage area.--485 sq mi, approximately. Mean altitude, 5,650 ft.

Gage.--Nonrecording prior to Sept. 30, 1960; recording thereafter. Prior to Mar. 6, 1951, at site 300 ft downstream at datum 0.27 ft lower. Altitude of gage is 4,355 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Some regulation by several small reservoirs above station. Diversions above station for irrigation of 25,000 to 30,000 acres. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1939	Mar. 20, 21, 1939	6.70	a360	1952	Apr. 7, 1952	6.7	389
1940	Feb. 5, 1940	4.80	a199	1953	Jan. 20, 1953	6.24	312
				1954	Mar. 10, 1954	4.95	223
1941	Mar. 2, 1941	6.70	a360	1955	Mar. 12, 1955	4.40	180
1942	Apr. 1, 1942	6.40	a341				
1943	Jan. 22, 1943	8.0	650	1956	Mar. 11, 13, 21, 1956	4.50	185
1944	Mar. 19, 1944	5.00	a223				
1945	Feb. 15, 1945	6.58	a348	1957	May 21, 1957	4.77	206
				1958	Feb. 26, 1958	5.18	238
1946	Dec. 29, 1945	6.99	a490	1959	Feb. 23, 1959	4.40	172
1947	Mar. 12, 1947	5.26	a250	1960	Mar. 10, 1960	-	b230
1948	Feb. 23, 1948	7.80	628				
1949	Mar. 18, 20, 21, 1949	6.20	a375	1961	Feb. 12, 1961	2.95	84
				1962	Feb. 12, 1962	8.93	2,530
1950	Feb. 27, 1950	5.94	a340	1963	Feb. 2, 1963	5.02	243
1951	Feb. 10, 1951	7.0	490				

a Maximum observed.
b Maximum daily.

1260. Bear River near Corinne, Utah

Location.--Lat 41°34'35", long 112°06'00", in SW¼NE¼ sec.30, T.10 N., R.2 W., on right bank 1.2 miles downstream from Salt Creek, 2.0 miles northeast of Corinne, and 2.8 miles downstream from Malad River.

Drainage area.--6,800 sq mi, approximately.

Gage.--Recording. Auxiliary nonrecording 7,800 ft downstream July 27, 1950, to Nov. 21, 1955. Datum of gage is 4,204.6 ft, unadjusted.

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Natural flow of stream affected by storage reservoirs, power developments, and diversions for irrigation. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	Apr. 23, 1950	13.36	5,920	1954	Apr. 16, 1954	8.11	2,570
				1955	Apr. 20, 1955	8.91	2,850
1951	Feb. 11, 1951	14.83	7,180				
1952	May 3, 1952	14.69	7,200	1956	Dec. 29, 1955	10.67	4,130
1953	June 11, 1953	9.97	3,510	1957	May 26, 1957	12.23	5,080

WEBER RIVER BASIN

1285. Weber River near Oakley, Utah

Location.--Lat 40°44'10", long 111°14'45", in SE¼NE¼ sec.15, T.1 S., R.6 E., on right bank 1.4 miles downstream from South Fork, 2.6 miles upstream from Weber-Provo diversion canal, and 3¼ miles northeast of Oakley.

Drainage area.--163 sq mi. Mean altitude, 9,090 ft.

Gage.--Nonrecording prior to Oct. 25, 1933, at site a quarter of a mile downstream at different datum; recording thereafter. Oct. 25, 1933, to Aug. 29, 1955, at datum 0.5 ft higher. Altitude of gage is 6,600 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 2,000 cfs. Considerable shifting at extremely high stages.

Remarks.--Base for partial-duration series, 1,200 cfs. Only annual peaks are shown prior to 1935 (maximum observed prior to 1934).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1905	June 8, 1905	7.0	1,580	1926	May 21, 1926	7.3	1,610
				1927	June 8, 1927	7.5	1,790
1906	June 13, 1906	8.0	2,480	1928	May 29, 1928	7.7	1,970
1907	July 6, 1907	8.5	3,500	1929	May 25, 1929	7.2	1,710
1908	June 15, 1908	7.5	2,110	1930	May 30, 1930	7.0	1,510
1909	June 6, 1909	8.5	3,500				
1910	June 1, 1910	6.9	1,790	1931	May 17, 1931	6.40	990
				1932	June 15, 1932	7.70	2,200
1911	June 13, 1911	7.3	2,080	1933	June 14, 1933	7.70	2,200
1912	June 9, 1912	8.4	3,370	1934	May 9, 1934	2.96	610
1913	May 26, 1913	6.8	1,690				
1914	June 3, 1914	7.4	2,310	1935	June 13, 1935	4.60	3,190
1915	June 11, 1915	6.3	1,230		June 20, 1935	3.59	1,540
1916	June 13, 1916	7.0	1,940	1936	May 15, 1936	3.80	1,820
1917	June 18, 1917	8.0	2,760		May 20, 1936	3.72	1,700
1918	June 14, 1918	7.6	2,110		May 30, 1936	4.14	2,370
1919	May 29, 1919	7.0	1,580		June 13, 1936	3.36	1,200
1920	June 8,9, 1920	7.8	2,340				
				1937	May 18, 1937	3.80	1,910
1921	June 13, 1921	9.0	4,170				
1922	June 8, 1922	8.3	2,930	1938	May 16, 1938	3.52	1,320
1923	June 12, 1923	7.8	2,060		May 29, 1938	3.85	1,760
1924	May 19, 1924	6.9	1,290		June 6, 1938	4.08	2,100
1925	May 21,22,28, 29, 1925	6.9	1,290				
				1939	May 5, 1939	3.03	822

Peak stages and discharges of Weber River near Oakley, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1940	May 17, 1940	3.39	1,180	1952	May 4, 1952	3.53	1,600
					May 15, 1952	3.43	1,580
1941	June 18, 1941	3.34	1,160		June 7, 1952	3.96	2,280
1942	-	3.8	1,900	1953	June 14, 1953	4.12	2,540
	May 26, 1942	3.39	1,350				
	June 11, 1942	3.67	1,720	1954	May 21, 1954	3.01	1,260
1943	June 1, 1943	3.55	1,560	1955	May 22, 1955	2.77	1,450
					June 9, 1955	2.84	1,550
1944	May 16, 1944	3.53	1,530				
	June 2, 1944	3.52	1,520	1956	May 23, 1956	3.39	1,770
	June 10, 1944	3.38	1,340		June 2, 1956	3.55	1,940
	June 26, 1944	3.56	1,570				
				1957	June 7, 1957	3.93	2,560
1945	June 22, 1945	3.26	1,200		June 28, 1957	3.63	1,600
1946	June 6, 1946	3.42	1,460	1958	May 27, 1958	3.57	1,740
					June 7, 1958	3.41	1,370
1947	May 8, 1947	3.38	1,340				
	June 8, 1947	3.27	1,210	1959	June 8, 1959	3.22	1,240
					June 16, 1959	3.17	1,290
1948	May 20, 1948	3.76	1,890				
	June 1, 1948	3.70	1,800	1960	June 3, 1960	3.14	1,350
1949	May 29, 1949	3.46	1,470	1961	May 28, 1961	2.45	862
	June 13, 1949	3.68	1,760				
				1962	May 10, 1962	3.05	1,250
1950	June 1, 1950	4.07	2,140		June 14, 1962	3.35	1,490
	June 7, 1950	3.87	1,820		June 21, 1962	3.42	1,560
	June 22, 1950	3.92	2,000				
				1963	May 23, 1963	2.84	1,140
1951	May 29, 1951	4.24	2,510				

1293. Weber River near Peoa, Utah

Location.--Lat 40°45'10", long 111°22'20", in SE¼NW¼ sec.10, T.1 S., R.5 E., on left bank 60 ft downstream from bridge on U.S. Highway 189, 2.4 miles north of Peoa, and 3.2 miles upstream from Wanship Dam.

Drainage area.--285 sq mi, approximately.

Gage.--Recording and concrete control. Altitude of gage is 6,050 ft (from Bureau of Reclamation Rockport Reservoir map).

Stage-discharge relation.--Defined by current-meter measurements below 1,800 cfs.

Remarks.--Records do not include water diverted from Weber River basin through Weber-Provo diversion canal. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1957	June 7, 1957	3.37	2,110	1961	Mar. 15, 1961	2.59	579
1958	June 8, 1958	3.17	1,230	1962	Feb. 11, 1962	3.25	1,350
1959	June 16, 1959	3.18	1,250	1963	May 30, 1963	2.86	813
1960	June 2, 1960	2.87	932				

1295. Weber River near Wanship, Utah

Location.--Lat 40°47'30", long 111°24'15", in center sec.29, T.1 N., R.5 E., on left bank 1.2 miles south of Wanship and 1¼ miles upstream from Silver Creek.

Drainage area.--320 sq mi, approximately.

Gage.--Recording. Altitude of gage is 5,900 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Many diversions above station for irrigation. Records do not include water diverted from Weber River basin through Weber-Provo diversion canal. Flow regulated by Rockport Reservoir, formed by Wanship dam, completed in 1957 (usable capacity, 60,000 acre-ft). Base for partial-duration series, 1,200 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1951	May 30, 1951	4.73	2,340	1954	May 22, 1954	3.64	1,280
	June 17, 1951	4.07	1,550	1955	May 23, 1955	4.13	1,320
1952	May 5, 1952	4.71	2,240				
	May 15, 1952	4.18	1,800	1957	July 3, 1957	2.69	a578
	May 21, 1952	3.95	1,600				
	June 7, 1952	4.47	2,100	1958	Apr.15-18,1958	2.90	749
1953	June 14, 1953	4.20	1,830				

a Maximum during period April to September.

1300. Silver Creek near Wanship, Utah

Location.--Lat 40°45'25", long 111°28'15", in SW¼SW¼ sec.2, T.1 S., R.4 E., 1.3 miles upstream from Tollgate Canyon, 5 miles southwest of Wanship, and 5¾ miles upstream from mouth.

Drainage area.--28 sq mi, approximately. Mean altitude, 7,100 ft.

Gage.--Recording. Altitude of gage is 6,400 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 150 cfs. Considerable shifting at most stages.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1942	Apr. 4, 1942	4.28	430	1945	Apr. 19, 1945	2.75	134
1943	Mar. 28, 1943	3.56	272				
1944	Apr. 4, 1944	3.76	334	1946	Mar. 30, 1946	2.80	134

1305. Weber River near Coalville, Utah

Location.--Lat 40°53'40", long 111°24'00", in SE¼NE¼ sec.20, T.2 N., R.5 E., on left bank 1½ miles upstream from high-water line of Echo Reservoir, 1½ miles south of Coalville, and 6 miles downstream from Silver Creek.

Drainage area.--438 sq mi.

Gage.--Nonrecording prior to Mar. 22, 1931, at different site and datum; recording thereafter. Mar. 22, 1931, to Sept. 30, 1952, at datum 1 ft higher. Altitude of gage is 5,600 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Many diversions above station for irrigation. No diversion between station and Echo Reservoir. Flow slightly regulated by several small reservoirs above station, and since Apr. 1, 1957, by Rockport Reservoir (usual capacity 60,000 acre-ft). Only annual peaks are shown (maximum observed prior to 1931).

Peak stages and discharges of Weber River near Coalville, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1927	June 10, 1927	4.00	1,580	1946	Apr. 27, 1946	2.83	781
1928	May 29, 1928	4.10	1,650	1947	May 8, 1947	3.85	1,320
1929	June 17, 1929	4.30	1,960	1948	May 20, 1948	4.14	1,610
1930	May 30, 1930	3.16	1,170	1949	June 13, 1949	3.87	1,450
				1950	June 2, 1950	3.98	1,690
1931	May 17, 1931	2.32	649				
1932	May 22, 1932	4.00	1,780	1951	May 29, 1951	4.08	2,110
1933	June 14, 1933	3.86	1,670	1952	May 6, 1952	3.59	2,190
1934	May 9, 1934	2.00	490	1953	June 14, 1953	4.36	1,510
1935	June 13, 1935	4.23	1,800	1954	May 22, 1954	3.82	1,200
				1955	May 24, 1955	3.36	956
1936	May 15, 1936	4.15	1,740				
1937	May 30, 1937	4.15	1,740	1956	May 25, 1956	3.78	1,180
1938	June 6, 1938	4.18	1,660	1957	Oct. 20, 1956	3.38	960
1939	Mar. 22, 1939	3.43	1,170	1958	Apr. 18, 1958	3.29	930
1940	May 17, 1940	3.18	988	1959	June 28, 1959	2.80	708
				1960	June 7, 1960	2.34	458
1941	June 10, 1941	4.07	1,560				
1942	May 27, 1942	3.82	1,380	1961	June 23, 1961	1.89	284
1943	June 2, 1943	4.08	1,720	1962	July 1, 1962	2.98	725
1944	June 3, 1944	4.17	1,630	1963	Feb. 1, 1963	2.17	390
1945	May 12, 1945	2.88	792				

1310. Chalk Creek at Coalville, Utah

Location.--Lat 40°55'10", long 111°24'00", in NE¼SE¼ sec.8, T.2 N., R.5 E., on left bank 100 ft downstream from bridge on U.S. Highway 189 in Coalville and a third of a mile upstream from mouth.

Drainage area.--253 sq mi, Mean altitude, 7,540 ft.

Gage.--Nonrecording prior to Feb. 13, 1931, at site 100 ft upstream at different datum; recording thereafter. Feb. 13, 1931, to Oct. 15, 1941, at site 300 ft upstream at different datum. Datum of gage is 5,560.6 ft above mean sea level, datum of 1929.

Stage-discharge relation.--Defined by current-meter measurements below 1,300 cfs.

Remarks.--Base for partial-duration series, 400 cfs. Only annual peaks are shown prior to 1932.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1905	May 20, 1905	-	a274	1938	May 29, 1938	2.48	553
1927	May 16, 1927	4.00	655	1939	Mar. 22, 1939	1.65	284
1928	May 8, 1928	3.74	a578				
1929	May 25, 1929	3.98	a686	1940	Aug. 21, 1940	3.41	884
1930	Apr. 25, 1930	3.32	a382				
				1941	Aug. 6, 1941	2.49	574
1931	May 15, 1931	1.36	83		Aug. 10, 1941	2.23	490
1932	Apr. 18, 1932	2.53	432	1942	Apr. 5, 1942	1.85	403
	May 14, 1932	2.83	603		May 26, 1942	2.23	589
1933	June 2, 1933	2.15	360	1943	May 5, 1943	1.88	444
					June 2, 1943	1.83	421
1934	Mar. 31, 1934	-	24				
				1944	May 16, 1944	2.48	730
1935	June 9, 1935	2.18	392		May 23, 1944	2.08	532
					June 3, 1944	2.33	655
1936	Apr. 23, 1936	2.78	656		June 9, 1944	1.98	485
	May 6, 1936	2.78	656				
	May 15, 1936	2.68	621	1945	Aug. 7, 1945	1.97	480
	Aug. 1, 1936	2.10	427		Aug. 20, 1945	2.65	818
1937	Apr. 16, 1937	2.58	588	1946	Apr. 27, 1946	2.04	513
	May 9, 1937	2.32	500				
	May 15, 1937	2.33	503	1947	May 5, 1947	1.89	444
	July 12, 1937	2.20	454				
				1948	Apr. 18, 1948	2.18	581
1938	May 1, 1938	2.29	487		Apr. 22, 1948	2.47	725
	May 16, 1938	2.82	672		May 20, 1948	2.38	680

a Maximum observed.

Peak stages and discharges of Chalk Creek at Coalville, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1949	May 13, 1949	1.79	409	1956	May 22, 1956	2.48	603
	May 20, 1949	1.79	409	1957	May 19, 1957	2.78	822
1950	Apr. 18, 1950	1.92	413		June 3, 1957	2.34	633
	Apr. 23, 1950	2.33	572				
	May 18, 1950	2.92	861	1958	May 12, 1958	1.70	304
	May 25, 1950	3.14	923				
	June 7, 1950	2.50	639	1959	Apr. 4, 1959	1.61	277
1951	May 29, 1951	2.38	568	1960	Mar. 27, 1960	1.96	386
1952	Apr. 28, 1952	4.67	1,540	1961	Mar. 24, 1961	1.39	217
	May 4, 1952	4.28	1,360	1962	Feb. 12, 1962	1.95	397
1953	June 11, 1953	1.97	390	1963	Feb. 1, 1963	1.62	283
1954	May 10, 1954	1.19	164				
1955	May 8, 1955	1.83	349				

1320. Weber River at Echo, Utah

Location.--Lat 40°57'55", long 111°26'10", in SE¼NE¼ sec.25, T.3 N., R.4 E., on right bank a quarter of a mile downstream from Echo Dam, half a mile upstream from Echo Creek, and three-quarters of a mile southeast of Echo.

Drainage area.--732 sq mi.

Gage.--Nonrecording prior to Apr. 18, 1931, at site a quarter of a mile downstream at different datum; recording thereafter. Apr. 18, 1931, to Mar. 23, 1950, at site 0.3 mile downstream at different datum. Altitude of gage is 5,440 ft (from Echo Reservoir elevations).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Many diversions above and below station for irrigation. Flow regulated by Echo Reservoir. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1927	May 17, 1927	-	2,410	1943	June 2, 1943	6.12	2,370
1928	May 29, 1928	-	a2,090	1944	June 2,3, 1944	6.17	2,290
1929	May 21, 1929	-	a2,300	1945	June 10, 1945	3.60	680
1930	June 12, 1930	-	1,080	1946	Apr. 27, 1946	4.30	1,060
1931	May 19,20,1931	-	437	1947	May 9,10, 1947	5.10	1,600
1932	May 22, 1932	5.20	1,870	1948	May 21, 1948	5.91	2,140
1933	June 10, 1933	4.71	1,530	1949	June 14, 1949	5.43	1,740
1934	Apr. 22, 1934	2.66	391	1950	May 26, 1950	6.96	2,580
1935	June 5, 1935	5.60	2,100	1951	May 30, 1951	6.54	2,220
1936	June 1, 1936	5.00	1,730	1952	May 13, 1952	7.34	3,060
1937	May 30,31,1937	5.83	2,330	1953	June 15, 1953	6.01	1,870
1938	May 29,30,1938	5.60	2,090	1954	May 20, 1954	3.92	613
1939	May 10, 1939	3.49	705	1955	July 9, 1955	4.07	691
1940	May 24-26,1940	3.15	548	1956	May 25,26,1956	5.74	1,620
1941	June 16,17,1941	3.92	922	1957	July 21, 1957	4.52	695
1942	May 27 to June 3, 1942	b5.15	1,560	1958	Apr. 15, 1958	4.62	822

a Maximum observed.
b Peak stage occurred May 27.

1325. Lost Creek near Croydon, Utah

Location.--Lat 41°10'35", long 111°24'20", in SW¼SE¼ sec.8, T.5 N., R.5 E., on right bank 0.8 mile downstream from Francis Fork, 1.6 miles upstream from Hell Canyon, and 9½ miles northeast of Croydon.

Drainage area.--133 sq mi. Mean altitude, 7,320 ft.

Gage.--Recording. Prior to Aug. 26, 1954, at several sites within 40 ft of present site at various datums. Altitude of gage is 5,820 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements below 300 cfs. Considerable shifting at all stages.

Remarks.--Base for partial-duration series, 130 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1921	May 16, 1921	3.82	472	1952	May 5, 1952	6.87	730
1922	May 8, 1922	4.03	647		July 25, 1952	4.71	136
1923	May 10,11,18, 1923	4.20	770	1954	Apr. 24, 1954	4.51	89
1941	May 4, 1941	1.85	66	1955	May 8, 1955	5.20	163
1942	Apr. 14, 1942	2.41	106				
1943	Apr. 24, 1943	4.03	298	1956	Apr. 23, 1956	5.14	166
1944	May 13, 1944	2.91	184		May 7, 1956	4.76	157
1945	May 6, 1945	3.15	216	1957	May 7, 1957	5.15	222
1946	Apr. 21, 1946	4.72	400		May 19, 1957	5.63	290
1947	May 3, 1947	3.14	175	1958	Apr. 18, 1958	4.31	142
1948	Apr. 17, 1948	-	183		May 6, 1958	4.75	187
	May 17, 1948	4.16	341		May 19, 1958	4.52	164
1949	Apr. 25, 1949	4.34	317	1959	May 2, 1959	3.65	80
	May 4, 1949	-	276				
	May 12, 1949	-	246	1960	May 16, 1960	4.12	112
	May 20, 1949	-	231	1961	Apr. 3, 1961	3.72	80
1950	Apr. 8, 1950	-	143				
	Apr. 14, 1950	-	177	1962	Apr. 20, 1962	5.73	260
	Apr. 17, 1950	-	274		May 5, 1962	5.19	196
	Apr. 22, 1950	-	390				
	May 23, 1950	5.63	564	1963	May 9, 1963	5.02	179
					May 16, 1963	4.54	135
1951	May 21, 1951	5.68	350				

1330. Lost Creek at Devils Slide, Utah
(Published as "near Croydon" 1905; records not equivalent to those for station "near Croydon" 1921-23, 1941-50)

Location.--Lat 41°03'40", long 111°32'00", in SE¼ sec.19, T.4 N., R.4 E., a quarter of a mile above mouth and half a mile east of Devils Slide.

Drainage area.--228 sq mi.

Gage.--Nonrecording prior to December 1905, at site about 1,200 ft downstream at different datum; recording thereafter.

Stage-discharge relation.--Defined by current-meter measurements below 700 cfs.

Remarks.--Practically all flow diverted above gage during late irrigation season. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1905	May 2, 1905	3.50	a181	1927	May 1, 1927	3.38	810
1921	May 17, 1921	4.05	1,040	1928	May 2, 1928	3.64	975
1922	May 8, 1922	4.26	1,190	1929	May 15, 1929	3.09	719
1923	May 11, 1923	4.39	1,390	1930	Apr. 23, 1930	1.73	186
1924	May 5, 1924	2.30	335	1931	May 8, 1931	1.10	54
1925	May 7, 1925	2.28	325	1932	May 14, 1932	3.70	765
1926	Apr. 21, 22, 1926	2.14	277	1933	May 22, 1933	3.37	650

a Maximum observed.

1335. Weber River at Devils Slide, Utah
(Published as "near Croydon" 1905-8)

Location.--Lat 41°03'40", long 111°34'25", in SE¼SE¼ sec.23, T.4 N., R.3 E., on right bank 350 ft downstream from highway underpass on U.S. Highway 30 S, 1½ miles west of Devils Slide, and 1¾ miles downstream from Lost Creek.

Drainage area.--1,100 sq mi, approximately.

Gage.--Nonrecording prior to Oct. 1, 1934, at site 1½ miles upstream at different datum; recording thereafter. Altitude of gage is 5,300 ft.

Stage-discharge relation.--Defined by current-meter measurements below 4,700 cfs. Fairly stable at all stages.

Remarks.--Many diversions above station for irrigation. Flow regulated by Echo Reservoir. Only annual peaks are shown (maximum observed 1905-19, 1921-33).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1905	June 8-10,1905	3.9	1,650	1930	Apr. 25, 1930	2.93	1,240
1906	June 14, 1906	5.4	3,150	1931	Nov. 25, 26, 1930	1.81	462
1907	May 24, 1907	6.3	4,620	1932	May 16, 1932	4.26	2,440
1908	June 18, 1908	4.8	2,110	1933	June 2, 1933	3.58	1,780
1909	June 6, 1909	8.0	6,600	1934	Apr. 23-25,1934	1.86	406
1910	Apr. 28, 1910	5.2	2,550	1935	June 12, 1935	5.24	1,910
1911	Jan. 31, 1911	5.2	2,270	1936	May 5, 1936	5.70	2,230
1912	June 9, 1912	6.08	3,910	1937	May 31, 1937	5.66	2,200
1913	Apr. 2, 1913	5.1	2,460	1938	May 17, 1938	5.54	2,120
1914	May 24, 1914	5.8	3,420	1939	May 11, 1939	3.33	682
1915	June 11, 1915	4.20	1,430	1940	May 26, 1940	3.13	565
1916	May 21, Apr.29, May 7, 1916	5.65	2,970	1941	June 15, 1941	3.86	982
				1942	May 27,28,1942	4.88	1,670
1917	May 16, 1917	6.65	4,120	1943	June 2, 1943	5.95	2,420
1918	June 15, 1918	5.2	2,280	1944	June 3, 1944	5.97	2,510
1919	May 30, 1919	4.6	1,630	1945	June 10, 1945	3.77	934
1920	May 22, 1920	8.0	6,000				
				1946	Apr. 27, 1946	5.25	1,990
1921	May 17, 1921	6.78	3,810	1947	May 9, 1947	5.08	1,840
1922	May 8, 1922	7.01	4,140	1948	May 21, 1948	6.18	2,680
1923	May 11, 1923	6.45	3,580	1949	June 14, 1949	5.20	1,880
1924	May 19, 1924	4.01	1,360	1950	May 24, 1950	7.33	3,520
1925	May 22, 1925	4.23	1,580				
				1951	May 30, 1951	5.99	2,450
1926	May 21, 1926	4.35	1,600	1952	May 7, 1952	8.55	4,810
1927	May 18, 1927	5.43	2,730	1953	June 15, 1953	4.90	1,840
1928	May 13, 1928	-	2,800	1954	May 21, 1954	3.10	661
1929	May 26, 1929	6.36	2,740	1955	July 25, 1955	3.54	805

1345. East Canyon Creek near Morgan, Utah

Location.--Lat 40°55'20", long 111°36'20", in NW¼NW¼ sec.10, T.2 N., R.3 E., on right bank 2,500 ft downstream from East Canyon Dam, 2½ miles upstream from Sheep Canyon, and 9 miles southeast of Morgan.

Drainage area.--155 sq mi, approximately.

Gage.--Recording gage and Lyman rectangular weir. Altitude of gage is 5,460 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 600 cfs.

Remarks.--East Canyon Reservoir completely regulates flow. Only annual peaks are shown (maximum daily prior to 1952).

Peak stages and discharges of East Canyon Creek near Morgan, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1932	July 11, 1932	-	247	1948	Apr. 25, 1948	-	299
1933	July 13, 1933	-	252	1949	May 22, 1949	-	304
1934	Oct. 1,3, 1933	-	136	1950	Apr.10,24, 1950	-	243
1935	July 3, 1935	-	47	1951	May 22, 1951	-	188
1936	Apr. 23, 1936	-	412	1952	May 4, 1952	3.49	872
1937	Apr. 23, 1937	-	397	1953	May 21, 1953	1.77	280
1938	May 19, 1938	-	187	1954	July 13, 1954	1.19	166
1939	Mar. 29, 1939	-	185	1955	Sept. 7, 1955	1.22	158
1940	Aug. 16, 1940	-	150	1956	Sept.16, 1956	1.16	154
1941	June 27, 1941	-	130	1957	May 22, 1957	1.67	257
1942	Apr. 12, 1942	-	259	1958	May 20, 1958	1.47	211
1943	June 2, 1943	-	198	1959	Aug. 9, 1959	1.00	140
1944	June 4, 1944	-	269	1960	Sept.15, 1960	1.28	177
1945	May 2, 1945	-	150	1961	Oct. 1, 1960	1.00	121
1946	Apr. 24, 1946	-	284	1962	July 1, 1962	1.17	166
1947	June 10,12,1947	-	134	1963	June 23, 1963	.92	112

Note.--Discharges shown are maximum daily prior to 1952.

1350. Hardscrabble Creek near Porterville, Utah

Location.--Lat 40°57'10", long 111°43'00", in SW¼NW¼ sec.34, T.3 N., R.2 E., on right bank two-thirds of a mile upstream from Tucker Hollow and 2¾ miles southwest of Porterville.

Drainage area.--28.1 sq mi. Mean altitude, 7,220 ft.

Gage.--Recording. Altitude of gage is 5,500 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 350 cfs.

Remarks.--Base for partial-duration series, 220 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1942	May 25, 1942	3.10	311	1953	May 20, 1953	3.45	406
1943	Apr. 17, 1943	2.64	216		June 10, 1953	3.02	290
1944	June 2, 1944	2.76	234				
1945	Aug. 20, 1945	3.60	464	1954	Apr. 28, 1954	1.91	64
1946	Apr. 26, 1946	2.83	257	1955	May 21, 1955	2.49	149
1947	May 7, 1947	2.73	233	1956	Dec. 23, 1955	2.54	182
1948	Apr. 21, 1948	-	294				
	May 17, 1948	3.28	409	1957	May 19, 1957	2.88	227
					June 5, 1957	2.85	234
1949	Apr. 24, 1949	3.19	337				
	May 3, 1949	-	230	1958	May 6, 1958	3.02	261
	May 13, 1949	-	254		May 22, 1958	3.11	320
	May 20, 1949	-	285				
				1959	May 1, 1959	2.31	79
1950	May 18, 1950	-	356				
	May 24, 1950	3.31	383	1960	May 12, 1960	2.67	177
	May 28, 1950	-	288				
				1961	May 1, 1961	1.91	40
1951	May 27, 1951	2.88	220				
	July 28, 1951	3.53	439	1962	May 6, 1962	2.58	175
1952	May 4, 1952	3.66	413	1963	May 9, 1963	2.28	124
1953	Apr. 28, 1953	2.79	224				

1355. East Canyon Creek below diversions, near Morgan, Utah

Location.--Lat 41°02'10", long 111°41'30", in SW¼ sec.35, T.4 N., R.2 E., on left bank 1 mile southwest of Morgan and 3 miles upstream from mouth.

Drainage area.--236 sq mi, approximately.

Gage.--Recording. Altitude of gage is 5,050 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by East Canyon Reservoir. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1951	May 22, 1951	6.18	382	1954	July 26, 1954	3.22	190
1952	May 8, 1952	9.19	926	1955	May 8, 1955	3.26	206
1953	May 20, 1953	8.08	724				

1360. Weber River near Morgan, Utah

Location.--Lat 41°03'50", long 111°43'40", in NE¼ sec.21, T.4 N., R.2 E., on right bank 300 ft downstream from Line Creek and 2½ miles northeast of Morgan.

Drainage area.--1,500 sq mi, approximately.

Gage.--Recording. Prior to Dec. 3, 1952, at site a quarter of a mile upstream at different datum. Altitude of gage is 4,970 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Many diversions above and below station for irrigation. Flow regulated by Echo and East Canyon Reservoirs. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1951	May 30, 1951	4.94	2,640	1954	May 21, 1954	3.11	607
1952	May 5, 1952	-	a6,000	1955	July 25, 1955	3.30	735
1953	June 16, 1953	4.72	2,360				

a Maximum daily.

1365. Weber River at Gateway, Utah
(Published as "near Uinta" 1889-1903)

Location.--Lat 41°08'20", long 111°50'00", in NW¼SW¼ sec.27, T.5 N., R.1 E., on right bank 800 ft downstream Union Pacific Railroad bridge, 2,500 ft downstream from Strawberry Creek, and 2,500 ft east of section house at Gateway.

Drainage area.--1,610 sq mi, approximately.

Gage.--Nonrecording prior to July 12, 1903, at site 1 mile downstream at different datum; recording thereafter. June 22, 1919, to Oct. 22, 1929, at site 2,200 ft upstream at different datum. Oct. 22, 1929, to Oct. 30, 1947, at site 50 ft downstream at datum 0.80 ft higher. Oct. 31, 1947, to Dec. 9, 1959, at present site at datum 0.80 ft higher. Altitude of gage is 4,790 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Many diversions above and below station for irrigation. Flow regulated by Rockport, Echo, and East Canyon Reservoirs. Only annual peaks are shown (maximum observed prior to 1902).

Peak stages and discharges of Weber River at Gateway, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1890	May 1890	-	5,460	1936	Apr. 23, 1936	7.00	4,380
				1937	May 15, 1937	5.60	3,230
1891	May 1891	-	4,660	1938	May 17, 1938	5.30	2,990
1892	May 1892	-	5,760	1939	Mar. 22, 1939	2.90	1,170
1893	May 17, 1893	-	7,280	1940	Mar. 27, 1940	2.78	1,100
1895	Apr.30,May 4, 1895	-	2,400	1941	June 15,16,1941	2.74	1,050
				1942	Apr. 5, 1942	5.12	2,770
				1943	June 3, 1943	5.40	2,970
1896	May 31, 1896	-	7,980	1944	June 4, 1944	5.80	3,270
1897	May 7, 1897	-	5,340	1945	June 6, 1945	3.90	1,770
1898	Apr. 22, 1898	-	2,120				
1899	May 12, 1899	-	4,770	1946	Apr. 28, 1946	5.78	3,320
				1947	May 6, 1947	4.82	2,480
1901	May 4,5, 1901	-	2,420	1948	May 19, 1948	6.78	4,150
				1949	May 22, 1949	5.10	2,700
1921	May 17,18,1921	-	5,500	1950	May 24, 1950	7.54	4,810
1922	May 8, 1922	-	6,720				
1923	May 19, 1923	-	5,380	1951	May 30, 1951	5.32	2,940
1924	May 4, 1924	-	1,740	1952	May 5, 1952	9.51	7,600
1925	May 22, 1925	3.50	1,940	1953	June 15, 1953	4.56	2,520
				1954	May 21, 1954	2.00	785
1926	Apr. 6, 1926	4.02	2,460	1955	May 10, 1955	2.33	927
1927	May 17, 1927	5.58	3,810				
1928	May 10, 1928	5.74	4,070	1956	Dec. 23, 1955	5.21	3,120
1929	May 24, 1929	5.59	3,760	1957	May 19, 1957	4.33	2,370
1930	Apr. 25, 1930	3.73	1,660	1958	Apr. 18, 1958	4.35	2,400
				1959	June 26, 1959	2.14	820
1931	May 3, 1931	1.92	574	1960	Mar. 8, 1960	4.02	1,530
1932	May 15, 1932	6.04	3,580				
1933	June 1, 1933	5.15	2,870	1961	July 3, 1961	2.18	444
1934	Apr. 26, 1934	1.60	410	1962	Feb. 10, 1962	5.38	2,570
1935	June 12, 1935	4.29	2,180	1963	May 9, 1963	3.54	1,130

1370. Weber River at Ogden, Utah

Location.--Lat 41°13'40", long 111°59'15", in sec.30, T.6 N., R.1 W., on right bank 200 ft southeast of intersection of 21st Street and Middleton Road in Ogden and 1 mile upstream from Ogden River.

Drainage area.--1,670 sq mi, approximately.

Gage.--Recording. Altitude of gage is 4,270 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Many diversions above and below station for irrigation. Flow regulated by Rockport, Echo, and East Canyon Reservoirs. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1951	May 7, 1951	6.44	2,340	1956	Dec. 24, 1955	6.98	2,870
1952	May 6, 1952	10.89	7,070	1957	May 20, 1957	6.65	2,360
1953	May 30, 1953	6.13	2,040	1958	Apr. 18, 1958	6.45	2,320
1954	Apr. 19, 1954	3.38	525				
1955	May 7, 1955	4.20	864				

1375. South Fork Ogden River near Huntsville, Utah

Location.--Lat 41°16', long 111°40', in SE¼ sec.12, T.6 N., R.2 E., on right bank half a mile downstream from Magpie Creek, 1 mile upstream from Huntsville Mountain Canal, and 5½ miles east of Huntsville.

Drainage area.--148 sq mi. Mean altitude, 7,960 ft.

Gage.--Recording. Prior to Aug. 14, 1934, at site 300 ft upstream at different datum. Altitude of gage is 5,190 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements below 1,500 cfs. Fairly stable except at extremely high stage.

Remarks.--Base for partial-duration series, 400 cfs. Only annual peaks are shown prior to 1923.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1921	May 16, 1921	-	1,340	1942	Apr. 13, 1942	3.24	597
1922	May 6, 1922	-	1,380		Apr. 22, 1942	3.14	555
					May 24, 1942	2.81	427
1923	Apr. 18, 1923	3.25	604				
	May 10, 1923	5.40	1,450	1943	Apr. 6, 1943	2.88	442
	May 20, 1923	4.38	1,040		Apr. 20, 1943	4.46	980
					Apr. 23, 1943	4.50	995
1924	May 4, 1924	3.21	618		May 1, 1943	4.04	779
1925	Apr. 17, 1925	2.90	520	1944	May 14, 1944	3.62	611
	May 8, 1925	2.91	523				
				1945	May 4, 1945	4.27	985
1926	Apr. 21, 1926	2.85	508		June 6, 1945	3.66	709
1927	Apr. 30, 1927	4.80	1,220	1946	Apr. 18, 1946	5.06	1,430
	May 16, 1927	4.63	1,150		Apr. 25, 1946	4.73	1,300
	May 28, 1927	2.75	474				
				1947	May 3, 1947	3.83	778
1928	Mar. 25, 1928	3.80	823				
	Apr. 28, 1928	4.70	1,180	1948	Apr. 28, 1948	3.76	694
	May 1, 1928	4.60	1,140		May 7, 1948	4.46	1,010
	May 8, 1928	4.60	1,140		May 17, 1948	4.99	1,280
1929	Mar. 21, 1929	2.68	460	1949	Apr. 24, 1949	4.40	1,020
	Apr. 19, 1929	2.72	472		May 19, 1949	3.84	715
	Apr. 30, 1929	2.71	469				
	May 14, 1929	4.40	1,060	1950	Apr. 8, 1950	3.26	493
					Apr. 22, 1950	4.77	1,060
1930	Apr. 25, 1930	2.52	412		May 18, 1950	5.17	1,300
1931	May 5, 1931	1.55	184	1951	May 12, 1951	4.45	1,000
1932	Apr. 2, 1932	2.73	479	1952	May 3, 1952	5.98	1,890
	Apr. 17, 1932	3.58	753				
	May 5, 1932	3.90	865	1953	Apr. 28, 1953	3.24	571
	May 14, 1932	5.35	1,480		May 7, 1953	2.84	435
					May 29, 1953	3.37	611
1933	Apr. 28, 1933	3.10	575				
	May 21, 1933	3.94	876	1954	Apr. 25, 1954	2.72	409
	May 27, 1933	3.83	832				
				1955	May 6, 1955	3.65	788
1934	July 21, 1934	1.29	113				
				1956	Dec. 24, 1955	3.50	678
1935	Apr. 22, 1935	2.84	449		Apr. 23, 1956	3.62	674
	Apr. 29, 1935	2.71	404		May 5, 1956	3.39	603
	May 10, 1935	3.03	516		May 20, 1956	3.12	509
1936	Apr. 26, 1936	5.20	1,610	1957	May 6, 1957	4.08	872
	May 4, 1936	5.45	1,780		May 19, 1957	4.28	969
	May 11, 1936	4.60	1,250				
				1958	Apr. 18, 1958	3.33	570
1937	Apr. 27, 1937	2.71	404		May 6, 1958	4.13	870
	May 8, 1937	4.30	1,090		May 21, 1958	3.57	638
1938	Apr. 19, 1938	3.85	718	1959	Jan. 4, 1959	ε3.02	-
	Apr. 22, 1938	4.46	944		May 2, 1959	2.56	329
	May 16, 1938	3.69	662				
				1960	Jan. 19, 1960	ε3.28	-
1939	Apr. 30, 1939	2.75	397		May 11, 1960	3.08	458
1940	Apr. 21, 1940	2.40	282	1961	Jan. 5, 1961	ε4.42	-
					May 2, 1961	1.84	149
1941	May 2, 1941	2.60	353				
				1962	Feb. 12, 1962	2.83	411
1942	Apr. 4, 1942	2.86	449		Apr. 19, 1962	4.39	1,060

ε Backwater from ice.

Peak stages and discharges of South Fork Ogden River near Huntsville, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1962	Apr. 26, 1962	4.13	888	1963	May 9, 1963	3.76	713
	May 6, 1962	4.09	830		May 18, 1963	3.20	506
1963	Mar. 28, 1963	2.83	401				

1378. Middle Fork Ogden River at Huntsville, Utah

Location.--Lat 41°17'15", long 111°46'35", in SE¼NE¼ sec.1, T.6 N., R.1 E., on left bank 20 ft downstream from bridge on State Highway 162 and 1½ miles north of Huntsville.

Drainage area.--32 sq mi, approximately.

Gage.--Recording and concrete control. Datum of gage is 4,915.41 ft above mean sea level, datum of 1929 (levels by Bureau of Reclamation).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Diversions above station for irrigation. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1958	May 5, 1958	2.72	450	1961	Apr. 30, 1961	1.64	89
1959	Apr. 26, 1959	2.03	175	1962	Apr. 19, 1962	2.97	581
1960	May 10, 1960	2.18	273	1963	May 4, 1963	2.23	277

1379. Spring Creek at Huntsville, Utah

Location.--Lat 41°15'55", long 111°45'55", in SW¼SE¼ sec.7, T.6 N., R.2 E., on left bank at north edge of Huntsville.

Drainage area.--7.2 sq mi, approximately.

Gage.--Recording and Parshall flume. Datum of gage is 4,902.99 ft above mean sea level, datum of 1929 (levels by Bureau of Reclamation).

Stage-discharge relation.--Defined by current-meter measurements below 70 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1958	June 12, 1958	0.97	28	1961	Mar. 16, 1961	1.02	29
1959	Mar. 13, 1959	1.48	55	1962	Feb. 12, 1962	2.82	158
1960	Mar. 28, 1960	2.13	101	1963	Feb. 1, 1963	3.04	179

1393. Wheeler Creek near Huntsville, Utah

Location.--Lat 41°15'15", long 111°50'35", in NW¼SE¼ sec.16, T.6 N., R.1 E., on right bank 150 ft upstream from mouth, 150 ft downstream from culvert under State Highway 39, 250 ft downstream from Pine View Dam on Ogden River, 3¾ miles west of Huntsville, and 6 miles northeast of Ogden.

Drainage area.--11.1 sq mi.

Gage.--Recording and concrete control. Altitude of gage is 4,800 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 70 cfs.

Remarks.--Records include flow diverted around station by city of Ogden pipeline. Only annual peaks are shown.

Peak stages and discharges of Wheeler Creek near Huntsville, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Apr. 27, 1959	2.04	45	1962	Feb. 12, 1962	2.30	116
1960	Apr. 6, 1960	2.10	51	1963	Apr. 7, 1963	2.14	84
1961	Apr. 3, 1961	1.73	22				

1395. Ogden River near Ogden, Utah

Location.--Lat 41°15'17", long 111°50'47", in NE¼SW¼ sec.16, T.6 N., R.1 E., 1,500 ft downstream from Wheeler Creek, 2,000 ft downstream from Pine View Dam, and 6½ miles northeast of Ogden.

Drainage area.--321 sq mi.

Gage.--Nonrecording prior to Aug. 24, 1932; recording thereafter. Prior to Mar. 22, 1937, at different datums. Datum of gage is 4,798.30 ft above mean sea level (levels by Bureau of Reclamation).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow of river affected by storage in Pine View Reservoir (capacity, 41,798 acre-ft) beginning November 1936. Only annual peaks are shown (maximum daily, except 1935, 1936).

Maximum daily mean discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1904	May 15, 1904	-	1,830	1912	May 22, 1912	-	2,470
1905	May 18, 1905	-	785	1932	May 14, 1932	-	2,790
1906	May 30, 1906	-	1,350	1933	May 22, 1933	-	1,760
1907	Feb. 5, 1907	-	3,260	1934	Apr. 1, 1934	-	140
1908	June 5, 1908	-	935	1935	May 11, 1935	-	a 1,130
1909	Apr. 28, 1909	-	2,250				
1910	Mar. 23, 1910	-	1,920	1936	Apr. 24, 1936	-	a 3,700
1911	Jan. 31, 1911	-	2,440	1937	May 11, 1937	-	1,930

a Momentary maximum.

1400. Ogden River below Pine View Dam, near Ogden, Utah

Location.--Lat 41°15'15", long 111°50'40", in NE¼SW¼ sec.16, T.6 N., R.1 E., on left bank 500 ft downstream from Wheeler Creek, 1,000 ft downstream from Pine View Dam, and 6½ miles northeast of Ogden.

Drainage area.--321 sq mi.

Gage.--Recording. Prior to Oct. 1, 1954, at site 1,000 ft downstream at datum 5.03 ft lower. Datum of gage is 4,803.33 ft above mean sea level (levels by Bureau of Reclamation).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Pine View Reservoir (capacity, 41,798 acre-ft). Only annual peaks are shown.

Peak stages and discharges of Ogden River below Pine View Dam, near Ogden, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1938	Apr.25,26, 1938	5.30	1,260	1949	May 20, 1949	5.85	1,630
1939	Apr. 1, 1939	4.20	730	1950	May 20, 1950	5.78	1,460
1940	May 11, 1940	3.59	482				
				1951	May 24, 1951	5.40	1,190
1941	May 14, 1941	3.60	485	1952	May 3, 1952	7.76	3,190
1942	May 26, 1942	4.23	718	1953	June 8, 1953	5.49	1,140
1943	Apr.24,25, 1943	5.43	1,260	1954	Nov. 13, 1953	2.53	117
1944	June 3, 1944	5.20	1,100	1955	May 22, 23,1955	3.24	383
1945	June 7, 1945	6.73	2,290				
				1956	May 14, 1956	5.17	971
1946	Apr. 29, 1946	5.70	1,540	1957	May 23, 1957	5.90	1,400
1947	May 8, 1947	4.36	722	1958	Apr. 20, 1958	5.21	1,060
1948	May 20, 1948	5.84	1,590	1959	July 28, 1959	2.54	81

1410. Weber River near Plain City, Utah

Location.--Lat 41°16'42", long 112°05'30", in NW¼NE¼ sec.8, T.6 N., R.2 W., on right bank at highway bridge, 1 mile downstream from Fourmile Creek, 1½ miles south of Plain City, and 6 miles upstream from mouth.

Drainage area.--2,060 sq mi, approximately.

Gage.--Nonrecording prior to Aug. 30, 1949; recording thereafter. Altitude of gage is 4,210 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--During summer months practically entire flow is diverted above station for irrigation. Flow regulated by Rockport, Echo, East Canyon, and Pine View Reservoirs. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1905	May 21, 1905	-	2,270	1935	May 31, 1935	10.48	1,620
1906	May 31, 1906	-	5,150	1936	Apr. 25, 1936	19.0	6,050
1907	Apr. 16, 1907	-	5,880	1937	May 11, 1937	17.36	4,390
1908	June 16, 1908	-	3,650	1938	Apr. 26, 1938	17.05	3,960
1909	June 6, 1909	19.1	7,580	1939	Mar. 25, 1939	10.30	1,610
1910	Mar. 23, 1910	-	5,130	1940	Mar. 27, 1940	8.45	1,060
1911	Feb. 1, 1911	-	5,900	1941	May 7, 1941	9.00	1,220
1912	May 22, 1912	-	6,450	1942	Apr. 5, 1942	14.32	2,770
1913	Apr. 3, 1913	-	4,900	1943	Apr. 26, 1943	15.89	3,310
1914	Apr. 17, 1914	-	5,700	1944	June 4, 1944	16.74	3,740
1915	Apr. 21, 1915	-	1,880	1945	June 8, 1945	16.33	3,430
1916	Mar. 22, 1916	-	6,460	1946	Apr.28,29, 1946	18.20	4,470
1917	May 17, 1917	-	6,910	1947	May 14, 1947	13.27	2,480
1918	Mar. 13, 1918	-	2,370	1948	May 20, 1948	18.47	4,930
1919	Apr. 25, 1919	-	2,680	1949	May 23, 1949	16.18	4,170
1920	May 23, 1920	-	7,100	1950	May 20, 1950	17.25	5,500
1921	May 18, 1921	-	7,000	1951	May 8, 1951	14.09	3,860
1922	May 8,9, 1922	-	7,270	1952	May 6, 1952	19.01	10,100
1923	May 12, 1923	-	6,820	1953	May 21, 1953	12.13	3,340
1924	Apr. 15, 1924	-	2,520	1954	Apr. 19, 1954	4.71	679
1925	Apr.19,20, 1925	12.25	2,790	1955	May 9, 1955	5.43	976
1926	Apr. 7, 1926	14.32	3,410	1956	Dec. 24, 1955	10.92	2,610
1927	May 2, 1927	17.40	5,030	1957	May 22, 1957	13.08	3,390
1928	May 13, 1928	16.81	4,620	1958	Apr. 19, 1958	13.24	3,360
1929	May 17, 1929	17.05	4,780	1959	Apr. 27, 1959	5.31	707
1930	Apr. 15, 1930	10.24	1,790	1960	Mar. 9, 1960	8.37	1,680
1931	Nov. 29, 1930	6.46	577	1961	Sept.19, 1961	4.22	415
1932	May 16, 1932	18.38	5,800	1962	Feb. 11, 1962	10.74	2,450
1933	June 1, 1933	14.36	3,300	1963	May 11, 1963	9.25	1,740
1934	Feb.24,25, 1934	5.02	285				

1415. Holmes Creek near Kaysville, Utah

Location.--Lat 41°03'18", long 111°53'40", in NE¼ sec.25, T.4 N., R.1 W., on left bank 2 miles northeast of Kaysville.

Drainage area.--2.49 sq mi. Mean altitude, 7,580 ft.

Gage.--Recording and concrete control. Datum of gage is 5,095.1 ft above mean sea level, unadjusted.

Stage-discharge relation.--Defined by current-meter measurements below 25 cfs. Moderate shifting at all stages.

Remarks.--Base for partial-duration series, 10 cfs. Only annual peaks are shown prior to 1953.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	May 17, 1950	1.06	a20	1958	Apr. 18, 1958	0.79	13
					May 24, 1958	1.05	33
1951	May 23, 1951	1.02	22				
1952	May 3, 1952	1.13	36	1959	May 16, 1959	.71	7.5
1953	Apr. 28, 1953	.88	19	1960	Jan. 17, 1960	b1.71	-
	June 10, 1953	.98	27		Apr. 11, 1960	.80	14
					May 13, 1960	.83	15
1954	Apr. 14, May 21, 1954	-	6.2	1961	Apr. 3, 1961, May 13-23, 1961	.66	5.1
1955	May 8, 1955	.78	11				
				1962	Apr. 26, 1962	.92	22
1956	Dec. 23, 1955	.80	13		May 7, 1962	1.00	28
	May 21, 1956	.78	11				
	May 27, 1956	.82	14	1963	May 3, 1963	.82	15
	July 28, 1956	.92	21		May 23, 1963	.81	14
					June 3, 1963	.77	11
1957	June 5, 1957	.93	28				

a Maximum for period May to September.
b Backwater from ice.

1420. Farmington Creek above diversions, near Farmington, Utah

Location.--Lat 41°00'05", long 111°52'25", in NE¼ sec.18, T.3 N., R.1 E., on right bank 1.0 mile northeast of Farmington.

Drainage area.--10.0 sq mi. Mean altitude, 7,470 ft.

Gage.--Recording and concrete control. Prior to Oct. 1, 1951, at site 600 ft downstream at different datum. Altitude of gage is 5,100 ft (from U.S. Forest Service topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 200 cfs. Considerable shifting at all stages.

Remarks.--Base for partial duration series, 80 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	May 22, 1950	1.74	254	1956	Apr. 26, 1956	1.37	83
1951	May 20, 1951	1.22	126	1957	May 7, 1957	1.58	120
					May 19, 1957	1.64	169
1952	May 6, 1952	1.55	150		May 28, 1957	1.43	131
	May 13, 1952	1.64	149		June 9, 1957	1.42	113
	May 29, 1952	1.62	145				
				1958	May 10, 1958	1.55	174
1953	May 19, 1953	1.90	157		May 20, 1958	1.86	282
	June 12, 1953	1.37	126				
				1959	May 1, 1959	1.43	80
1954	Apr. 18, 1954	1.32	43				
				1960	May 8, 1960	1.54	99
1955	May 10, 1955	1.52	120				

Peak stages and discharges of Farmington Creek above diversions, near Farmington, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1961	Mar. 1, 1961	1.34	63	1963	May 9, 1963	1.70	166
					May 16, 1963	1.56	110
1962	Apr. 19, 1962	1.53	106		May 19, 1963	1.59	117
	Apr. 26, 1962	1.61	146		June 1, 1963	1.46	86
	May 6, 1962	1.88	266				

1425. Ricks Creek above diversions, near Centerville, Utah

Location.--Lat 40°56'25", long 111°52'00", in NW¼ sec.5, T.2 N., R.1 E., on left bank half a mile east of alternate U.S. Highway 91, 1.2 miles north of Centerville.

Drainage area.--2.35 sq mi.

Gage.--Recording and concrete control. Altitude of gage is 4,840 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Base for partial-duration series, 10 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	May 23, 1950	1.27	a27	1957	June 1, 1957	1.13	26
1951	May 22, 1951	1.11	20	1958	May 11, 1958	1.02	15
					May 22, 1958	1.32	34
1952	May 7, 1952	1.30	30				
	May 15, 1952	1.16	31	1959	May 15, 1959	.84	8.2
1953	May 20, 1953	1.02	16	1960	May 10, 1960	1.02	17
	June 6, 1953	1.20	29				
				1961	Apr. 3, May 10, 1961	-	3.0
1954	Apr. 28, 1954	.79	4.0				
1955	May 13, 1955	.95	10	1962	Apr. 16, 1962	1.03	19
					May 8, 1962	1.03	30
1956	May 27, 1956	1.12	23				
				1963	May 21, 1963	.87	17
1957	May 19, 1957	1.10	19				

a Maximum for period May to September.

1430. Parrish Creek above diversions, near Centerville, Utah

Location.--Lat 40°55'25", long 111°51'50", in NW¼ sec.8, T.2 N., R.1 E., on right bank 1 mile northeast of Centerville.

Drainage area.--2.08 sq mi.

Gage.--Recording. Sharp-crested V-notch weir since October 1957. Prior to Oct. 1, 1957, at site 500 ft downstream at different datum. Altitude of gage is 4,600 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Record includes flow through pipeline for Centerville city water supply. Base for partial-duration series, 10 cfs.

Peak stages and discharges of Parrish Creek above diversions, near Centerville, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	May 24, 1950	2.02	19	1958	May 22, 1958	1.92	21.9
1951	May 7, 1951	1.52	13	1959	May 15, 1959	1.06	5.11
1952	May 5, 1952	-	30	1960	May 11, 1960	1.39	9.92
1953	June 6, 1953	-	26	1961	May 2, 1961	.87	3.15
1954	Apr. 18, 1954	-	2.7	1962	May 8, 1962	1.77	17.9
1955	May 13, 1955	-	11		May 26, 1962	1.51	12.2
1956	May 8, 1956	1.59	12	1963	May 9, 1963	1.42	10.4
1957	June 2, 1957	2.05	21		May 19, 1963	1.40	10.1

1435. Centerville Creek above diversions, near Centerville, Utah

Location.--Lat 40°55'00", long 111°51'45", in SE¼ sec.8, T.2 N., R.1 E., on right bank 1.2 miles east of Centerville.

Drainage area.--3.15 sq mi.

Gage.--Recording. Concrete rating flume at site 250 ft downstream at different datum prior to Nov. 21, 1960. V-notch sharp-crested weir thereafter. Altitude of gage is 4,650 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Records include flow on one ditch which diverts water about a quarter of a mile above station. Only annual maximum daily discharges are shown.

Maximum daily mean discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	May 17, 1950	-	22	1957	(a)	-	18
				1958	May 21-24, 1958	-	18
1952	May 6, 1952	-	30	1959	May 1, 1959	-	3.7
1953	June 7,12, 1953	-	20	1960	Apr. 10, 1960	-	7.9
1954	Apr. 14, 1954	-	3.6				
1955	May 9, 1955	-	8.4	1961	Apr. 4, 1961	-	2.6
				1962	(b)	-	13
1956	May 24, 1956	-	8.2	1963	(c)	-	8.0

a May 28, 29, June 2, 3, 1957.
b Apr. 26-28, May 7-11, 1962.
c May 5, 6, 8, 9, 1963.

1440. Stone Creek above diversions, near Bountiful, Utah

Location.--Lat 40°53'40", long 111°50'40", in NW¼ sec.21, T.2 N., R.1 E., on right bank 2.2 miles east of Bountiful.

Drainage area.--4.48 sq mi. Mean altitude, 7,050 ft.

Gage.--Recording and concrete control. Altitude of gage is 5,080 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 30 cfs. Moderate shifting at all stages.

Remarks.--Base for partial-duration series, 15 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	May 16, 1950	1.38	64	1957	May 31, 1957	1.39	39
1951	May 7, 1951	1.23	21	1958	Apr. 22, 1958	1.17	17
1952	May 5, 1952	2.79	82		May 22, 1958	1.38	49
1953	Apr. 24, 1953	1.20	18	1959	May 1, 1959	1.08	8.2
	June 5, 1953	1.37	49	1960	May 13, 1960	1.16	14
1954	Apr. 14, 1954	1.03	6.4	1961	Apr. 3, 1961	1.03	5.6
1955	May 13, 1955	1.23	16	1962	Apr. 16, 1962	1.26	20
1956	Dec. 23, 1955	1.20	16		Apr. 26, 1962	1.27	35
	May 27, 1956	1.18	15		May 11, 1962	1.30	46
1957	May 19, 1957	1.37	39	1963	May 3, 1963	1.20	20

1450. Mill Creek at Mueller Park, near Bountiful, Utah

Location.--Lat 40°51'50", long 111°50'10", in SE¼ sec.33, T.2 N., R.1 E., on right bank 2 miles southeast of Bountiful.

Drainage area.--8.79 sq mi.

Gage.--Recording gage and concrete control. Altitude of gage is 5,240 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 90 cfs.

Remarks.--Only annual maximum daily discharges are shown.

Maximum daily mean discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	May 15, 1950	-	74	1957	May 9, 1957	-	50
				1958	May 19, 1958	-	58
1951	May 8, 1951	-	38	1959	May 1, 1959	-	14
1952	Apr. 28, 1952	-	140	1960	May 12, 1960	-	26
1953	June 12, 1953	-	61				
1954	Apr. 14, 1954	-	10	1961	May 1961	-	13
1955	May 7, 1955	-	44	1962	Apr. 27, 1962	-	47
				1963	May 9, 1963	-	32
1956	May 24, 1956	-	23				

1460. Salt Creek at Nephi, Utah
(Published as "near Nephi" 1925-38)

Location.--Lat 39°42'45", long 111°48'25", in NE¼ sec.3, T.13 S., R.1 E., on right bank 1 mile east of Nephi.

Drainage area.--95.6 sq mi. Mean altitude, 7,330 ft.

Gage.--Nonrecording at site 2 miles upstream at different datums prior to Dec. 2, 1950; recording thereafter. Parshall flume Sept. 15, 1933, to Feb. 28, 1938. Dec. 2, 1950, to Nov. 5, 1952, at site 75 ft upstream at datum 1.43 ft higher. Altitude of gage is 5,240 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements below 300 cfs. Fairly stable except at extremely high stage.

Remarks.--Flood records at two sites are equivalent. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1926	Apr.7,May 6,1926	1.60	199	1952	May 2, 1952	-	724
1927	Apr.29,May 17,1927	1.50	184	1953	June 13, 1953	-	125
1928	Mar. 25, 1928	1.20	144	1954	Sept. 3, 1954	-	299
1929	Aug. 27, 1929	3.65	600	1955	July 24, 1955	-	217
1930	Aug. 13, 1930	4.4	550	1956	May 21, 1956	-	104
1931	July 30, 1931	3.28	336	1957	June 5, 1957	-	219
1932	July 17, 1932	5.0	800	1958	May 5, 1958	-	250
1933	May 31, 1933	2.00	131	1959	June 7, 1959	-	42
1934	Aug. 5, 1934	-	240	1960	May 12, 1960	-	97
1935	Aug. 31, 1935	-	260	1961	Aug. 11, 1961	-	195
1936	July 22, 1936	-	300	1962	Apr. 18, 1962	3.48	232
1937	July 28, 1937	-	270	1963	Apr. 30, 1963	2.71	116
1951	June 17, 1951	-	164				

1470. Summit Creek near Santaquin, Utah

Location.--Lat 39°55'20", long 111°45'10", in NW¼NE¼ sec.30, T.10 S., R.2 E., on right bank 3½ miles southeast of Santaquin.

Drainage area.--14.6 sq mi.

Gage.--Nonrecording gage and sharp-crested weir in powerplant tailrace and weir in main river channel at site 2½ miles downstream at different datums prior to October 1916; recording and concrete control thereafter. Altitude of gage is 5,900 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 95 cfs.

Remarks.--Base for partial-duration series, 30 cfs. Only annual peaks are shown prior to 1955.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1910	May 10, 1910	2.0	154	1958	May 25, 1958	1.60	118
1911	May 8-10,1911	-	27.1	1959	May 14, 1959	.78	23
1912	June 10, 1912	-	135				
1913	May 12, 1913	-	76.1	1960	May 13, 1960	.95	65
1914	May 20, 1914	-	105				
1915	May 14, 1915	-	48.9	1961	May 2, 1961	.77	23
1916	Apr. 28, 1916	-	97	1962	Apr. 17, 1962	1.00	68
					Apr. 26, 1962	1.07	66
1955	May 6, 1955	1.57	65		May 6, 1962	1.54	112
	July 24, 1955	1.37	48		June 3, 1962	1.11	70
					June 12, 1962	1.01	54
1956	May 6, 1956	1.32	40				
	May 22, 1956	1.40	46	1963	May 6, 1963	.94	38
					May 10, 1963	.95	38
1957	May 9, 1957	1.70	91		May 22, 1963	.98	41
	May 19, 1957	1.70	85		May 25, 1963	.98	44
	June 3, 1957	-	a215				
	June 5, 1957	1.92	(b)				

a Maximum observed. b Discharge unknown.

1475. Payson Creek above diversions, near Payson, Utah

Location.--Lat 39°58'10", long 111°41'35", in SE¼SE¼ sec.3, T.10 S., R.2 E., on left bank a quarter of a mile above diversion dam for Strawberry Water Users Association powerplant, 5 miles southeast of Payson, and 12 miles upstream from Utah Lake.

Drainage area.--18.8 sq mi. Mean altitude, 7,610 ft.

Gage.--Recording. Altitude of gage is 5,670 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements below 150 cfs. Moderate shifting at medium and high stage.

Remarks.--Base for partial-duration series, 80 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1948	Apr. 21, 1948	-	84	1955	May 6, 1955	2.68	294
	Apr. 28, 1948	-	103				
	May 6, 1948	-	177	1956	Apr. 21, 1956	1.91	70
	May 14, 1948	2.69	194				
				1957	May 8, 1957	2.54	180
1949	Apr. 27, 1949	2.30	139		May 19, 1957	2.76	203
	May 2, 1949	-	111		May 28, 1957	2.68	197
	May 10, 1949	-	86				
	May 17, 1949	-	109	1958	May 10, 1958	2.60	171
					May 20, 1958	2.70	191
1950	Apr. 23, 1950	-	107				
	May 16, 1950	2.29	140	1959	May 1, 1959	1.69	44
1951	May 20, 1951	1.70	61	1960	May 11, 1960	2.36	109
1952	May 4, 1952	2.99	465	1961	May 1, 1961	1.72	39
	May 20, 1952	2.70	367				
				1962	Apr. 19, 1962	2.42	117
1953	May 20, 1953	2.22	281		Apr. 24, 1962	2.73	186
					May 6, 1962	3.00	300
1954	May 6, 1954	1.08	71				

1480. Payson Creek near Payson, Utah
(Published as "Peteetneet Creek" 1911-16)

Location.--Lat 40°00', long 111°42', in SE¼SW¼ sec.27, T.9 S., R.2 E., about half a mile upstream from power canal intake and 3 miles southeast of Payson.

Drainage area.--28 sq mi, approximately.

Gage.--Nonrecording. Altitude of gage is 5,060 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 170 cfs.

Remarks.--Flow partly regulated by several small reservoirs upstream. Records furnished by Bureau of Reclamation. Only annual maximum observed discharges are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1911	May 10, 1911	2.18	38.7	1915	Apr. 24, 1915	3.20	93
1912	May 24, 1912	3.74	122				
1913	Apr. 29, 1913	3.60	154	1916	Apr. 27, 1916	-	165
1914	May 10, 1914	4.02	200				

1483. Dairy Fork near Thistle, Utah

Location.--Lat 39°58', long 111°21', in center of sec.11, T.10 S., R.5 E., on left bank 0.6 mile upstream from mouth, and 9 miles east of Thistle.

Drainage area.--11 sq mi, approximately.

Gage.--Crest-stage gage. Altitude of gage is 5,750 ft (from topcgraphic map).

Stage-discharge relation.--Defined by current-meter measurement at 0.57 cfs and slope-area measurements at 191 cfs and 805 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	July 14, 1959	13.88	805	1962	Mar. 27, 1962	11.25	180
1960	July 31, 1960	11.31	191	1963	Aug. 9, 1963	10.65	110
1961	Aug. 3, 1961	11.87	285				

1485. Spanish Fork at Thistle, Utah

Location.--Lat 40°00', long 111°30', in NE¼SE¼ sec.29, T.9 S., R.4 E., on right bank at Thistle, 600 ft downstream from confluence of Soldier Fork and Thistle Creek and 2½ miles upstream from Diamond Fork.

Drainage area.--490 sq mi, approximately. Mean altitude, 7,130 ft.

Gage.--Nonrecording prior to Oct. 8, 1938; recording thereafter. Prior to Nov. 21, 1912, at site 1 mile downstream at different datum. Nov. 21, 1912, to Dec. 31, 1925, at site 600 ft upstream at different datum. Jan. 1, 1933, to May 10, 1937, at site 800 ft upstream at different datum. May 12, 1937, to June 27, 1960, at site 800 ft upstream at datum 2.42 ft higher. Datum of gage is 5,027.28 ft above mean sea level, datum of 1929.

Stage-discharge relation.--Defined by current-meter measurements below 800 cfs. Moderate shifting at medium and high stage.

Remarks.--Base for partial-duration series, 330 cfs. Only annual peaks are shown prior to 1948 (maximum observed 1908-25, 1933-36, 1938).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1908	July 28, 1908	5.25	582	1940	May 13, 1940	3.50	348
1909	June 4,5, 1909	5.1	865				
1910	Apr. 29, 1910	4.1	485	1941	May 13, 1941	3.84	464
				1942	May 27, 1942	3.87	461
1911	Jan. 25, 1911	4.20	522	1943	Feb. 22, 1943	3.62	375
1912	May 29, 1912	4.00	327	1944	May 10, 1944	4.40	638
1913	May 10, 1913	3.90	434	1945	Feb. 4, 1945	4.06	510
1914	May 10, 1914	5.90	920				
1915	May 3, 1915	4.98	320	1946	Apr. 27, 1946	3.50	334
				1947	May 8, 1947	4.04	473
1916	May 9, 1916	6.15	822				
1917	June 10, 1917	6.30	733	1948	June 26, 1948	3.65	360
1918	May 19-26, 1918	-	283				
1919	May 5, 1919	-	352	1949	May 18, 1949	3.74	386
1920	May 24, 1920	7.50	1,010		July 3, 1949	3.59	350
					Aug. 9, 1949	4.85	710
1921	May 16, 1921	-	660				
1922	May 26, 1922	-	1,250	1950	May 25, 1950	3.94	411
1923	May 21, 1923	7.28	876		July 17, 1950	4.12	442
1924	May 13-17, 1924	5.49	215				
1925	July 4, 1925	-	187	1951	May 21, 1951	3.53	298
1933	June 2, 1933	-	474	1952	Apr. 28, 1952	7.15	1,530
1934	Jan. 1, 1934	-	54		May 4, 1952	7.96	1,800
1935	May 28, 1935	-	401		May 12, 1952	7.58	1,460
					May 21, 1952	6.75	1,040
1936	May 5, 1936	3.13	558				
1937	May 10, 1937	-	a750	1953	July 28, 1953	4.53	371
1938	May 17, 1938	4.23	577				
1939	Mar. 17, 1939	4.10	556	1954	Sept.26, 1954	3.59	203

a Maximum daily.

Peak stages and discharges of Spanish Fork at Thistle, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1955	Mar. 14, 1955	4.81	530	1959	July 14, 1959	5.60	686
	Aug. 6, 1955	4.85	554	1960	Sept. 5, 1960	7.31	1,240
1956	Aug. 13, 1956	4.18	357	1961	Aug. 3, 1961	4.92	611
1957	May 6, 1957	4.17	376	1962	Feb. 12, 1962	-	630
	May 19, 1957	4.28	423		Mar. 28, 1962	4.66	541
	June 4, 1957	5.03	565		Apr. 25, 1962	4.21	430
1958	Apr. 19, 1958	4.32	342		May 7, 1962	4.56	503
	May 11, 1958	5.03	565	1963	Aug. 7, 1963	3.86	322
	May 23, 1958	5.42	609				
	Sept. 3, 1958	4.52	339				

1495. Diamond Fork below Red Hollow, near Thistle, Utah

Location.--Lat 40°04'40", long 111°24'00", in NW¼ sec.32, T.8 S., R.5 E., on right bank 0.5 mile downstream from Red Hollow, 7.2 miles upstream from mouth, and 8 miles northeast of Thistle.

Drainage area.--110 sq mi, approximately.

Gage.--Recording. Altitude of gage is 5,300 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 500 cfs.

Remarks.--Flow includes water diverted from Strawberry Reservoir (capacity, 270,000 acre-ft) in Colorado River basin via Strawberry tunnel for irrigation in the vicinity of Spanish Fork. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1954	July 13, 1954	4.71	1,020	1959	June 24, 1959	3.35	566
1955	Aug. 25, 1955	3.53	576	1960	June 24, 1960	3.21	479
1956	June 27, 1956	3.56	519	1961	May 25, 1961	3.14	458
1957	July 7, 1957	3.69	539	1962	June 29, 1962	3.43	599
1958	July 9, 1958	3.37	478	1963	Aug. 19, 1963	3.85	725

1500. Diamond Fork near Thistle, Utah

Location.--Lat 40°03'50", long 111°26'30", in NW¼ sec.1, T.9 S., R.4 E., on left bank about 0.4 mile downstream from Little Diamond Creek, 5.0 miles upstream from mouth, and 5.2 miles northwest of Thistle.

Drainage area.--146 sq mi.

Gage.--Nonrecording prior to Apr. 9, 1940, at site 4 miles downstream at different datum; recording thereafter. Apr. 9, 1940, to Oct. 6, 1949, at site 2.7 miles downstream at different datum. Altitude of gage is 5,140 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 720 cfs prior to 1940, below 540 cfs 1940 to 1949, and below 330 cfs after 1949.

Remarks.--Beginning in 1915, flow includes water diverted from Strawberry Reservoir in Colorado River basin via Strawberry tunnel. Only annual peaks are shown (maximum observed prior to 1940).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1908	June 17, 1908	-	59	1913	May 16, 1913	-	178
1909	May 9, 1909	-	735	1914	May 5, 1914	-	364
1910	Apr. 12, 1910	-	286	1915	July 17, 1915	-	124
1911	May 13, 1911	-	76	1916	May 7, 1916	-	457
1912	May 20, 1912	-	170	1917	July 28, 1917	-	560

Peak stages and discharges of Diamond Fork near Thistle, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1940	June 20, 1940	2.97	535	1947	Aug. 21, 1947	3.96	556
				1948	July 10, 1948	3.75	586
1941	June 27, 1941	3.07	579	1949	Aug. 8, 1949	3.36	766
1942	July 9, 1942	3.07	470				
1943	June 30, 1943	3.07	486	1951	July 1, 1951	4.25	550
1944	July 7, 1944	3.76	541	1952	May 4, 1952	5.18	1,610
1945	July 8, 1945	3.52	532	1953	July 2, 1953	a5.07	532
1946	June 29, 1946	3.64	565	1955	Aug. 1, 1955	6.17	510

a Occurred June 26, 1953.

1505. Spanish Fork at Castilla, Utah
(Published as "near Spanish Fork" 1889-90, 1903-8)

Location.--Lat 40°03'00", long 111°32'50", in SW¼NE¼ sec.12, T.9 S., R.3 E., on left bank 600 ft upstream from outlet of Cold Springs, 1 mile upstream from diversion dam of Bureau of Reclamation, 1¼ miles northwest of Castilla, and 3 miles downstream from Diamond Fork.

Drainage area.--670 sq mi, approximately.

Gage.--Nonrecording prior to Apr. 15, 1920; recording thereafter. Prior to May 3, 1919, at various sites 1½ to 2½ miles downstream below power canal at different datums. May 3, 1919, to Apr. 16, 1940, at present site upstream from power canal at datum 2.00 ft lower. Altitude of gage if 4870 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 2,800 cfs.

Remarks.--Flow since June 1915 includes water diverted from Strawberry Reservoir (capacity, 270,000 acre-ft) in Colorado River basin via Strawberry tunnel for irrigation in vicinity of Spanish Fork. Only annual peaks are shown (maximum observed prior to 1909; maximum daily 1909-1936).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1890	May 1890	-	1,040	1936	May 5, 1936	-	890
				1937	May 10, 1937	6.78	1,010
1903	June 3, 1903	-	388	1938	May 17, 1938	5.87	694
1904	May 16, 1904	-	415	1939	May 31, 1939	6.80	905
1905	May 23, 1905	-	410	1940	June 20, 1940	5.87	541
1906	May 12, 1906	-	907	1941	Aug. 10, 1941	4.88	776
1907	May 21, 1907	-	1,970	1942	May 26, 1942	4.72	627
1908	July 29, 1908	-	318	1943	Aug. 11, 1943	4.79	568
1909	May 11, 1909	-	1,530	1944	May 10, 1944	5.42	923
1910	Apr.27-29, 1910	-	777	1945	May 12, 1945	4.94	696
1911	Jan. 31, 1911	-	785	1946	Apr. 21, 1946	4.96	645
1912	May 30, 1912	-	581	1947	July 8, 1947	5.20	664
1913	May 12, 1913	-	545	1948	July 11, 1948	5.25	664
1914	May 10, 1914	-	1,290	1949	July 3, 1949	5.79	841
1915	Apr. 30, 1915	-	330	1950	June 29,30,1950	5.44	679
1916	Apr.29,May 9,1916	-	1,000	1951	July 5, 1951	5.49	622
1917	May 16, 1917	-	1,110	1952	May 3, 1952	9.83	3,610
				1953	June 4, 1953	5.55	618
1919	July 2, 1919	-	528	1954	July 13, 1954	5.77	622
1920	May 22, 1920	-	1,520	1955	Aug. 7, 1955	5.98	732
1921	May 16, 1921	-	998	1956	Aug. 13, 1956	6.04	688
1922	May 7, 1922	-	1,440	1957	June 4, 1957	6.16	758
1923	May 20, 1923	-	1,140	1958	May 21, 1958	7.03	880
1924	May 9, 1924	-	603	1959	July 14, 1959	7.30	958
1925	July 1, 1925	-	586	1960	Sept. 5, 1960	7.04	656
1933	June 1,2, 1933	-	617	1961	Aug. 3, 1961	7.00	622
				1962	Feb. 12, 1962	7.47	1,030
1935	May 28, 1935	-	551	1963	Aug. 7, 1963	7.47	712

1515. Spanish Fork near Spanish Fork, Utah

Location.--Lat 40°04', long 111°34', in middle half of S½ sec.2, T.9 S., R.3 E., half a mile downstream from Bureau of Reclamation power canal, about half a mile upstream from intake of East Bench Canal, and 5 miles southeast of Spanish Fork.

Drainage area.--670 sq mi, approximately.

Gage.--Nonrecording. Prior to July 31, 1912, at site about half a mile downstream and about 600 ft upstream from East Bench Canal diversion at different datum. Aug. 1 to Dec. 31, 1912, at site about a quarter of a mile downstream at different datum.

Stage-discharge relation.--Defined by current-meter measurements below 720 cfs.

Remarks.--Diversion by Bureau of Reclamation power canal half a mile upstream and after June 1915 by transmountain diversion from Strawberry Reservoir. Records Jan. 1, 1911, to Sept. 30, 1917, furnished by Bureau of Reclamation. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1909	May 11, 1909	5.6	a1,550	1914	May 10, 1914	9.83	1,200
1910	Apr. 28, 1910	-	724	1915	Apr. 30, 1915	5.88	283
1911	Jan. 31, 1911	2.55	694	1916	Mar. 21, 1916	9.08	879
1912	May 30, 1912	2.16	500	1917	May 16, 1917	9.47	1,020
1913	May 12, 1913	7.38	459				

a Maximum observed.

1520. Spanish Fork near Lake Shore, Utah
(Published as "at Lake Shore" 1909,1913-25)

Location.--Lat 40°09'30", long 111°43'50", in SE¼SE¼ sec.32, T.7 S., R.2 E., on left bank 1 mile upstream from mouth and 2½ miles north of Lake Shore.

Drainage area.--700 sq mi, approximately.

Gage.--Nonrecording prior to Jan. 23, 1938, at several sites about 3 miles upstream at various datums; recording thereafter. Jan. 23, 1938, to Mar. 23, 1953, at different datums. Mar. 24, 1953, to Sept. 15, 1957, at datum 4.0 ft higher. Altitude of gage is 4,500 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 530 cfs.

Remarks.--Flow is regulated by many small diversions for irrigation. Records for 1911-25 furnished by Bureau of Reclamation. Only annual peaks are shown (maximum observed prior to 1938).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1904	May 11,12,13,1904	-	333	1921	May 5, 1921	-	671
1905	Apr. 10, 1905	-	129	1922	May 7, 1922	-	1,100
				1923	May 13, 1923	-	1,060
1906	May 6, 1906	-	552	1924	July 3, 1924	-	179
1907	May 21, 1907	-	608	1925	July 5, 1925	-	276
1909	May 11, 1909	-	1,430	1938	May 19, 1938	8.18	437
1910	Mar. 23, 1910	-	675	1939	Mar. 18, 1939	9.16	449
				1940	Mar. 28, 1940	6.45	252
1911	Jan. 31, 1911	-	870				
1912	May 31, 1912	-	213	1941	Aug. 11, 1941	6.42	220
1913	Apr. 2, 1913	-	945	1942	Apr. 12, 1942	9.17	382
1914	May 11, 1914	-	942	1943	Mar. 10, 1943	8.98	334
1915	Apr. 22, 1915	-	336	1944	May 15, 1944	-	a720
				1945	May 9, 1945	-	541
1916	Apr. 29, 1916	-	792				
1917	May 16, 1917	-	925	1946	Apr. 19, 1946	-	548
1918	Mar. 25, 1918	-	543	1947	Mar. 23, 1947	-	a360
1919	Apr. 21, 1919	-	327	1948	Apr. 22, 1948	7.25	338
1920	May 23, 24,1920	-	1,030	1949	May 21, 1949	-	325

a Maximum daily.

Peak stages and discharges of Spanish Fork near Lake Shore, Utah--Contined

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	May 18, 1950	-	366	1957	May 30, 1957	4.68	512
				1958	Apr. 19, 1958	9.65	568
1951	Apr. 10, 1951	-	236	1959	Mar. 4, 1959	5.24	159
1952	Apr. 28, 1952	-	3,020	1960	Sept. 6, 1960	7.47	357
1953	Apr. 25, 1953	3.67	233				
1954	Apr. 14, 1954	2.73	189	1961	Mar. 16, 1961	5.47	156
1955	Mar. 14, 1955	5.12	477	1962	Feb. 13, 1962	9.92	609
				1963	Feb. 1, 1963	6.69	344
1956	Jan. 16, 1956	2.90	253				

1525. Hobble Creek near Springville, Utah

Location.--Lat 40°09'30", long 111°31'30", in NE¼ sec.6, T.8 S., R.4 E., on right bank 1,000 ft downstream from Springville hydroelectric plant, 1¼ miles downstream from Right Fork, and 4 miles southeast of Springville.

Drainage area.--105 sq mi. Mean altitude, 7,110 ft.

Gage.--Nonrecording prior to Apr. 17, 1945; recording thereafter. Prior to June 1, 1909, at site 200 ft downstream at different datum (destroyed by flood). June 1, 1909, to Dec. 31, 1916, at site 800 ft upstream at different datum. Apr. 17, 1945, to July 23, 1952, at datum 1.70 ft higher. Altitude of gage is 4,920 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 300 cfs. Considerable shifting at high stages.

Remarks.--Base for partial-duration series, 120 cfs. Only annual peaks are shown prior to 1945 (maximum observed prior to 1917).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1904	May 6, 1904	4.10	188	1950	Apr. 23, 1950	3.64	266
1905	May 22, 1905	2.45	132		May 17, 1950	3.37	234
1906	Apr. 18, 1906	4.0	532	1951	Apr. 30, 1951	3.24	212
	May 6,13,1906	4.0	532				
1907	June 4, 1907	3.6	a410	1952	May 4, 1952	7.83	1,250
1908	June 15, 1908	2.20	112				
1909	May 6-8, 1909	-	820	1953	Apr. 23, 1953	2.90	145
1910	Mar.22,23,1910	5.40	343				
				1954	Apr. 24, 1954	2.46	71
1911	May 10, 1911	4.15	92				
1912	May18-20,1912	5.10	189	1955	May 7, 1955	2.96	119
1913	Apr. 18, 1913	5.55	268				
1914	Apr. 16, 1914	6.37	461	1956	Apr. 24, 1956	3.86	196
1915	Apr.22,23,1915	4.30	118		May 6, 1956	3.57	154
1916	Apr. 29, 1916	6.40	824	1957	Apr. 18, 1957	3.07	132
					May 6, 1957	4.02	289
1945	Apr. 22, 1945	2.64	166		June 6, 1957	3.82	248
	May 6, 1945	4.09	393				
				1958	Apr. 18, 1958	4.24	351
1946	Apr. 21, 1946	4.08	385		May 6, 1958	4.91	398
1947	Mar. 23, 1947	2.87	134	1959	May 11, 1959	2.46	44
	Apr. 22, 1947	3.16	186				
	May 5, 1947	3.53	261	1960	Apr. 11, 1960	2.70	73
1948	Apr. 16, 1948	3.68	294	1961	Apr. 21, 1961	2.21	20
	Apr. 21, 1948	4.06	378				
	Apr. 29, 1948	3.84	325	1962	Apr. 19, 1962	4.59	426
					Apr. 26, 1962	4.39	347
1949	Apr. 24, 1949	3.90	344		May 7, 1962	3.92	268
	May 19, 1949	3.02	150				
				1963	Feb. 1, 1963	4.74	458
1950	Apr. 7, 1950	3.16	174		May 6, 1963	3.50	162

a During period June to September, 1907.

1535. Provo River near Kamas, Utah

Location.--Lat 40°35'00", long 110°00'30", in NE¼ sec.2, T.3 S., R.8 E., on right bank 3 miles upstream from Soapstone Creek and 14 miles east of Kamas.

Drainage area.--29.6 sq mi. Mean altitude, 9,710 ft.

Gage.--Recording. Altitude of gage is 8,110 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurement below 800 cfs.

Remarks.--Flow regulated by several small lakes at headwaters, which have dams and outlet works. Combined regulated capacity, 10,841 acre-ft. Station is immediately above outlet of Duchesne tunnel. Base for partial-duration series, 400 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	June 1, 1950	3.26	591	1956	May 19, 1956	3.10	494
	June 5, 1950	3.16	539		June 1, 1956	3.26	536
	June 13, 1950	2.94	465	1957	June 6, 1957	3.66	825
1951	May 27, 1951	3.49	765	1958	May 26, 1958	3.39	554
	June 15, 1951	2.95	495	1959	June 6, 1959	2.82	314
1952	May 14, 1952	2.83	459				
	June 6, 1952	3.09	554	1960	May 12, 1960	3.08	456
1953	June 13, 1953	3.13	576	1961	May 11, 1961	2.55	204
1954	May 9, 1954	2.58	345	1962	June 13, 1962	3.14	430
1955	May 22, 1955	2.83	454	1963	May 20, 1963	3.10	394

1550. Provo River near Hailstone, Utah

Location.--Lat 40°36', long 111°22', in SE¼ sec.34, T.2 S., R.5 E., on right bank 3 miles upstream from Ross Creek and Hailstone.

Drainage area.--233 sq mi. Mean altitude, 8,600 ft.

Gage.--Recording. Altitude of gage is 6,100 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 3,100 cfs. Unstable above 2,000 cfs.

Remarks.--Records include flow of Weber-Provo diversion canal and Duchesne tunnel. Flow affected by irrigation diversions above station and by storage in several small reservoirs at headwaters. Base for partial-duration series, 1,200 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	June 2, 1950	6.24	2,150	1957	May 11, 1957	4.68	1,300
	June 7, 1950	5.81	1,850		May 19, 1957	4.72	1,300
	June 14, 1950	5.22	1,350		June 4, 1957	7.28	3,880
1951	May 29, 1951	6.43	2,190		June 30, 1957	5.76	2,170
	June 17, 1951	4.84	1,250	1958	May 12, 1958	4.77	1,560
1952	May 6, 1952	5.69	1,730		May 22, 1958	6.30	2,820
	May 15, 1952	5.72	1,820		June 7, 1958	5.64	1,970
	May 31, 1952	5.65	1,820	1959	June 8, 1959	5.55	1,740
1953	June 14, 1953	6.03	2,220	1960	May 13, 1960	6.08	a2,220
1954	May 14, 1954	4.70	1,480	1961	May 29, 1961	4.39	1,090
1955	May 12, 1955	5.10	1,630	1962	May 7, 1962	6.38	-
	May 23, 1955	5.20	1,670		June 12, 1962	-	a3,050
	June 10, 1955	5.74	2,020	1963	Feb. 1, 1963	6.80	a3,280
1956	May 10, 1956	4.79	1,540				
	May 20, 1956	6.32	3,030				

a Annual peak only.

1555. Provo River near Charleston, Utah

Location.--Lat 40°29', long 111°28', in SW¼ sec.11, T.4 S., R.4 E., 900 ft upstream from Snake Creek and 1½ miles northeast of Charleston.

Drainage area.--380 sq mi, approximately.

Gage.--Recording. Prior to Oct. 16, 1943, at different site and datum. Oct. 16, 1943, to Sept. 30, 1945, at datum 0.85 ft higher. Altitude of gage is about 5,460 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 1,700 cfs.

Remarks.--Records prior to October 1945, furnished by Bureau of Reclamation. Many diversions above station for irrigation. Records include flow of Weber-Provo diversion canal. Base for partial-duration series, 800 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1938	May 16, 1938	3.35	1,630	1945	June 6, 1945	2.75	1,250
	May 29, 1938	3.65	1,650		June 23, 1945	2.59	1,100
1939	May 5, 1939	2.33	633	1946	Apr. 21, 1946	3.61	1,280
1940	May 16, 1940	2.81	720		June 6, 1946	3.26	1,030
1941	May 14, 1941	3.05	1,030	1947	May 5, 1947	2.57	1,470
					May 28, 1947	2.85	1,620
1942	May 27, 1942	3.56	1,300		June 9, 1947	2.77	1,550
	June 8, 1942	2.72	843	1948	May 20, 1948	3.45	1,160
1943	Apr. 24, 1943	3.22	1,110	1949	May 4, 1949	3.40	966
	May 4, 1943	3.62	1,330		May 15, 1949	3.91	1,330
	May 29, 1943	3.00	995		May 27, 1949	3.76	1,230
					June 12, 1949	3.51	1,060
1944	May 15, 1944	3.31	1,580				
	June 2, 1944	3.22	1,640	1950	June 2, 1950	4.27	1,740
					June 7, 1950	3.86	1,430
1945	May 11, 1945	2.74	1,230		June 14, 1950	3.42	1,100

1560. Snake Creek near Charleston, Utah

Location.--Lat 40°29', long 111°28', in SW¼ sec.11, T.4 S., R.4 E., 600 ft upstream from mouth and 1½ miles northeast of Charleston.

Drainage area.--38.6 sq mi.

Gage.--Recording. Altitude of gage is 5,460 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Records prior to October 1945, furnished by Bureau of Reclamation. Diversions above station for irrigation. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1939	Mar. 25, 1939	-	63	1945	June 5, 1945	-	91
1940	May 20, 1940	-	59				
				1946	May 10, 1946	2.68	91
1941	June 9, 1941	-	70	1947	June 20, 1947	2.48	86
1942	May 27, 1942	-	74	1948	May 20, 1948	2.37	88
1943	June 4, 1943	3.06	126	1949	May 20, 1949	2.77	90
1944	June 3, 1944	-	111	1950	May 29, 1950	2.58	81

1585. Round Valley Creek near Wallsburg, Utah

Location.--Lat 40°24'30", long 111°28'30", in SE¼ sec.3, T.5 S., R.4 E., 1,900 ft upstream from high-water line of Deer Creek Reservoir and 3½ miles northwest of Wallsburg.

Drainage area.--71.9 sq mi.

Gage.--Recording. Prior to Mar. 20, 1940, at site 500 ft downstream at different datum. Altitude of gage is 5,480 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 110 cfs prior to March 1940 and below 140 cfs thereafter.

Remarks.--Records prior to October 1945, furnished by Bureau of Reclamation. Many diversions above station for irrigation. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1939	Mar. 16, 1939	2.55	201	1945	May 8, 1945	-	163
1940	Feb. 28, 1940	-	40				
				1946	Apr. 21, 1946	3.24	179
1941	May 13, 1941	-	90	1947	May 4, 1947	2.85	96
1942	Dec. 3, 1941	-	78	1948	Apr. 30, 1948	3.48	120
1943	Mar. 9, 1943	-	93	1949	Apr. 25, 1949	3.72	115
1944	(a)	-	105	1950	Apr. 27, 1950	4.26	161

a Occurred between May 6 and 20, 1944.

1595. Provo River below Deer Creek Dam, Utah

Location.--Lat 40°24'10", long 111°31'45", in NE¼NE¼ sec.7, T.5 S., R.4 E., on right bank 200 ft upstream from Deer Creek, 1,000 ft downstream from Deer Creek Dam, and 4 miles northeast of Vivian Park.

Drainage area.--560 sq mi.

Gage.--Recording. Altitude of gage is 5,270 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow affected by regulation of Deer Creek Reservoir and by irrigati diversions above and water diverted to Provo River by Weber-Provo diversi canal and Duchesne tunnel. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1953	June 26, 1953	4.23	a669	1959	June 12, 1959	3.92	595
1954	May 16, 1954	3.96	557	1960	June 7, 1960	4.18	690
1955	July 13, 1955	4.11	649				
				1961	June 12, 1961	3.47	463
1956	June 3, 1956	6.34	1,860	1962	June 23, 1962	6.04	1,730
1957	June 26, 1957	6.74	2,190	1963	June 16, 1963	5.97	1,610
1958	June 8, 1958	6.07	1,690				

a Maximum for period May to September.

1600. Deer Creek near Wildwood, Utah

Location.--Lat 40°24'30", long 111°32'00", in NE¼ sec.7, T.5 S., R.4 E., 1,000 ft upstream from mouth and 2 miles northeast of Wildwood.

Drainage area.--26 sq mi, approximately. Mean altitude, 7,450 ft.

Gage.--Recording. Altitude of gage is 5,300 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 85 cfs.

Remarks.--Base for partial-duration series, 50 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges of Deer Creek near Wildwood, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1939	Apr. 9, 1939	-	28	1947	Apr. 20, 1947	-	42
1940	Apr. 14, 1940	-	17	1948	Apr. 28, 1948	-	92
1941	May 2, 1941	-	48	1949	Apr. 23, 1949	-	73
1942	Apr. 13, 1942	-	68	1950	Apr. 13, 1950	-	62
1943	Apr. 22, 1943	-	59		Apr. 23, 1950	1.29	91
1945	May 3, 1945	-	99		May 17, 1950	-	58
1946	Apr. 18, 1946	-	76				

1605. Provo River near Wildwood, Utah

Location.--Lat 40°24', long 111°32', in NE¼ sec.7, T.5 S., R.4 E., 1,500 ft downstream from Deer Creek, half a mile downstream from Deer Creek Reservoir, and 2 miles northeast of Wildwood.

Drainage area.--590 sq mi, approximately.

Gage.--Recording. Prior to May 13, 1941, at site about two-thirds of a mile downstream at datum 11.70 ft lower.

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Station is below diversions for irrigation in Heber Valley and above those in vicinity of Provo. Flow regulated by Deer Creek Reservoir and small lakes at headwaters that serve as reservoirs. Small transmountain diversions from Strawberry River drainage to Daniels Creek. Includes flow of Weber-Provo diversion canal. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1939	May 5, 1939	-	766	1945	May 5, 1945	-	844
1940	May 16, 1940	-	796	1946	May 15, 1946	3.92	891
1941	June 12, 1941	-	809	1947	May 14, 1947	3.99	897
1942	May 28, 1942	-	900	1948	May 22, 1948	4.59	1,350
1943	May 6, 1943	-	976	1949	May 27, June 12, 1949	4.65	1,440
1944	June 11, 1944	-	1,100				

1610. Provo River at Vivian Park, Utah
(Published as "at Forks" 1911-37)

Location.--Lat 40°21'40", long 111°33'45", in NW¼NW¼ sec.25, T.5 S., R.3 E., on right bank half a mile downstream from North Fork, 3,500 ft northwest of Vivian Park, and three-quarters of a mile upstream from South Fork.

Drainage area.--600 sq mi, approximately.

Gage.--Nonrecording prior to Nov. 13, 1933, at site three-quarters of a mile downstream at different datum; recording thereafter. Altitude of gage is 5,200 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 3,000 cfs.

Remarks.--Flow regulated by Deer Creek Reservoir since December 1940. Flow also affected by irrigation diversions above reservoir. Records include flow of Weber-Provo diversion canal and Duchesne tunnel. Only annual peaks are shown (maximum observed prior to 1935).

Peak stages and discharges of Provo River at Vivian Park, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1912	June 8, 1912	-	2,110	1938	May 17, 1938	-	1,800
1913	Apr. 30, 1913	-	1,160	1939	Mar. 23, 1939	-	806
1914	May 24, 1914	-	1,900	1940	May 16, 1940	-	869
1915	June 2, 12, 1915	-	714	1941	June 14, 1941	-	855
1916	Mar. 21, 1916	-	1,820	1942	May 29, 1942	-	955
1917	June 19, 1917	-	2,450	1943	May 5,6, 1943	-	1,010
1918	June 11, 1918	-	1,310	1944	June 11, 1944	-	1,200
1919	May 23, 1919	-	1,240	1945	June 14, 1945	-	921
1920	May 22, 1920	-	2,300	1946	May 15, 1946	-	837
1921	June 11, 1921	-	3,180	1947	Dec. 8, 1946	-	1,090
1922	May 26, 1922	-	2,580	1948	May 23, 1948	5.32	1,500
1923	May 27, 1923	-	2,440	1949	June 12, 1949	5.32	1,420
1924	May 18, 1924	-	800	1950	June 3, 1950	6.04	1,920
1925	May 22, 1925	-	695	1951	May 31, 1951	6.00	1,950
1926	May 21, 1926	-	1,250	1952	May 9, 1952	7.65	3,050
1927	May 18, 1927	-	1,960	1953	June 24, 26, 1953	3.67	730
1928	May 15, 1928	-	1,700	1954	May 16, 1954	3.33	601
1929	May 26, 1929	-	1,510	1955	July 14, 1955	3.87	663
1930	May 30, 31, 1930	-	1,100	1956	June 4, 1956	5.64	1,760
1931	May 18, 1931	-	403	1957	June 26, 1957	6.25	2,180
1932	May 23, 1932	-	1,860	1958	June 8, 1958	5.58	1,700
1933	June 4, 1933	-	1,370	1959	June 13, 1959	3.51	619
1934	Apr. 25, 1934	-	252	1960	June 7, 1960	3.53	593
1935	June 11, 1935	-	1,780	1961	June 23, 1961	3.09	477
1936	May 16, 1936	-	1,670	1962	June 24, 1962	5.62	1,780
1937	May 31, 1937	-	1,620	1963	June 16, 1963	5.43	1,760

1615. South Fork Provo River at Vivian Park, Utah
(Published as "at Forks" 1911-37)

Location.--Lat 40°21'10", long 111°34'10", in NW¼SE¼ sec.26, T.5 S., R.3 E., on right bank a quarter of a mile southeast of Vivian Park and half a mile upstream from mouth.

Drainage area.--30 sq mi, approximately.

Gage.--Nonrecording prior to June 15, 1913, at site half a mile downstream at different datum and June 15, 1913, to Nov. 21, 1933, at site a quarter of a mile downstream at different datum; recording and Parshall flume thereafter. Altitude of gage is 5,240 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 87 cfs. Minor shifting probably caused by changes in velocity of approach at flume.

Remarks.--Flow affected by irrigation diversions upstream. Only annual peaks are shown (maximum observed prior to 1934).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1912	June 10, 1912	4.05	74	1928	May 28, 1928	1.68	71
1913	June 5, 1913	2.32	47	1929	May 26, 1929	1.76	79
1914	May 18, 1914	2.91	58	1930	Oct. 9,10,	1.44	37
1915	Oct.4, Dec.4,6, 1914	2.70	44		Nov. 11, 12, Dec. 1,2, 1929		
1916	May 12, 1916	.76	50	1931	Oct.11-15,1930	1.30	27
1917	May 16-20, 1917	.92	72	1932	May 21, 1932	1.86	104
1918	Sept.23, 1918	.66	45	1933	June 6, 1933	1.52	40
1919	May 30, 1919	.62	45	1934	Dec. 13, 1933	.94	32
1920	May 24, 1920	1.40	96	1935	June 11, 1935	.96	32
1921	May 31, 1921	1.40	85	1936	May 16, 1936	1.39	56
1922	May 27, 1922	1.78	123	1937	May 18, 1937	1.67	73
1923	May 27, 1923	1.88	106	1938	May 18, 1938	1.46	60
1924	Oct. 9, 1923	1.68	46	1939	July 29, 1939	1.36	54
1925	Sept.19, 1925	1.48	39	1940	Oct. 18, 1939	.93	31
1926	May 5, 1926	1.60	55	1941	May 14, 1941	1.20	46
1927	May 18, 1927	1.90	83	1942	May 27, 1942	1.39	59

Peak stages and discharges of South Fork Provo River at Vivian Park, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	Mar. 9, 1943	1.46	65	1954	Jan. 25, 1954	1.09	39
1944	June 2, 1944	1.17	44	1955	Nov. 16, 1954	.79	24
1945	Feb. 2, 1945	1.45	62	1956	Dec. 23, 1955	1.00	33
1946	Oct. 12, 1945	1.10	41	1957	June 7, 1957	1.25	49
1947	Oct. 1, 1946	1.58	71	1958	May 27, 1958	1.29	55
1948	May 21, 1948	1.25	48	1959	Oct. 3, 1958	.81	25
1949	May 19, 1949	1.34	54	1960	Feb. 8, 1960	.72	20
1950	June 1, 1950	1.37	59	1961	Aug. 31, 1961	.62	15
1951	May 28, 1951	1.49	61	1962	Apr. 28, 1962	.81	24
1952	May 6, 1952	1.90	102	1963	Feb. 1, 1963	-	a500
1953	Oct. 1, 1952	1.18	49				

a Estimated on basis of field survey.

1620. Provo River above Telluride Power Co.'s dam, near Provo, Utah
(Published as "Provo River near Provo" 1911)

Location.--Lat 40°21'10", long 111°34'50", in NW¼SW¼ sec.26, T.5 S., R.3 E., a quarter of a mile downstream from South Fork, three-quarters of a mile upstream from dam formerly owned by Telluride Power Co., 1¼ miles downstream from North Fork, and about 11 miles northeast of Provo.

Drainage area.--640 sq mi, approximately.

Gage.--Nonrecording. Prior to July 24, 1908, a quarter of a mile downstream at different datum. Altitude of gage is 5,180 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,900 cfs prior to July 1908 and below 2,200 cfs after July 1908.

Remarks.--Diversions for irrigation above station. Only annual maximum observed discharges are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1905	June 9, 1905	6.10	1,220	1908	June 16, 1908	7.00	1,800
				1909	June 7, 1909	8.50	3,620
1906	June 14, 1906	7.10	1,860	1910	Apr. 28, 1910	4.70	1,450
1907	May 24, June 8, 1907	7.90	2,340	1911	Jan. 31, 1911	5.75	1,920

1630. Provo River at Provo, Utah
(Published as "at San Pedro, Los Angeles, and Salt Lake Railroad bridge near Provo", 1903-4 and as "at Rio Grande Western Railway bridge near Provo" 1905)

Location.--Lat 40°14'15", long 111°41'55", in NW¼SE¼ sec.3, T.7 S., R.2 E., on left bank 1,300 ft downstream from bridge on State Highway 114, 2 miles west of Provo, and 2 miles upstream from mouth.

Drainage area.--680 sq mi, approximately.

Gage.--Nonrecording prior to October 1934; recording thereafter. May 1903 to June 1905, at site three-quarters of a mile upstream at different datums. May 1933 to September 1934, at present site at different datum. January 1937 to November 1938, at site 1,000 ft upstream at different datum. November 1938 to Aug. 23, 1957, at present site at datum 2.00 ft higher.

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Station is below all diversions. At times entire flow is diverted above station for irrigation. Flow affected by regulation of Deer Creek Reservoir and by Weber-Provo diversion canal and Duchesne tunnel. Only annual peaks are shown.

Peak stages and discharges of Provo River at Provo, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1903	June 9, 1903	-	a832	1948	May 22, 1948	-	1,010
1904	May 27, 1904	-	a1,620	1949	May 29, 1949	-	915
1905	June 9, 1905	-	a687	1950	June 3, 1950	-	1,140
1934	Dec. 14, 1933	-	a405	1951	May 31, 1951	6.34	1,240
				1952	May 6, 1952	6.37	2,520
1937	May 31, 1937	-	1,100	1953	Feb. 2, 1953	2.86	650
1938	May 18, 1938	-	1,350	1954	Dec. 3, 1953	2.40	464
1939	Mar. 23, 1939	-	787	1955	Feb. 11, 1955	1.68	216
1940	Feb. 28, 1940	-	396				
				1956	June 4, 1956	3.21	960
1941	June 13, 1941	-	561	1957	June 27, 1957	3.31	1,330
1942	May 3, 1942	-	668	1958	May 27, 1958	4.69	900
1943	Apr. 27, 1943	-	617	1959	Mar. 16, 1959	3.13	324
1944	June 11, 1944	-	874	1960	Oct. 12, 1959	3.15	309
1945	May 7, 1945	-	744				
				1961	Dec. 22, 1960	3.18	334
1946	Dec. 28, 1945	-	458	1962	May 21, 1962	4.92	1,040
1947	Dec. 9, 1946	-	987	1963	June 16, 1963	4.91	1,010

a Maximum observed.

1645. American Fork above upper powerplant, near American Fork, Utah

Location.--Lat 40°26'50", long 111°40'55", in NW¼NE¼ sec.26, T.4 S., R.2 E., on right bank 600 ft downstream from Rock Creek, 1,000 ft upstream from intake for upper powerplant of Utah Power & Light Co., 4 miles upstream from mouth of Canyon, and 8 miles northeast of American Fork.

Drainage area.--51.1 sq mi.

Gage.--Recording. Altitude of gage is 5,950 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 418 cfs.

Remarks.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey. Only annual peaks are shown (maximum daily prior to 1944).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1927	May 17, 1927	-	429	1946	Apr. 29, 1946	6.36	315
1928	May 27, 1928	-	339	1947	May 7, 1947	6.64	399
1929	June 16, 1929	-	326	1948	May 17, 1948	6.65	455
1930	Apr. 24, 1930	-	193	1949	May 28, 1949	6.73	367
				1950	May 30, 1950	6.70	383
1931	May 16, 1931	-	124				
1932	May 21, 1932	-	314	1951	Aug. 3, 1951	7.38	645
1933	June 3, 1933	-	300	1952	June 6, 1952	6.92	531
1934	Apr. 24, May 8, 1934	-	65	1953	July 30, 1953	9.2	(a)
1935	June 13, 1935	-	306	1954	May 21, 1954	6.04	273
				1955	May 21, 1955	6.10	292
1936	May 15, 1936	-	335				
1937	May 18, 1937	-	346	1956	May 25, 1956	6.19	344
1938	May 29, 1938	-	318	1957	June 6, 1957	6.49	509
1939	May 4, 1939	-	190	1958	May 26, 1958	7.36	624
1940	May 17, 1940	-	210	1959	June 15, 1959	6.05	203
				1960	May 13, 1960	6.42	293
1941	May 26, 1941	-	285				
1942	May 26, 1942	-	265	1961	May 27, 1961	5.68	84
1943	June 1, 1943	-	208	1962	May 8, 1962	7.54	379
1944	June 2, 1944	6.74	430	1963	June 1, 1963	7.29	293
1945	June 23, 1945	6.40	312				

a Discharge not determined; believed to be maximum of record.

1655. Dry Creek near Alpine, Utah

Location.--Lat 40°28'35", long 111°45'25", in NE¼ sec.18, T.4 S., R.2 E., on right bank 2 miles northeast of Alpine and 3½ miles upstream from Fort Creek.

Drainage area.--9.82 sq mi. Mean altitude, 8,770 ft.

Gage.--Recording. Prior to Aug. 3, 1951, at site 500 ft downstream at different datum (destroyed by flood). Auxiliary crest-stage gage since Dec.4, 1959.

Stage-discharge relation.--Defined by current-meter measurements below 210 cfs and extended above on basis of slope-area measurement at 294 cfs and 597 cfs.

Remarks.--Base for partial-duration series, 100 cfs. Only annual peaks are shown since 1955.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1947	July 2, 1947	1.58	a76	1952	June 6, 1952	3.15	244
1948	Apr. 21, 1948	-	71	1953	June 13, 1953	2.27	304
	May 6, 1948	-	80				
	May 17, 1948	2.69	187	1954	May 13, 1954	1.72	185
					June 27, 1954	1.78	120
1949	May 17, 1949	-	127				
	May 28, 1949	-	158	1955	May 11, 1955	1.90	166
	June 12, 1949	2.60	196		May 23, 1955	1.88	187
					June 8, 1955	1.93	168
1950	May 30, 1950	2.55	236		Aug. 5, 1955	1.83	118
1951	May 27, 1951	2.78	290	1959	Aug. 19, 1959	4.96	294
	June 15, 1951	2.35	182	1960	June 2, 1960	1.98	120
	July 21, 1951	1.85	100				
	Aug. 3, 1951	(b)	(b)	1961	Aug. 25, 1961	3.80	597
				1962	June 29, 1962	1.64	190
1952	May 3, 1952	2.75	292	1963	June 17, 1963	1.39	155

a July to September.
b Maximum gage height and discharge not determined; occurred during flood which destroyed gaging station.

1660. Fort Creek at Alpine, Utah

Location.--Lat 40°27'55", long 111°46'45", in SE¼ sec.13, T.4 S., R.1 E., on right bank three-quarters of a mile north of Alpine and 1½ miles upstream from mouth.

Drainage area.--6.55 sq mi. Mean altitude, 7,500 ft.

Gage.--Recording. Altitude of gage is 5,050 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 110 cfs.

Remarks.--Base for partial-duration series, 75 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1948	June 2, 1948	3.60	172	1953	June 12, 1953	2.92	100
					Aug. 2, 1953	2.91	96
1949	May 17, 1949	2.84	97				
				1954	June 27, 1954	2.38	59
1950	May 21, 1950	2.46	70				
				1955	May 11, 1955	3.12	105
1951	May 27, 1951	2.70	84		May 20, 1955	2.77	81
	Aug. 3, 1951	3.50	148		June 14, 1955	2.74	83
	Aug. 4, 1951	4.60	246				
1952	May 3, 1952	3.55	134				

1670. Jordan River at narrows, near Lehi, Utah

Location.--Lat 40°26'40", long 111°55'15", in SE¼NW¼ sec.26, T.4 S., R.1 W., at narrows 5½ miles northwest of Lehi and 7½ miles downstream from Utah Lake.

Drainage area.--3,000 sq mi, approximately, including 255 sq mi in closed basin in Cedar Valley.

Gage.--Nonrecording prior to May 16, 1920; recording thereafter. Prior to Oct. 1, 1934, at outlet of Utah Lake 7½ miles upstream at different datum. Altitude of gage is 4,470 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements prior to 1935 and below 892 cfs thereafter.

Remarks.--Figures given herein represent combined flow of Jordan River, Utah and Salt Lake Canal, and East Jordan Canal. Flow regulated by gates and pumps at outlet of Utah Lake, pumps at Pelican Point, and diversion dam at narrows. Only annual maximum daily discharges are shown.

Maximum daily mean discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	May 31, 1914	5.78	794	1939	May 21, 1939	-	747
1915	July 17, 1915	5.50	755	1940	July 8, 1940	-	793
1916	July 25, 1916	5.50	755	1941	July 3, 1941	-	754
1917	June 25, 1917	6.30	922	1942	July 8, 1942	-	807
1918	Apr. 22, 1918	5.72	753	1943	July 14, 1943	-	844
1919	June 18, 1919	5.57	820	1944	July 17, 1944	-	858
1920	June 23, 1920	5.69	812	1945	July 30, 1945	-	847
1921	June 15, 1921	6.63	1,020	1946	July 2, 1946	-	876
1922	June 8, 1922	7.78	a1,370	1947	July 21, 1947	-	887
1923	May 31, 1923	7.00	1,110	1948	July 18, 1948	-	918
1924	June 27, 1924	6.34	970	1949	July 15, 1949	-	870
1925	July 21, 1925	5.90	855	1950	July 9, 1950	-	857
1926	June 28, 1926	5.86	845	1951	July 12, 1951	-	873
1927	Aug. 7, 1927	5.63	750	1952	June 10, 1952	-	1,410
1928	July 15, 1928	5.90	821	1953	July 9, 1953	-	860
1929	July 15, 1929	5.76	784	1954	July 8, 1954	-	877
1930	July 1, 1930	5.87	817	1955	July 3, 1955	-	855
1931	May 31, 1931	5.50	727	1956	July 9, 1956	-	817
1932	May 17, 1932	9.00	801	1957	July 18, 1957	-	790
1933	July 7, 1933	9.50	770	1958	July 11, 1958	-	859
1934	Apr. 12, 1934	8.00	648	1959	July 10, 1959	-	855
1935	May 17, 1935	-	486	1960	June 28, 1960	-	804
1936	June 22, 1936	-	615	1961	May 15, 1961	-	736
1937	July 5, 1937	-	727	1962	July 12, 1962	-	766
1938	Aug. 9, 1938	-	757	1963	July 12, 1963	-	758

a Does not include ungaged bypass (probably about 10 percent).

1675. Little Cottonwood Creek near Salt Lake City, Utah

Location.--Lat 40°34'40", long 111°47'50", in NE¼NE¼ sec.11, T.3 S., R.1 E., at mouth of canyon 100 ft west of Wasatch Drive, 2 miles downstream from Wasatch Resort, and 14 miles southeast of Salt Lake City.

Drainage area.--27.4 sq mi.

Gage.--Nonrecording and two weirs prior to 1920, at site about 1 mile downstream at different datum. Method of measurement not known for 1920-23; recording thereafter. Concrete flume 1½ miles upstream at different datum 1924 to January 1940. Altitude of gage is 5,080 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Records since 1913 furnished by Office of City Engineer of Salt Lake City. Discharge is computed as combined flow of creek and all diversions. Only annual peaks are shown (maximum daily prior to 1947).

Peak stages and discharges of Little Cottonwood Creek near Salt Lake City, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1912	June 8, 1912	-	705	1938	June 5, 1938	-	494
1913	May 25, 1913	-	369	1939	June 4, 1939	-	317
				1940	May 16, 1940	-	345
1915	June 18, 1915	-	329				
				1941	May 27, 1941	-	351
1916	June 9, 1916	-	322	1942	June 7, 1942	-	326
1917	May 17, 1917	-	286	1943	May 28, 1943	-	267
1918	May 25, 1918	-	293	1944	June 2, 1944	-	367
1919	May 23, 1919	-	254	1945	June 23, 1945	-	365
1920	June 13, 1920	-	291				
				1946	June 10, 1946	-	198
1921	June 11, 1921	-	762	1947	May 7, 1947	-	254
1922	June 7, 1922	-	663	1948	May 28, 1948	-	384
1923	June 12, 1923	-	458	1949	June 12, 1949	-	465
1924	May 23, 1924	-	246	1950	May 30, 1950	-	460
1925	May 28, 1925	-	309				
				1951	May 27, 1951	-	542
1926	May 25, 1926	-	239	1952	June 6, 1952	-	597
1927	June 18, 1927	-	586	1953	June 13, 1953	-	736
1928	May 28, 1928	-	574	1954	May 21, 1954	-	462
1929	June 16, 1929	-	636	1955	June 9, 1955	-	492
1930	May 29, 1930	-	272				
				1956	May 31, 1956	-	440
1931	May 15, 1931	-	362	1957	June 6, 1957	-	588
1932	June 24, 1932	-	405	1958	June 6, 1958	-	560
1933	June 9, 1933	-	343	1959	June 15, 1959	-	435
1934	May 12, 1934	-	205	1960	June 2, 1960	-	378
1935	June 14, 1935	-	373				
				1961	May 27, 1961	-	334
1936	May 26, 1936	-	315	1962	June 12, 1962	-	448
1937	May 29, 1937	-	306	1963	June 10, 1963	-	389

Note.--Discharges shown prior to 1947 are maximum daily means.

1685. Big Cottonwood Creek near Salt Lake City, Utah

Location.--Lat 40°37'10", long 111°47'00", in SW¼NE¼ sec.25, T.2 S., R.1 E., at mouth of canyon, about 80 ft upstream from Wasatch Boulevard bridge, a quarter of a mile downstream from Utah Power & Light Co.'s plant, and 12 miles southeast of Salt Lake City.

Drainage area.--50 sq mi.

Gage.--Nonrecording prior to 1908; recording and two Cippoletti weirs thereafter. Altitude of gage is 4,880 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Records since 1913 furnished by Office of City Engineer of Salt Lake City. Only annual peaks are shown (maximum daily prior to 1951).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1901	May 19, 1901	-	407	1921	June 14, 1921	-	721
1902	May 30, 1902	-	370	1922	June 7, 1922	-	531
				1923	May 26, 1923	-	499
1905	June 8, 1905	-	265	1924	May 18, 1924	-	276
				1925	May 21, 1925	-	336
1907	June 6, 1907	-	793				
1908	June 15, 1908	-	520	1926	May 5, 1926	-	352
1909	June 6, 1909	-	835	1927	May 17, 1927	-	491
1910	June 2, 1910	-	390	1928	May 27, 1928	-	402
				1929	May 25, 1929	-	414
1911	June 13, 1911	-	387	1930	May 29, 1930	-	236
1912	June 7, 1912	-	848				
1913	May 26, 1913	-	376	1931	May 17, 1931	-	213
1914	May 23, 1914	-	438	1932	May 21, 1932	-	414
1915	June 2, 1915	-	261	1933	June 12, 1933	-	467
				1934	May 12, 1934	-	123
1916	June 10, 1916	-	330	1935	June 13, 1935	-	422
1917	June 18, 1917	-	499				
1918	June 12, 1918	-	394	1936	May 15, 1936	-	370
1919	May 23, 1919	-	343	1937	May 18, 1937	-	326
1920	May 23, 1920	-	526	1938	May 29, 1938	-	406

Peak stages and discharges of Big Cottonwood Creek near Salt Lake City, Utah--Con.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1939	May 31, 1939	-	219	1952	June 7, 1952	-	503
1940	May 16, 1940	-	266	1953	June 12, 1953	-	503
				1954	May 21, 1954	-	315
1941	May 13, 1941	-	349	1955	May 23, 1955	-	308
1942	May 26, 1942	-	444				
1943	June 1, 1943	-	331	1956	May 25, 1956	-	315
1944	June 3, 1944	-	432	1957	June 6, 1957	-	536
1945	June 24, 1945	-	258	1958	May 25, 1958	-	536
				1959	June 6, 1959	-	298
1946	May 6, 1946	-	262	1960	May 12, 1960	-	311
1947	May 8, 1947	-	348				
1948	May 28, 1948	-	442	1961	May 24, 1961	-	173
1949	May 29, 1949	-	320	1962	June 12, 1962	-	331
1950	June 1, 1950	-	344	1963	June 10, 1963	-	294
1951	May 29, 1951	-	462				

Note.--Maximum daily discharges are shown prior to 1951.

1700. Mill Creek near Salt Lake City, Utah

Location.--Lat 40°41'20", long 111°46'55", in NW¼SE¼ sec.36, T.1 S., R.1 E., 1,000 ft upstream from bridge at mouth of canyon, a quarter of a mile upstream from lower powerplant, and 7 miles southeast of Salt Lake City.

Drainage area.--21.7 sq mi.

Gage.--Nonrecording and various types of weirs prior to 1930, at or near present site at unknown datums; recording gage and rating flume thereafter. Supplementary gage in tailrace of lower powerplant; recorder and weir a quarter of a mile downstream. Altitude of gage is 5,050 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Records include flow through powerplant, and show natural runoff since 1913; records furnished by Office of City Engineer of Salt Lake City. Only annual maximum daily discharges are shown.

Maximum daily mean discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1899	June 1899	-	66	1927	June 11, 1927	-	60
1900	May 24, 1900	-	31	1928	May 11, 1928	-	67
				1929	May 25, 1929	-	68
1901	May 24, 1901	-	47	1930	May 31, 1930	-	24
1902	May 29, 1902	-	39				
1903	June 4-9, 1903	-	34	1931	May 16, 1931	-	23
1904	May 24, 1904	-	59	1932	May 21, 1932	-	55
1905	May 31, 1905	-	38	1933	June 2, 1933	-	57
				1934	Oct.1-4, 1933	-	9.8
1906	June 11, 1906	-	59	1935	June 8, 1935	-	42
1907	June 4, 1907	-	72				
1908	June 13-16, 1908	-	65	1936	May 16-20, 1936	-	56
1909	June 17, 1909	-	112	1937	May 19, 1937	-	51
1910	May 12, June 1, 1910	-	45	1938	May 28, 1938	-	67
				1939	May 11, 1939	-	29
				1940	May 16, 1940	-	35
1911	June 4-7, 1911	-	41				
1912	May 31, 1912	-	121	1941	May 27, 1941	-	52
1913	May 25-30, 1913	-	90	1942	May 27, 1942	-	87
1914	May 25, 1914	-	74	1943	June 2, 1943	-	36
1915	May 18, 1915	-	33	1944	June 10, 1944	-	57
				1945	June 10, 1945	-	28
1916	May 6-9, 1916	-	43				
1917	June 7, 1917	-	54	1946	May 6-8, 1946	-	47
1918	June 6, 1918	-	37	1947	May 23, 1947	-	49
1919	May 19-25, 1919	-	45	1948	May 25, 1948	-	84
				1949	May 20, 1949	-	152
1921	June 12, 1921	-	104	1950	June 1, 1950	-	83
1922	May 24, June 5, 1922	-	92				
				1951	May 30, 1951	-	72
				1952	June 2, 1952	-	102
1924	May 17-22, 1924	-	33	1953	June 13, 1953	-	77
1925	May 23, 1925	-	35	1954	May 22, 1954	-	24
				1955	May 24, 1955	-	40
1926	May 20, 1926	-	35				

Maximum daily discharges of Mill Creek near Salt Lake City, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1956	May 25, 1956	-	46	1961	May 26, 1961	-	12
1957	June 6, 1957	-	80	1962	May 12, 1962	-	30
1958	May 27, 1958	-	75	1963	May 23, 1963	-	24
1959	June 7, 1959	-	26				
1960	May 17, 1960	-	28				

1705. Surplus Canal at Salt Lake City, Utah

Location.--Lat 40°43'40", long 111°55'35", in SW¼SW¼ sec.14, T.1 S., R.1 W., on right bank 400 ft downstream from diversion dam at head of canal and an eighth of a mile downstream from highway bridge over Jordan River on 21st South Street; auxiliary gage at diversion dam.

Gage.--Recording. Prior to Oct. 22, 1952, at site 50 ft upstream at same datum. Datum of gage is 4,219.02 ft above mean sea level, datum of 1929.

Stage-discharge relation.--Defined by current-meter measurements below 1,590 cfs.

Remarks.--Flow regulated at diversion structure 400 ft above station. Canal was built to bypass floodwater of Jordan River around Salt Lake City residential and industrial area. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	June 2, 1943	5.78	585	1954	May 22, 1954	5.98	439
1944	June 3, 1944	7.50	965	1955	June 9, 1955	5.69	366
1945	June 5, 1945	4.82	436				
				1956	May 25, 1956	6.16	633
1946	May 29, 1946	4.92	429	1957	June 7, 1957	6.88	872
1947	June 12, 1947	5.84	545	1958	May 28, 1958	6.67	850
1948	June 3, 1948	7.06	814	1959	June 16, 1959	6.39	418
1949	May 21, 1949	6.42	635	1960	May 13, 1960	5.28	310
1950	June 2, 1950	5.67	434				
				1961	May 16, 1961	4.86	243
1951	May 30, 1951	6.22	585	1962	June 13, 1962	3.49	491
1952	June 7, 1952	8.72	1,700	1963	June 11, 1963	1.77	489
1953	June 14, 1953	6.97	1,100				

1710. Jordan River at Salt Lake City, Utah

Location.--Lat 40°43'40", long 111°55'25", in SW¼SW¼ sec.14, T.1 S., R.1 W., on left bank 800 ft downstream from diversion structure at head of Surplus Canal, a quarter of a mile downstream from highway bridge on 21st South Street, Salt Lake City, and 2 miles downstream from Mill Creek.

Drainage area.--3,420 sq mi, approximately (including 255 sq mi in closed basin in Cedar Valley, Utah).

Gage.--Recording. Datum of gage is 4,220.73 ft above mean sea level, datum of 1929.

Stage-discharge relation.--Defined by current-meter measurements below 338 cfs.

Remarks.--Flow completely regulated since construction of Surplus Canal diversion dam 800 ft upstream in May 1952. Many diversions above station for irrigation and industrial and municipal water supplies. Only annual peaks are shown.

Peak stages and discharges of Jordan River at Salt Lake City, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	June 2, 1943	5.03	322	1954	May 22, 1954	4.96	306
1944	June 3, 1944	5.55	384	1955	June 14, 1955	4.39	233
1945	Aug. 6, 1945	4.50	261				
				1956	May 24, 1956	4.70	279
1946	May 29, 1946	3.59	265	1957	May 19, 1957	4.00	223
1947	June 9, 1947	4.43	235	1958	Aug. 15, 1958	4.76	279
1948	Sept.20, 1948	4.07	219	1959	May 28, 1959	4.27	253
1949	Sept.11, 1949	5.00	325	1960	Mar. 31, 1960	4.32	228
1950	Sept.30, 1950	4.71	283				
				1961	May 20, 1961	3.74	170
1951	Oct. 1, 1950	4.71	285		June 16, 1961	3.82	170
1952	June 26, 1952	5.75	367	1962	July 13, 1962	4.62	167
1953	Oct. 17, 1952	5.21	285	1963	Jan. 31, 1963	4.73	218

1715. Parleys Creek near Salt Lake City, Utah

Location.--Lat 40°43'00", long 111°47'00", in SE¼ sec.24, T.1 S., R.1 E., a quarter of a mile upstream from Stillman highway bridge, three-quarters of a mile upstream from mouth of canyon, and 6½ miles southeast of Salt Lake City.

Drainage area.--50.1 sq mi.

Gage.--Nonrecording and two Cippoletti weirs prior to 1931, at site about three-quarters of a mile downstream at different datum; recording thereafter. Discharge is combined flow of creek and all diversions. Altitude of gage is 4,890 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Records since 1913 furnished by Office of City Engineer of Salt Lake City. Flow regulated by Mountain Dell Reservoir (capacity, about 3,400 acre-ft) since September 1917. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1899	June 1899	-	228	1932	May 14, 1932	-	147
1900	May 1900	-	39	1933	May 27, 1933	-	122
				1934	Mar.1-2, 1934	-	9.4
1901	May 1901	-	109	1935	May 26,28,1935	-	73
1902	May 1902	-	95				
1903	June 1903	-	134	1936	Apr. 20, 1936	-	194
1904	May 1904	-	209	1937	May 9, 1937	-	160
1905	May 1905	-	57	1938	Apr. 23, 1938	-	160
				1939	May 1, 1939	-	60
1906	May 1906	-	146	1940	May 11, 1940	-	53
1907	May 1907	-	204				
1908	June 1908	-	81	1941	May 13, 1941	-	134
1909	June 1909	-	274	1942	Apr. 4, 1942	-	144
1910	Mar. 23, 1910	-	115	1943	Apr. 21, 1943	-	75
				1944	May 9, 1944	-	130
1911	Apr. 30, 1911	-	54	1945	May 1-2, 1945	-	36
1912	May 20, 1912	-	226				
1913	Apr. 29, 1913	-	139	1946	Apr. 28, 1946	-	130
1914	May 1914	-	139	1947	May 3,7,8-10, 1947	-	81
1915	April 1915	-	62				
				1948	May 20, 1948	-	146
1916	May 1916	-	129	1949	Apr. 26, 1949	-	132
1917	May 1917	-	242	1950	May 14, 1950	-	200
1918	April 1918	-	75				
1919	Apr. 21, 1919	-	100	1951	May 21, 1951	-	117
1920	May 24, 1920	-	213	1952	Apr. 26, 1952	-	365
				1953	May 20, 1953	-	114
1921	May 13-18, 1921	-	230	1954	Apr. 26, 1954	-	28
1922	May 7, 1922	-	317	1955	May 13, 1955	-	73
1923	May 12, 1923	-	245				
1924	May 4, 1924	-	57	1956	Mar. 27, 1956	-	58
1925	May 5, 1925	-	66	1957	May 31, 1957	-	142
				1958	May 10, 1958	-	165
1926	Apr. 21, 1926	-	75	1959	May 21, 1959	-	27
1927	Apr. 27, 1927	-	129	1960	Apr. 11, 1960	-	61
1928	May 1-2, 1928	-	129				
1929	May 16, 1929	-	156	1961	Apr. 16, 1961	-	12
1930	Apr. 24, 1930	-	41	1962	May 17-18, 1962	-	94
				1963	May 18, 1963	-	66
1931	May 4, 1931	-	34				

1720. Emigration Creek near Salt Lake City, Utah

Location.--Lat 40°45'00", long 111°48'45", in SW¼NW¼ sec.11, T.1 S., R.1 E., at east boundary of Hogle Zoo near mouth of canyon, 4 miles southeast of Salt Lake City.

Drainage area.--18 sq mi, approximately.

Gage.--Nonrecording and Cippoletti weirs prior to 1927; recording gage and rating flume thereafter. Altitude of gage is 4,870 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Records since 1913 furnished by Office of City Engineer of Salt Lake City. Only annual maximum daily discharges are shown.

Maximum daily mean discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1902	Apr. 25, 1902	-	19	1935	May 28, 1935	-	16
1903	May 30, 1903	-	19				
				1936	Apr. 16, 1936	-	92
1905	May 19, 1905	-	12	1937	May 9, 1937	-	35
				1938	Apr. 23, 1938	-	40
1906	Apr. 26, 1906	-	18	1939	Mar. 26, 1939	-	27
				1940	Mar. 28, 1940	-	20
1908	June 15, 1908	-	12				
				1941	Apr. 29, 1941	-	23
1911	Apr. 7, 1911	-	8.9	1942	Apr. 13, 1942	-	48
				1943	Apr. 5, 1943	-	21
1913	Apr. 14, 1913	-	34	1944	June 3, 1944	-	24
1914	May 10, 1914	-	24	1945	May 2-7, 1945	-	15
1915	Apr. 8, 1915	-	12				
				1946	Apr. 29 to May 2, 1946	-	15
1916	Mar. 21, 1916	-	25				
1917	Apr. 27, 1917	-	64	1947	May 13, 1947	-	23
1918	Apr. 11, 1918	-	25	1948	Apr. 23, 1948	-	46
1919	Apr. 24, 1919	-	23	1949	Apr. 20, 1949	-	45
1920	May 10, 1920	-	55	1950	May 17, 1950	-	45
1921	May 4, 1921	-	70	1951	May 7, 1951	-	31
1922	Apr. 28, 1922	-	110	1952	Apr. 26, 1952	-	156
1923	May 11, 1923	-	48	1953	Apr. 23, 1953	-	42
1924	Apr. 14, 1924	-	15	1954	Apr. 6, 1954	-	9.3
1925	Apr. 3, 1925	-	14	1955	May 8, 1955	-	13
1926	Apr. 6, 1926	-	50	1956	June 16, 1956	-	12
1927	May 1, 1927	-	27	1957	May 24, 1957	-	39
1928	Mar. 27, 1928	-	34	1958	May 7, 1958	-	63
1929	Apr. 18, 1929	-	56	1959	May 4, 1959	-	8.9
1930	Apr. 10, 1930	-	9.3	1960	Apr. 10, 1960	-	26
1931	Apr. 24, 1931	-	6.4	1961	Dec. 10, 1960	-	1.9
1932	Apr. 18, 1932	-	33	1962	Apr. 17, 1962	-	29
1933	May 22, 1933	-	31	1963	Apr. 28, 1963	-	17
1934	Apr. 3, 1934	-	1.6				

1725. City Creek near Salt Lake City, Utah

Location.--Lat 40°47'05", long 111°53'00", in SE¼SW¼ sec.30, T.1 N., R.1 E., about 300 ft downstream from abandoned stone building near mouth of canyon and 0.6 mile northeast of Utah State Capitol building.

Drainage area.--19.2 sq mi.

Gage.--Nonrecording and two Cippoletti weirs prior to 1924, at site 3½ miles upstream at different datum; recording gage and concrete flume thereafter. Discharge is combined flow of creek and all diversions. Altitude of gage is 4,540 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Records since 1913 furnished by Office of City Engineer of Salt Lake City. Only annual maximum daily discharges are shown.

Maximum daily mean discharges of City Creek near Salt Lake City, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1899	June 1899	-	122	1933	June 3, 1933	-	81
1900	May 13, 1900	-	31	1934	Oct.9, Nov.10, 1933	-	8.9
1901	May 20, 1901	-	72	1935	May 28, 1935	-	58
1902	May 30, 1902	-	58				
1903	June 4, 1903	-	63	1936	May 17, 1936	-	88
1904	May 25, 1904	-	70	1937	May 19, 1937	-	79
1905	May 23, 1905	-	45	1938	May 17, 1938	-	78
				1939	May 6, 1939	-	44
1906	May 13, 1906	-	69	1940	May 13, 1940	-	53
1907	May 22, 1907	-	132				
1908	June 15, 1908	-	81	1941	May 17, 1941	-	71
				1942	May 26, 1942	-	92
1911	May 13, 1911	-	33	1943	Apr. 29, 1943	-	46
1912	June 8, 1912	-	92	1944	May 15, 1944	-	66
1913	May 12, 1913	-	56	1945	June 15, 1945	-	42
1914	May 24, 1914	-	76				
1915	May 18, 1915	-	37	1946	Apr. 28, 1946	-	49
				1947	May 8, 1947	-	61
1916	May 9, 1916	-	70	1948	May 21, 1948	-	82
1917	June 11, 1917	-	105	1949	May 22, 1949	-	74
1918	May 8, 1918	-	49	1950	May 26, 1950	-	80
1919	May 4, 1919	-	58				
1920	May 22, 1920	-	95	1951	May 28, 1951	-	63
				1952	May 5, 1952	-	127
1921	May 30, 1921	-	163	1953	June 14, 1953	-	81
1922	May 24,25,1922	-	118	1954	May 18, 1954	-	23
1923	May 27, 1923	-	97	1955	May 24, 1955	-	50
1924	May 7, 1924	-	39				
1925	May 8, 1925	-	53	1956	May 29, 1956	-	50
				1957	June 7, 1957	-	57
1926	May 6, 1926	-	56	1958	May 28, 1958	-	99
1927	May 18, 1927	-	79	1959	May 20, 1959	-	20
1928	May 10, 1928	-	121	1960	May 15, 1960	-	49
1929	May 26, 1929	-	100				
1930	May 31, 1930	-	26	1961	May 28, 1961	-	15
				1962	May 11, 1962	-	67
1931	May 16, 1931	-	21	1963	May 24, 1963	-	42
1932	May 22, 1932	-	79				

RUSH VALLEY

1727. Vernon Creek near Vernon, Utah

Location.--Lat 39°59', long 112°23', in W½ sec.2, T.10 S., R.5 W., on right bank 7 miles upstream from confluence with Dutch Creek forming Faust Creek and 8 miles southeast of Vernon.

Drainage area.--25 sq mi, approximately.

Gage.--Recording. Altitude of gage is 6,200 ft (from AMS topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 75 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1958	June 28 to July 3, 1958	-	ab2.0	1961	Sept.17, 1961	1.46	41
				1962	Apr. 14, 1962	1.82	78
1959	Mar. 23, 1959	0.57	1.9	1963	Feb. 1, 1963	.80	6.6
1960	May 15-18,1960	-	a3.4				

a Maximum daily.
b For period June to September 1958.

1728.7. Trout Creek near Callao, Utah

Location.--Lat 39°44'40", long 113°53'20", in SW¼ sec.28, T.12 S., R.18 W., on left bank 2½ miles upstream from Birch Creek and 14 miles southwest of Callao.

Drainage area.--8.8 sq mi, approximately.

Gage.--Recording. Altitude of gage is 6,200 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 44 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	May 15, 1959	1.11	6.2	1962	May 9, 1962	1.92	45
1960	May 13, 1960	1.44	21	1963	June 20, 1963	2.01	56
1961	May 29, 1961	1.58	25				

1728.95. Deep Creek near Ibapah, Utah

Location.--Lat 40°15', long 113°59', in T.6 S., R.19 W. (unsurveyed), half a mile upstream from Bar Creek and 15 miles north of Ibapah.

Drainage area.--460 sq mi, approximately.

Gage.--Crest-stage gage. Altitude of gage is 5,000 ft (from topographic map).

Stage discharge relation.--Defined by current-meter measurements below 23.2 cfs and extended above on basis of logarithmic plotting and slope-area measurement at 1,250 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Aug. 20, 1959	9.80	21	1962	Feb. 14, 1962	11.55	175
1960	Apr. 23, 1960	10.66	81	1963	June 10, 1963	10.53	70
1961	Aug. 25, 1961	17.14	1,250				

1729. Bar Creek near Ibapah, Utah

Location.--Lat 40°15', long 113°59', in T.6 S., R.19 W. (unsurveyed), half a mile upstream from mouth and 15 miles north of Ibapah.

Drainage area.--12 sq mi, approximately.

Gage.--Crest-stage gage. Altitude of gage is 5,000 ft (from topographic map).

Stage-discharge relation.--Defined by zero flow and a slope-area measurement at 2,690 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Aug. 20, 1959	10.35	80	1962	-	-	0
1960	June 10, 1960	10.89	120	1963	Sept. 5, 1963	9.95	a40
1961	Aug. 25, 1961	15.55	2,690				

a Estimated.

1729.4. Dove Creek near Park Valley, Utah

Location.--Lat 41°47', long 113°34', in SE¼ sec.4, T.12 N., R.15 W., on left bank 6 miles upstream from Black Hill Creek and 12 miles west of Park Valley.

Drainage area.--35 sq mi, approximately.

Gage.--Recording gage and timber weir. Altitude of gage is 5,600 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 72 cfs, by slope-area measurement at 167 cfs, and extended to 275 cfs on basis of logarithmic plotting.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	May 23, 1959	1.07	1.8	1962	Feb. 10, 1962	4.65	275
1960	Sept. 1, 1960	1.49	11	1963	Aug. 30, 1963	1.62	14
1961	Aug. 25, 1961	3.91	167				

1729.6. West Fork Tenmile Creek near Park Valley, Utah

Location.--Lat 41°50', long 113°08', in SW¼ sec.19, T.13 N., R.11 W., at culvert on State Highway 70, 2 miles downstream from Crystal Hollow, 10 miles east of Park Valley, and 23 miles southwest of Snowville.

Drainage area.--5.93 sq mi.

Gage.--Crest-stage gage. Altitude of gage is about 4,600 ft (from topographic map).

Stage-discharge relation.--Defined by zero flow and culvert measurements at 151 cfs and 460 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Sept.23, 1959	10.53	151	1962	Feb. 12, 1962	10.25	90
1960	-	-	0	1963	Aug. 31, 1963	12.07	460
1961	Sept.18, 1961	10.30	100				

1729.9. Blue Spring Creek near Snowville, Utah

Location.--Lat 41°51', long 112°27', in SW¼ sec.17, T.13 N., R.5 W., at box culvert on U.S. Highway 30S, 16 miles southeast of Snowville and 24 miles upstream from Bear River Bay.

Drainage area.--180 sq mi, approximately, of which about 78 sq mi contributes directly to surface runoff.

Gage.--Crest-stage gage. Altitude of gage is 4,700 ft (from topographic map).

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Sept.23, 1959	13.15	282	1962	Feb. 12, 1962	17.47	1,820
1960	Apr. 28, 1960	11.85	120	1963	Feb. 1, 1963	10.06	9
1961	Sept.18, 1961	10.75	36				

1735. Mammoth Creek near Hatch, Utah

Location.--Lat 37°37', long 112°28', in sec.1, T.37 S., R.6 W., a quarter of a mile above flow line of former Hatchtown Reservoir, three-quarters of a mile east of east boundary of Sevier National Forest, and 3½ miles southwest of Hatch.

Drainage area.--151 sq mi.

Gage.--Recording.

Stage-discharge relation.--Defined by current-meter measurements below 480 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	June 1, 1914	3.78	535	1918	May 16, 1918	3.32	366
				1919	May 6, 1919	3.39	389
1916	May 12, 1916	3.72	511				
1917	June 10, 1917	4.32	795				

1736. Midway Creek near Hatch, Utah

Location.--Lat 37°31'10", long 112°43'35", in SE¼ sec.10, T.38 S., R.8 W., on right bank 200 ft south of State Highway 14, 0.7 mile east of Navajo Lake Resort turnoff, and 19 miles southwest of Hatch.

Drainage area.--25.7 sq mi.

Gage.--Recording.

Stage-discharge relation.--Defined by current-meter measurements below 123 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1958	June 6, 1958	2.64	153	1961	May 22, 1961	1.81	57
1959	May 12, 1959	1.53	42	1962	May 7, 1962	2.34	114
1960	May 13, 1960	2.00	78				

1739. Duck Creek near Hatch, Utah

Location.--Lat 37°31', long 112°42', in SW¼ sec.12, T.38 S., R.8 W., on right bank 150 ft north of State Highway 14, 200 ft east of Duck Lake dam, 400 ft downstream from Duck Creek Spring, 3 miles east of Navajo Lake, and 18 miles southwest of Hatch.

Drainage area.--38.3 sq mi (including 6.24 sq mi in closed basin for Navajo Lake).

Gage.--Recording. Altitude of gage is 8,530 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements below 135 cfs and extended above on basis of logarithmic plotting.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1954	May 20, 1954	3.04	140	1957	June 6, 1957	3.30	156
1955	May 14, 1955	2.22	43	1958	June 6, 1958	3.61	226
1956	May 24, 1956	2.41	65				

1740. Asay Creek above West Fork, near Hatch, Utah

Location.--Lat 37°33', long 112°31', in sec.33, T.37 S., R.6 W., on right bank half a mile downstream from Asay Creek Spring, 2 miles upstream from West Fork Asay Creek, and 8 miles southwest of Hatch.

Drainage area.--105 sq mi (including 6.24 sq mi in closed basin for Navajo Lake).

Gage.--Recording.

Stage-discharge relation.--Defined by current-meter measurements below 269 cfs and extended above on basis of logarithmic plotting.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1954	July 25, 1954	1.89	a59	1957	June 10, 1957	2.39	110
1955	May 23, 1955	1.64	36	1958	May 11, 1958	3.63	419
				1959	Oct. 1, 1958	-	b41
1956	May 25, 1956	1.74	48				

a Maximum for period July to September.
b Maximum daily discharge for period October to January.

1745. Sevier River at Hatch, Utah
(Published as "near Hatch" 1912)

Location.--Lat 37°39'00", long 112°25'30", in SW¼NW¼ sec.28, T.36 S., R.5 W., on left bank 300 ft downstream from bridge, 0.2 mile east of Hatch, and 2.8 miles downstream from Mammoth Creek.

Drainage area.--340 sq mi, approximately. Mean altitude, 8,480 ft.

Gage.--Nonrecording prior to 1915; recording thereafter. At several sites within 2 miles of present site at various datums prior to Oct. 3, 1949. Altitude of gage is 6,870 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 1,400 cfs.

Historical data.--Maximum flood known occurred May 25, 1914, when Hatchtown Dam, 1½ miles upstream failed, releasing 11,600 acre-ft of stored water. Discharge not determined.

Remarks.--No regulation since failure of Hatchtown Dam. Base for partial-duration series, 500 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1912	June 5, 1912	-	a1,210	1943	May 3, 1943	-	524
1913	May 18, 19, 1913	-	a502	1944	June 9, 1944	-	672
				1945	May 14, 1945	-	480
1915	June 2, 1915	-	770				
				1946	Aug. 15, 1946	-	366
1916	May 10, 1916	-	1,040	1947	May 9, 1947	-	607
1917	June 10, 1917	-	982				
1918	May 6, 1918	-	550	1948	May 18, 1948	2.89	488
1919	May 6, 1919	-	504				
1920	May 24, 1920	-	1,130	1949	May 30, 1949	-	568
					June 11, 1949	4.31	1,060
1921	June 10, 1921	-	803				
1922	May 26, 1922	5.25	1,490	1950	May 21, 1950	2.36	317
1923	May 20, 1923	-	826				
				1951	May 28, 1951	2.17	248
1925	Sept. 5, 1925	-	689				
1926	May 23, 1926	-	643	1952	May 15, 1952	3.92	812
					June 3, 1952	3.96	827
1939	Sept. 6, 1939	-	614		July 28, 1952	3.34	602
1940	Sept. 17, 1940	-	580				
				1953	July 31, 1953	2.89	455
1941	May 14, 1941	-	1,140				
1942	May 28, 1942	-	780	1954	May 10, 1954	2.70	410

a Maximum observed.

Peak stages and discharges of Sevier River at Hatch, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1955	Oct. 7, 1954	2.54	343	1960	May 14, 1960	2.37	259
1956	May 25, 1956	2.20	254	1961	Sept.18, 1961	4.01	816
1957	June 11, 1957	3.34	626	1962	Feb. 12, 1962	4.52	989
					Mar. 27, 1962	4.04	798
1958	Mar. 21, 1958	3.15	546		May 11, 1962	3.65	628
	May 29, 1958	4.02	833	1963	May 18, 1963	2.47	285
1959	Aug. 19, 1959	2.63	328				

1748. Red Canyon tributary near Bryce Canyon, Utah

Location.--Lat 37°44', long 112°17', in sec.27, T.35 S., R.4½ W. (unsurveyed), on right bank 500 ft upstream from bridge, a quarter of a mile east of tunnel on State Highway 12, and 10 miles southeast of Panguitch.

Drainage area.--2.2 sq mi, approximately.

Gage.--Crest-stage gage. Altitude of gage is 7,550 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements at 0.6 cfs and slope-area measurement at 108 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Aug. 19, 1959	10.13	21	1962	June 29, 1962	11.07	95
1960	Apr. 28, 1960	10.48	50	1963	Sept.18, 1963	10.20	27
1961	Aug. 4, 1961	11.21	108				

1770. Panguitch Creek above canals, near Panguitch, Utah

Location.--Lat 37°48', long 112°29', in SW¼ sec.36, T.34 S., R.6 W., and 3 miles southwest of Panguitch.

Drainage area.--110 sq mi, approximately.

Gage.--Recording.

Stage-discharge relation.--Defined by current-meter measurements below 130 cfs.

Remarks.--Flow is regulated by storage in Panguitch Lake. Flow is diverted from Mammoth Creek to headwaters of Panguitch Creek for storage in Panguitch Lake. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1916	May 17, 1916	2.20	128	1919	May 29, 1919	2.58	180
1917	June 17, 1917	3.75	300	1920	May 8, 1920	3.09	a250
1918	May 10, 1918	2.47	164				

a Maximum during period October 1919 to May 16, 1920.

1800. Sevier River near Circleville, Utah

Location.--Lat 38°06', long 112°19', in SW¼ sec.20, T.31 S., R.4 W., on left bank 2 miles upstream from Pine Creek and 6 miles southwest of Circleville.

Drainage area.--950 sq mi, approximately.

Gage.--Nonrecording May 10 to Sept. 19, 1912, at site 300 ft upstream at different datum; recording thereafter. Apr. 23, 1914, to Sept. 30, 1927, and Nov. 21, 1949, to Aug. 6, 1954, at site 300 ft upstream at datum 0.23 ft higher. Altitude of gage is 6,240 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 678 cfs in 1912, below 1,320 cfs from 1914 to 1954, and below 976 cfs since 1954.

Remarks.--Many diversions above station. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1912	May 30, 1912	3.7	a860	1950	July 17, 1950	3.45	258
1914	-	-	(b)	1951	July 22, 1951	5.26	709
1915	May 18, 1915	5.6	786	1952	Aug. 30, 1952	7.05	c1,380
				1953	Aug. 1, 1953	4.73	570
1916	Aug. 6, 1916	8.0	1,600	1954	May 11, 1954	3.47	292
1917	May 18, 1917	6.37	1,020	1955	Aug. 6, 1955	2.69	297
1918	Mar. 13, 1918	6.05	1,000				
				1956	May 10, 1956	2.07	169
1920	May 23, 1920	-	1,110	1957	June 11, 1957	3.19	426
				1958	May 13, 1958	4.08	820
1921	June 8, 1921	4.80	622	1959	Aug. 3, 1959	3.25	487
1922	May 21, 1922	9.8	1,960	1960	Mar. 8, 1960	2.26	223
1924	Sept. 6, 1924	4.03	430	1961	Sept. 9, 1961	3.94	740
1925	Sept.19, 1925	5.20	770	1962	Mar. 28, 1962	5.00	1,260
				1963	Aug. 31, 1963	2.91	390
1926	May 23, 1926	4.45	465				

a Maximum observed during period May 10 to Sept. 19, 1912.
b Not determined, occurred May 25, when Hatchtown dam failed.
c Revised.

1835. Sevier River near Kingston, Utah

Location.--Lat 38°12', long 112°12', in NE¼NW¼ sec.16, T.30 S., R.3 W., on left bank 1,000 ft upstream from bridge on State Highway 22, 1 mile west of Kingston, and 2 miles upstream from East Fork.

Drainage area.--1,110 sq mi, approximately. Mean altitude, 7,790 ft.

Gage.--Recording and concrete control. Prior to Sept. 20, 1918, at site about 1 mile downstream at different datum. Altitude of gage is 5,980 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 1,300 cfs.

Remarks.--Many diversions above station for irrigation. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1916	Aug. 6, 1916	-	900	1926	Oct. 6, 1925	-	377
1917	May 19, 1917	-	908				
1918	Mar. 13, 1918	-	1,000	1928	Mar. 26, 1928	-	536
1919	Apr. 26, 1919	-	520				
1920	May 23, 1920	-	1,260	1930	(b)	-	1,000
1921	Sept. 1, 1921	-	890	1931	Aug. 15, 1931	-	174
1922	May 21, 1922	-	a1,460				
1923	May 18, 1923	-	908	1933	Aug.21or22, 1933	-	736
1924	Sept. 6, 1924	-	500	1934	Feb. 4, 1934	-	184
1925	Sept.19, 1925	-	650	1935	June 8, 1935	-	324

a Maximum observed. b Occurred during period Aug. 4-10, 1930.

Peak stages and discharges of Sevier River near Kingston, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1936	Sept. 1, 1936	-	1,080	1951	July 22, 1951	2.25	549
1937	May 18, 1937	-	a963	1952	May 6, 1952	2.62	844
1938	Mar. 4, 1938	5.20	c3,000	1953	Aug. 1, 1953	2.04	424
1939	Sept. 7, 1939	-	1,000	1954	May 22, 1954	1.65	227
1940	Sept.18, 1940	-	987	1955	Dec. 4, 1954	1.57	227
1941	May 14, 1941	-	1,260	1956	Nov. 22, 1955	1.50	184
1942	May 28, 1942	-	790	1957	June 12, 1957	2.14	453
1943	Aug. 8, 1943	-	1,040	1958	May 13, 1958	2.65	694
1944	June 4, 1944	-	604	1959	Aug. 3, 1959	1.84	326
1945	Sept. 3, 1945	-	748	1960	Mar. 8, 1960	1.69	239
1946	Feb. 25, 1946	-	330	1961	Sept.19, 1961	2.52	682
1947	May 11, 12, 1947	-	576	1962	Mar. 28, 1962	3.40	1,180
1948	Mar. 24, 1948	2.10	458	1963	Sept. 1, 1963	1.63	247
1949	June 7, 1949	2.92	928				
1950	Feb. 7, 1950	1.66	262				

a Maximum observed.
c Includes estimated flow of 360 cfs in overflow channel bypassing station.

1850. Antimony Creek near Antimony, Utah

Location.--Lat 38°06', long 111°53', in NW¼ sec.22, T.31 S., R.1 W., on right bank 5 miles upstream from mouth and 5 miles southeast of Antimony.

Drainage area.--26 sq mi, approximately.

Gage.--Recording. October 1946 to September 1948 at datum 0.89 ft lower. Altitude of gage is 7,000 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 136 cfs prior to 1949. Defined by current-meter measurement below 235 cfs and extended above on basis of slope-area measurement at 669 cfs after 1957.

Remarks.--Base for partial-duration series, 170 cfs. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1947	May 3, 1947	3.22	164	1960	July 31, 1960	2.43	181
1948	May 7, 1948	3.80	215	1961	May 1, 1961	3.25	388
1958	May 9, 1958	3.20	331	1962	Apr. 19, 1962	3.30	314
1959	Aug. 3, 1959	4.52	669	1963	May 3, 1963	3.05	259

1875. Otter Creek above reservoir, near Antimony, Utah
(Published as "near Coyoto" 1915-20)

Location.--Lat 38°15', long 111°58', in SW¼SW¼ sec.25, T.29 S., R.2 W., on right bank 30 ft upstream from county road bridge, half a mile east of Angle, and 10 miles north of Antimony.

Drainage area.--330 sq mi, approximately.

Gage.--Nonrecording at different datum prior to July 1, 1920; recording thereafter. Altitude of gage is 6,400 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 50 cfs at present site and below 72 cfs at former site.

Remarks.--Flow affected by storage in Koosharem Reservoir (storage of 900 acre-ft increased to 3,858 acre-ft in 1918). Diversions above station for irrigation. Only annual maximum observed discharges are shown.

Maximum observed discharges of Otter Creek above reservoir, near Antimony, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1915	Mar. 25, 1915	3.7	78	1918	Nov. 20, 1917	2.20	38
				1919	Mar. 20, 1919	3.78	103
1916	Mar. 12, 1916	4.08	87				
1917	Mar. 27, 1917	3.80	84	1962	Mar. 28, 1962	2.19	95

1890. East Fork Sevier River near Kingston, Utah

Location.--Lat 38°12', long 112°09', in SW¼NW¼ sec.13, T.30 S., R.3 W., on right bank 1,000 ft downstream from bridge on State Highway 22, 1.7 miles east of Kingston, 4.1 miles upstream from mouth, and 10½ miles downstream from Otter Creek.

Drainage area.--1,260 sq mi, approximately.

Gage.--Nonrecording prior to Apr. 29, 1914, at site 1 mile upstream at different datum; recording thereafter. Apr. 29, 1914, to June 2, 1939, at site 1,500 ft downstream at different datum. Altitude of gage is 6,110 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 250 cfs prior to 1914, below 702 cfs from 1914 to 1939, and below 1,410 cfs thereafter.

Remarks.--Diversions for irrigation above and below station. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1913	Apr. 1, 1913	-	a518	1939	July 15, 1939	2.45	316
1914	May 9, 1914	-	570	1940	May16-21, 1940	2.03	b216
1915	May 14, 1915	4.33	578				
				1941	May 12, 1941	5.05	2,030
1916	Aug. 1, 1916	4.40	660	1942	May 11, 1942	2.95	625
1917	May 18, 1917	4.46	946	1943	July 22 to Aug. 2, 1943	-	b321
1918	June 20, 1918	4.01	385				
1919	Aug. 8, 1919	5.00	900	1944	May 16, 1944	4.00	1,190
1920	June 28, 1920	4.10	420	1945	Aug. 12, 1945	2.41	342
1921	July 20, 1921	4.15	406	1946	Apr. 20, 1946	2.56	397
1922	May 8, 1922	6.10	1,740	1947	Oct. 1, 1946	1.93	206
1923	Aug. 20, 1923	3.79	b339	1948	Apr. 23, 1948	2.57	401
1924	July 23, 1924	-	402	1949	May 17, 1949	2.46	352
1925	July 23, 1925	-	331	1950	Sept. 6, 1950	2.33	305
1926	July 6, 1926	-	401	1951	July 24, 1951	-	b242
1927	June 6, 1927	-	b265	1952	May 5, 1952	2.78	490
1928	May 6, 1928	-	270	1953	July 27, 1953	3.60	920
1929	Aug. 27, 1929	7.35	2,000	1954	May 22, 1954	2.09	244
1930	Sept.23, 1930	-	b216	1955	Aug. 5, 1955	1.71	154
1931	Oct. 1, 1930	3.64	196	1956	June 5, 1956	2.03	237
1932	Aug. 22, 1932	4.48	585	1957	Aug. 11, 1957	3.39	854
1933	May 21, 1933	3.90	282	1958	May 22, 1958	3.18	581
1934	July 20, 1934	3.98	242	1959	July 30, 1959	2.13	226
1935	July 15, 1935	4.23	347	1960	May 30, 1960	2.18	235
1936	July 22, 1936	5.08	646	1961	July 4, 1961	2.48	335
1937	Apr. 23, 1937	4.65	475	1962	Aug. 23, 1962	2.32	300
1938	Apr. 24, 1938	4.40	331	1963	May 15, 1963	2.06	189

a Maximum observed.
b Maximum daily.

1915. Sevier River below Piute Dam, near Marysvale, Utah

Location.--Lat 38°19'55", long 112°11'15", in NW¼SE¼ sec.34, T.28 S., R.3 W., on left bank three-quarters of a mile downstream from Piute Dam and 8 miles south of Marysvale.

Drainage area.--2,440 sq mi, approximately.

Gage.--Recording. May 4, 1912, to Mar. 31, 1935, at site a quarter of a mile upstream at different datum. Apr. 1, 1935, to Apr. 7, 1936, at datum 0.2 ft higher than present datum. Altitude of gage is 5,870 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Piute Reservoir. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1912	May 20-27, 1912	-	1,110	1939	June 29, 1939	3.08	684
1913	Apr. 3, 1913	-	860	1940	June 27, 1940	3.06	691
1914	May 27, 1914	-	1,380				
1915	Apr.19-24,1915	-	706	1941	May 14, 1941	6.38	2,380
				1942	Apr. 24, May 14, 1942	3.72	1,120
1916	May 4, 1916	-	962				
1917	May 28, 1917	-	1,170	1943	July 4, 1943	2.78	702
1918	Apr.27-30,1918	-	608	1944	May 18, 1944	4.02	1,260
1919	Apr. 25, 1919	-	1,050	1945	May 20, 1945	2.72	729
1920	Aug. 21, 1920	-	930				
				1946	June 30, 1946	2.83	773
1921	Aug. 28, 1921	-	668	1947	Aug. 21, 1947	2.82	769
1922	May 23, 1922	4.45	2,600	1948	July 6, 1948	2.96	797
1923	July 20, 1923	-	783	1949	June 13, 1949	3.62	1,100
1924	May 6, 1924	-	735	1950	July 29, 1950	2.57	663
1925	July 14, 1925	-	582				
				1951	July 7, 1951	2.34	606
1926	June 29, July 1, 1926	-	665	1952	June 3, 1952	3.36	1,020
				1953	July 9, 1953	2.41	684
1927	Apr. 25, 1927	-	558	1954	June 23, 1954	2.38	686
1928	July 5, 1928	-	780	1955	May 2, 1955	2.17	592
1929	July 24, 1929	-	806				
1930	July 6, 1930	-	696	1956	June 27, 1956	2.05	502
				1957	Aug. 18, 1957	1.96	482
1931	June 12, 1931	1.90	655	1958	June 30, July 12, 1958	2.77	778
1932	July 10, 1932	2.37	851				
1933	July 18, 1933	2.07	592	1959	July 9, 1959	2.20	562
1934	May 20-25, 1934	1.79	360	1960	July 8, 1960	1.95	434
1935	July 3-4, 1935	-	611				
				1961	May 15, 1961	2.03	486
1936	July 8, 1936	-	573	1962	July 7, 1962	2.27	590
1937	May 12, 1937	-	730	1963	May 7, 1963	1.98	462
1938	July 11, 1938	-	852				

1940. Sevier River above Clear Creek, near Sevier, Utah
(Published as "Sevier River at Sevier" prior to 1917)

Location.--Lat 38°34'20", long 112°15'25", in NW¼NE¼ sec.5, T.26 S., R.4 W., on right bank 0.6 mile upstream from bridge on U.S. Highway 89, 0.7 mile upstream from Clear Creek, and 1 mile south of Sevier.

Drainage area.--2,700 sq mi, approximately.

Gage.--Recording. Prior to Nov. 16, 1916, at site 0.8 mile downstream at different datums. Altitude of gage is 5,560 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Many diversions above station for irrigation. Flow regulated by Piute and Otter Creek Reservoirs. Only annual peaks are shown.

Peak stages and discharges of Sevier River above Clear Creek, near Sevier, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	June 3, 1914	-	1,570	1947	Aug. 22, 1947	3.05	768
1915	May 19, 1915	-	696	1948	July 9, 1948	3.18	829
				1949	June 14, 1949	3.73	1,210
1916	May 9, 1916	-	1,120	1950	July 18, 1950	2.89	632
1939	June 16, 1939	3.04	664	1951	July 9, 1951	2.79	601
1940	June 28, 1940	-	a720	1952	June 7, 1952	3.73	1,240
				1953	July 11, 1953	2.91	704
1941	May 16, 1941	4.83	2,270	1954	June 25, 1954	2.88	687
1942	Apr. 25, 1942	-	1,160	1955	May 7, 1955	2.61	544
1943	July 5, 1943	2.99	718				
1944	May 19, 1944	3.64	1,170	1961	May 20, 1961	2.51	467
1945	May 20, July 20, 1945	2.97	732	1962	July 9, 1962	2.78	584
				1963	May 10, 1963	2.46	462
1946	July 1, 1946	3.07	792				

a Maximum daily.

1942. Clear Creek above diversions, near Sevier, Utah

Location.--Lat 38°34'45", long 112°17'20", in NW¼SW¼ sec.31, T.25 S., R.4 W., on left bank at south side of State Highway 13, 1.8 miles west of Sevier, 2.3 miles upstream from mouth, and 17 miles southwest of Richfield.

Drainage area.--164 sq mi.

Gage.--Recording. Altitude of gage is 5,680 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 225 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1958	May 24, 1958	3.36	301	1961	May 20, 1961	2.38	110
1959	May 16, 1959	1.74	42	1962	Feb. 9, 1962	2.87	233
1960	May 15, 1960	2.52	136	1963	Aug. 2, 1963	2.60	170

1950. Clear Creek at Sevier, Utah

Location.--Lat 38°34'55", long 112°15'30", in SW¼NE¼ sec.32, T.25 S., R.4 W., on left bank 400 ft upstream from bridge on U.S. Highway 89, 1,000 ft upstream from mouth, and 0.3 mile south of Sevier.

Drainage area.--169 sq mi.

Gage.--Nonrecording prior to Apr. 4, 1914; recording thereafter. Apr. 4, 1914, to Sept. 30, 1919, and Apr. 1, 1934, to Sept. 30, 1940, at site 700 ft downstream at different datum. Oct. 1, 1940, to Sept. 24, 1946, at site 400 ft downstream at different datum. Altitude of gage is 5,530 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements prior to 1946 and below 290 cfs thereafter.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1912	May 30, 1912	3.0	a226	1917	June 11, 1917	2.74	181
1913	May 27, 1913	1.95	a158	1918	June 15, 1918	2.68	110
1914	May 24, 1914	-	240	1919	May 28, 1919	2.38	98
1915	June 2, 1915	2.26	138				
				1935	June 10, 1935	-	a208
1916	May 9, 1916	2.36	153	1936	June 10, 1936	-	a170

a Maximum daily.

Peak stages and discharges of Clear Creek at Sevier, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1937	May 19, 1937	-	a263	1948	Apr. 18, 1948	4.43	400
1938	May 27, 1938	-	a314	1949	June 12, 1949	2.89	167
1939	Mar. 25, 1939	-	a82	1950	June 2, 1950	2.37	100
1940	Apr. 24, 1940	-	a179	1951	May 29, 1951	2.17	59
1941	Aug. 7, 1941	4.05	487	1952	May 5, 1952	4.58	337
1942	May 27, 1942	3.01	275	1953	July 15, 1953	3.83	282
1943	Aug. 10, 1943	2.27	180	1954	May 22, 1954	3.42	156
1944	May 10, 1944	2.92	281	1955	Aug. 17, 1955	5.97	611
1945	May 4, 1945	2.71	329	1956	May 27, 1956	2.47	86
1946	Apr. 28, 1946	1.70	135	1957	June 5, 1957	5.30	484
1947	May 12, 1947	3.38	237	1958	May 27, 1958	4.40	278

a Maximum daily.

1955. Sevier River at Sevier, Utah

Location.--Lat 38°34'50", long 112°15'15", in E½ sec.32, T.25 S., R.4 W., at Sevier, just downstream from Clear Creek, and 300 ft upstream from railroad bridge.

Drainage area.--2,850 sq mi, approximately.

Gage.--Recording. Altitude of gage is 5,520 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Piute and Otter Creek Reservoirs. Many diversions for irrigation above station. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1917	May 31, 1917	-	1,220	1924	May 20, 1924	-	835
1918	June 15, 1918	-	870	1925	July 20, 1925	5.47	1,340
1919	Apr. 27, 1919	-	1,010	1926	July 6, 1926	4.71	742
1920	June 6, 1920	-	1,200	1927	May 18, 1927	-	a754
1921	June 9, 1921	-	991	1928	May 9, 1928	-	a752
1922	May 1922	-	2,800	1929	May 25, 1929	-	a807
1923	May 5, 1923	-	1,300				

a Maximum daily.

2050. Sevier River near Sigurd, Utah
(Published as "near Vermillion" prior to 1939)

Location.--Lat 38°52', long 111°57', in SW¼ sec.19, T.22 S., R.1 W., on left bank 200 ft downstream from bridge, half a mile downstream from Rockyford Dam, 2 miles northeast of Sigurd, and 5 miles upstream from Lost Creek.

Drainage area.--3,340 sq mi, approximately.

Gage.--Nonrecording prior to Apr. 20, 1917; recording thereafter. At datum 2.00 ft higher prior to Oct. 17, 1935. Altitude of gage is 5,180 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements below 600 cfs.

Remarks.--Flow regulated by reservoirs above station. During irrigation season practically entire flow through Rockyford Dam is diverted above station for irrigation below. Only annual peaks are shown.

Peak stages and discharges of Sevier River near Sigurd, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1915	Nov. 24, 1914	-	a658	1940	Feb. 14, 1940	2.53	281
1916	Apr. 10, 1916	-	a560	1941	May 30, 1941	4.15	1,020
1917	Nov. 25, 1916	-	a941	1942	Apr. 8, 1942	3.96	906
1918	Mar. 31, 1918	-	515	1943	Oct. 22, 1942	2.99	434
1919	Apr. 2, 1919	-	895	1944	June 5, 1944	4.25	1,100
1920	May 25, 1920	-	360	1945	Apr. 23, 1945	2.93	413
1921	Oct. 21, 1920	-	358	1946	Apr. 10, 1946	2.47	256
1922	May 30, 1922	8.1	2,400	1947	June 23, 1947	2.54	274
1923	Apr. 2, 1923	-	436	1948	Apr. 9, 1948	3.36	582
1924	June 2, 1924	-	a366	1949	June 14, 1949	3.44	620
1925	July 23, 1925	-	357	1950	Jan. 24, 1950	2.36	228
1926	Nov. 12, 1925	-	227	1951	Feb. 17, 1951	1.98	131
1927	Feb. 19, 1927	-	155	1952	June 10, 1952	3.98	796
1928	May 18, 1928	-	a213	1953	Nov. 24, 1952	2.15	174
1929	Apr. 4, 1929	-	620	1954	Feb. 15, 1954	2.32	219
1930	Aug. 4, 1930	-	540	1955	July 28, 1955	2.36	202
1931	May 3, 1931	-	179	1956	Mar.20, Apr.2, 1956	2.70	269
1932	Sept. 4, 1932	-	290				
1933	May 9, 1933	-	340	1957	June 16, 1957	3.02	289
1934	July 16, 1934	-	340	1958	May 26, 1958	3.71	549
1935	Apr. 15, 1935	-	238	1959	Mar. 1, 1959	3.24	402
				1960	Mar. 11, 1960	2.92	334
1936	Mar. 17, 1936	-	307				
1937	June 5, 1937	-	390	1961	Aug. 3, 1961	2.42	195
1938	May 25, 1938	-	515	1962	Feb. 15, 1962	2.43	182
1939	Oct. 28, 1938	2.82	372	1963	Feb. 23, 1963	2.92	292

a Maximum observed.

2060. Salina Creek at Salina, Utah

Location.--Lat 38°57', long 111°52', in NW¼ sec.25, T.21 S., R.1 W., on right bank 150 ft upstream from bridge on U.S. Highway 89 in Salina and three-quarters of a mile upstream from mouth.

Drainage area.--290 sq mi, approximately. Mean altitude, 7,810 ft.

Gage.--Nonrecording prior to Oct. 17, 1917; recording thereafter. Prior to Mar. 23, 1915, at site 150 ft downstream at different datum. Mar. 23, 1915, to Sept. 30, 1919, at site about a quarter of a mile upstream at different datum. Concrete control at present site. Altitude of gage is 5,140 ft (estimated on basis of nearby benchmark).

Stage-discharge relation.--Defined by current-meter measurements below 400 cfs and extended above by logarithmic plotting.

Remarks.--Diversions above station for irrigation. Base for partial-duration series, 120 cfs. Only annual peaks are shown except for 1948 and 1949.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	May 22, 1914	-	a270	1948	May 7, 1948	-	655
1915	May 17, 1915	-	a176		May 15, 1948	3.87	926
1918	July 22, 1918	6.50	(b)	1949	May 4, 1949	-	282
1919	May 4, 1919	-	135		May 15, 1949	-	367
					June 4, 1949	-	194
1943	Aug. 7, 1943	-	804		July 3, 1949	2.77	460
1944	May 15, 1944	-	697				
1945	May 14, 1945	-	742	1950	May 22, 1950	2.05	190
1946	Aug. 15, 1946	-	558	1951	May 27, 1951	2.12	223
1947	Aug. 20, 1947	-	756	1952	May 3, 1952	-	856
				1953	July 27, 1953	6.70	2,650
1948	Mar. 28, 1948	-	141	1954	Jan. 27, 1954	1.40	41
	Apr. 17, 1948	-	208	1955	Aug. 15, 1955	2.30	231

a Maximum observed.
b Not determined.

2080. Sevier River near Gunnison, Utah

Location.--Lat 39°09', long 111°52', in SE¼ sec.14, T.19 S., R.1 W., 200 ft downstream from bridge, half a mile upstream from San Pitch River, and about 3 miles west of Gunnison.

Drainage area.--3,990 sq mi, approximately.

Gage.--Nonrecording prior to May 19, 1914, at site 200 ft upstream at different datums; recording thereafter. Altitude of gage is 4,910 ft.

Stage-discharge relation.--Defined by current-meter measurements below 1,770 cfs at former site, and below 1,490 cfs thereafter.

Remarks.--Flow regulated by reservoirs upstream. Many diversions above station for irrigation. Only annual peaks are shown (maximum observed prior to 1914).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1901	May 22, 1901	-	505	1910	Mar. 7, 1910	4.9	1,410
1902	Feb. 12, 1902	-	366				
1903	Mar. 16,17, 1903	-	366	1911	Mar. 17, 1911	5.2	1,050
1904	Jan. 28, Feb. 5, 1904	-	372	1912	May 30, 1912	5.61	1,320
				1913	Apr. 5, 1913	3.61	758
1905	May 28, 1905	-	640	1914	June 8, 1914	6.02	1,500
				1915	Dec. 2, 1914	3.37	559
1906	May 28, 1906	6.34	2,240				
1907	June 13, 1907	-	2,080	1916	Mar. 26, 1916	4.88	915
1908	Aug. 8, 1908	3.7	701	1917	May 31, 1917	5.49	a1,080
1909	Sept. 9, 1909	6.0	2,000				

a Revised.

2100. Pleasant Creek near Mount Pleasant, Utah

Location.--Lat 39°32'30", long 111°23'30", in W½ sec.5, T.15 S., R.5 E., on left bank a quarter of a mile downstream from South Fork and 3.9 miles east of Mount Pleasant.

Drainage area.--16 sq mi, approximately.

Gage.--Nonrecording prior to 1955; recording thereafter. Datum of gage is 6,759.67 ft above mean sea level (levels by U.S. Soil Conservation Service).

Stage-discharge relation.--Defined by current-meter measurements below 183 cfs and by computation of flow over dam at 445 and 2,060 cfs.

Remarks.--Base for partial-duration series, 50 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1946	July 24, 1946	-	a2,060	1960	June 3, 1960	6.92	88
1955	Aug. 16, 1955	8.6	445	1961	May 28, 1961	6.96	58
					Aug. 25, 1961	7.0	b200
1956	May 26, 1956	8.72	93				
				1962	May 8, 1962	6.16	146
1957	June 4, 1957	9.53	178		June 12, 1962	6.20	168
	July 1, 1957	8.93	136		June 22, 1962	6.09	140
					July 25, 1962	5.85	62
1958	May 27, 1958	7.04	209				
				1963	May 31, 1963	5.94	65
1959	June 9, 1959	6.51	44		Sept. 5, 1963	6.01	b100
1960	May 13, 1960	6.62	58				

a Annual peak only.
b About.

2110. Twin Creek near Mount Pleasant, Utah

Location.--Lat 39°29'30", long 111°24'25", in NW¼ sec.30, T.15 S., R.5 E., on right bank 3½ miles southeast of Mount Pleasant.

Drainage area.--5.9 sq mi, approximately.

Gage.--Recording and concrete control. Altitude of gage is 6,500 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 70 cfs.

Remarks.--Base for partial-duration series, 30 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1955	June 9, 1955	1.17	48	1960	May 12, 1960	1.55	32
	Aug. 4, 1955	1.14	43		June 8, 1960	1.70	40
1956	May 31, 1956	1.24	45	1961	Aug. 2, 1961	1.99	96
	July 30, 1956	1.16	38		Aug. 25, 1961	1.76	47
1957	June 9, 1957	1.55	90	1962	June 24, 1962	1.76	80
	June 22, 1957	1.50	92				
	June 26, 1957	1.81	117	1963	June 2, 1963	1.44	33
	Aug. 25, 1957	1.54	113		June 17, 1963	1.47	35
					Aug. 25, 1963	1.53	39
1958	June 6, 1958	1.98	111		Sept. 5, 1963	1.60	51
1959	June 9, 1959	1.50	24				

2163. Sixmile Creek near Sterling, Utah

Location.--Lat 39°12', long 111°40', in SE¼ sec.35, T.18 S., R.2 E., on left bank at diversion structure, 0.6 mile downstream from bridge and 2 miles east of Sterling.

Drainage area.--29 sq mi, approximately.

Gage.--Crest-stage gage. Altitude of gage is 5,750 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 161 cfs and extended above on basis of logarithmic plotting.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	July 31, 1959	12.48	820	1962	June 30, 1962	11.12	220
1960	May 15, 1960	11.00	185	1963	Aug. 7, 1963	10.83	135
1961	July 4, 1961	10.69	100				

2165. San Pitch River near Gunnison, Utah

Location.--Lat 39°09', long 111°49', in NW¼NW¼ sec.20, T.19 S., R.1 E., at bridge on U.S. Highway 89 at Gunnison.

Drainage area.--886 sq mi.

Gage.--Nonrecording prior to May 1914; recording May 1914 to May 1918; nonrecording thereafter. At site 4 miles upstream at different datum prior to February 1912. At site 3 miles downstream at different datums February 1912 to May 1918. Altitude of gage is 5,190 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 116 cfs prior to 1906, below 554 cfs 1913 to 1917, and below 960 cfs in 1952 and 1958.

Remarks.--Flow regulated by Gunnison Reservoir, 7 miles upstream. Only annual peaks are shown.

Peak stages and discharges of San Pitch River near Gunnison, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1901	May 20,28,29,1901	-	a125	1915	Mar. 22, 1915	3.85	608
1902	May 14, 1902	-	a155				
1903	May 31, 1903	-	a158	1916	Mar. 17, 1916	-	a466
1904	May 18,24, 1904	-	a264	1917	June 18, 1917	3.33	494
1905	Aug. 29, 1905	-	a720				
				1952	June 5, 1952	3.85	a1,330
1912	June 9, 1912	-	a57				
1913	Mar. 25, 1913	-	a456	1958	Feb. 27, 1958	7.23	a458
1914	June 2, 1914	4.22	591				

a Maximum observed.

2170. Sevier River below San Pitch River, near Gunnison, Utah

Location.--Lat 39°09'00", long 111°52'30", in NE¼ sec.14, T.19 S., R.1 W., on left bank 1,000 ft downstream from San Pitch River and 3 miles west of Gunnison.

Drainage area.--4,880 sq mi, approximately.

Gage.--Recording. Prior to Oct. 28, 1938, at datum 0.36 ft higher. Altitude of gage is 4,900 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by reservoirs and many diversions above station for irrigation. Most of flow diverted above station during irrigation season. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1918	Mar. 12, 1918	-	876	1941	May 24, 1941	4.61	1,480
1919	Mar. 25, 1919	-	979	1942	Apr. 15, 1942	4.23	1,050
1920	May 22, 1920	-	1,430	1943	Mar. 10, 1943	2.83	434
				1944	June 8, 1944	4.80	1,320
1921	June 11, 1921	-	1,420	1945	Apr. 24, 1945	3.24	543
1922	June 1, 1922	5.68	2,620				
1923	Apr. 2, 1923	-	1,100	1946	Mar. 16, 1946	3.12	495
1924	Mar. 26, 1924	-	516	1947	June 23, 1947	3.68	742
1925	Feb. 5, 1925	2.45	510	1948	May 1, 1948	4.28	905
				1949	June 15, 1949	3.50	669
1926	Sept.11, 1926	2.56	562	1950	Nov. 15, 1949	2.79	455
1928	May 26, 1928	-	491	1951	Oct. 25, 1950	2.65	396
1929	Apr. 6, 1929	2.70	553	1952	June 10, 1952	5.49	2,050
1930	Aug. 5, 1930	2.59	511	1953	Feb. 9, 1953	3.48	563
				1954	Feb. 17, 1954	-	a360
1931	Feb. 8, 1931	1.95	283	1955	Mar. 11, 1955	-	a410
1932	Feb. 9, 1932	2.53	485				
1933	May 12, 1933	2.12	424	1956	Mar. 13, 1956	2.81	365
1934	Jan. 2, 1934	1.73	279	1957	June 11, 1957	4.70	964
1935	June 7, 1935	1.87	286	1958	May 29, 1958	4.61	932
				1959	Mar. 2, 1959	3.29	490
1936	June 6, 1936	2.72	534	1960	Mar. 9, 1960	2.78	371
1937	May 20, 1937	2.72	508				
1938	May 28, 1938	3.22	674	1961	Apr. 16, 1961	2.51	292
1939	Mar. 24, 1939	2.80	454	1962	Feb. 10, 1962	5.40	1,290
1940	May 15, 1940	2.72	432	1963	Feb. 24, 1963	2.71	336

a Maximum daily.

2190. Sevier River near Juab, Utah

Location.--Lat 39°22'30", long 112°02'20", in SE¼ sec.35, T.16 S., R.2 W., on left bank half a mile downstream from Sevier Bridge Dam and 12 miles southwest of Juab.

Drainage area.--5,120 sq mi, approximately.

Gage.--Nonrecording prior to Apr. 16, 1914, 500 ft upstream at different datum; recording and rubble masonry control thereafter. Apr. 16, 1914, to Apr. 7, 1938, at present site and datum. Apr. 8, 1938, to Mar. 31, 1942, at site 1,300 ft upstream at different datum. Altitude of gage is 4,940 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--No diversion between station near Gunnison and this station. Flow regulated by Sevier Bridge Reservoir. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1912	May 27, 1912	-	a921	1938	July 15, 1938	3.70	980
1913	Apr. 9, 1913	-	a1,310	1939	May 11, 1939	5.23	1,190
1914	June 5-10, 1914	-	b2,030	1940	May 7,8, 1940	5.15	1,140
1915	June 22, 1915	-	1,080				
				1941	May 12-15, 1941	3.71	1,050
1916	May 2, 1916	-	1,100	1942	July 15, 1942	5.41	1,190
1917	May 21, 1917	-	1,230	1943	July 2, 1943	4.97	1,110
1918	May 7, 1918	-	1,450	1944	May 17, 1944	5.39	1,320
1919	May 15, 1919	-	1,300	1945	May 7, 1945	4.61	1,040
1920	May 19-22, 1920	-	1,090				
				1946	Apr. 26, 1946	4.88	1,150
1921	May 15, 1921	-	1,290	1947	May 9,10, 1947	4.95	b1,200
1922	June 2, 1922	8.50	2,140	1948	May 27, 1948	5.07	1,230
1923	May 12, 1923	-	1,480	1949	May 4, 1949	5.22	1,290
1924	May 7, 1924	-	1,600	1950	May 25, 1950	4.66	1,100
1925	May 9, 1925	-	988				
				1951	May 7, 1951	4.82	1,140
1926	May 6, 1926	-	1,140	1952	June 21, 1952	4.28	944
1927	May 7, 1927	-	1,140	1953	July 8, 1953	4.70	1,090
1928	May 7, 1928	-	a1,260	1954	May 6, 1954	4.69	1,100
1929	May 20, 1929	-	1,270	1955	May 14, 1955	4.83	1,160
1930	Apr. 29, 1930	-	969				
				1956	May 17, 1956	4.27	990
1931	May 7, 1931	-	988	1957	May 10, 1957	3.95	911
1932	May 21, 1932	4.82	1,100	1958	May 8, 1958	5.19	1,380
1933	May 30, 1933	4.74	1,110	1959	May 1, 1959	4.02	938
1934	Apr. 26-30, 1934	4.56	b1,030	1960	May 9, 1960	3.95	907
1935	May 19, 1935	-	b580				
				1961	May 12, 1961	4.27	1,010
1936	July 31, 1936	4.95	1,050	1962	May 6, 1962	4.79	1,150
1937	May 12, 1937	4.72	948	1963	May 8, 1963	4.18	968

a Maximum observed.
b Maximum daily.

2235. Sevier River at Leamington, Utah

Location.--Lat 39°33', long 112°17', in NE¼ sec.10, T.15 S., R.4 W., at highway bridge about 1 block north of hotel at Leamington and 400 ft north of San Pedro, Los Angeles and Salt Lake Railroad (now Union Pacific RR.).

Drainage area.--5,860 sq mi, approximately.

Gage.--Nonrecording. At site 1 mile upstream at different datum 1890-93.

Stage-discharge relation.--Unknown prior to 1894, defined by current-meter measurements below 1,720 cfs thereafter.

Remarks.--Flow affected by reservoirs upstream, particularly by Sevier Bridge Reservoir since about 1904. Many diversions for irrigation upstream from station. Only annual maximum observed discharges are shown.

Maximum observed discharges of Sevier River at Leamington, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1890	May 30, 1890	-	2,330	1912	June 1, 1912	-	b882
				1913	Apr. 10, 1913	-	1,520
1891	May 9, 1891	-	1,390	1914	June 9,10, 1914	-	1,820
1892	June 2-6, 1892	-	1,220				
1893	(a)	-	1,300				

a Jan. 31, Feb. 1, July 27, 1893.
b Maximum observed during period May to September.

2240. Sevier River near Lynndyl, Utah

Location.--Lat 39°29', long 112°24', in SE¼ sec.27, T.15 S., R.5 W., on right bank 1½ miles downstream from highway bridge and 3½ miles southwest of Lynndyl.

Drainage area.--6,270 sq mi, approximately.

Gage.--Recording. Altitude of gage is 4,660 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Sevier Bridge Reservoir. Several diversions for irrigation between reservoir and station. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	June 9, 1914	-	a1,820	1951	May 9, 1951	6.15	825
1915	June 24, 1915	-	923	1952	May 14, 1952	6.50	912
				1953	July 11, 1953	6.31	858
1916	May 16, 1916	-	930	1954	May 1, 1954	6.48	882
1917	May 23, 1917	-	1,080	1955	July 12, 1955	6.26	798
1918	May 9, 1918	-	1,200				
1919	May 11, 1919	-	956	1956	May 20, 1956	5.96	755
				1957	May 12, 1957	5.88	707
1943	June 3, 1943	5.96	873	1958	May 11, 1958	6.89	1,010
1944	May 19, 1944	6.72	1,030	1959	Apr. 27, 1959	6.04	765
1945	May 8, 1945	5.94	837	1960	May 11, 1960	5.90	725
1946	Apr. 28, 1946	5.77	748	1961	May 15, 1961	6.07	794
1947	May 12, 1947	6.14	842	1962	Feb. 10, 1962	11.73	2,980
1948	June 1, 1948	6.96	1,080	1963	May 9, 1963	6.01	754
1949	May 7, 1949	6.50	942				
1950	May 27, 1950	6.02	771				

a Maximum daily.

2280. Sevier River near Delta, Utah

Location.--Lat 39°24'10", long 112°30'15", in NW¼ sec.27, T.16 S., R.6 W., 1½ miles downstream from Delta and Melville Reservoir and 6½ miles northeast of Delta.

Drainage area.--7,380 sq mi, approximately.

Gage.--Recording.

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Many diversions above station for irrigation above and below station. Flow regulated by Delta and Melville Reservoir and by Sevier Bridge Reservoir. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1913	Apr. 12, 1913	-	1,220	1917	May 27, 1917	-	504
1914	May 31, 1914	-	1,470	1918	May 12, 1918	-	602
1915	Mar. 31, 1915	-	802	1919	June 6, 1919	-	525
1916	Apr. 5, 1916	-	880				

2315. Sevier River at Oasis, Utah
(Published as "near Oasis" 1913)

Location.--Lat 39°18', long 112°38', in E½ sec.33, T.17 S., R.7 W., about three-quarters of a mile northwest of Oasis and 1½ miles downstream from county bridge, locally known as Hinckley Bridge.

Drainage area.--8,080 sq mi, approximately.

Gage.--Nonrecording prior to Apr. 24, 1914, at site about 1½ miles upstream at different datum; recording thereafter.

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by storage reservoirs and diversion dams upstream. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1913	Apr. 12, 1913	-	a1,280	1921	May 27, 1921	-	396
1914	June 12, 1914	-	1,580	1922	June 17, 1922	-	1,570
1915	Mar. 24, 1915	-	1,040	1923	Apr. 21, 1923	-	1,130
				1924	Oct. 1, 1923	-	a145
1916	Apr. 6, 1916	-	720	1925	May 15, 1925	-	b43
1917	Feb. 27, 1917	-	314				
1918	Nov. 22, 1917	-	327	1926	May 29, 1926	-	27
1919	Oct. 1, 1918	-	196	1927	May 23, 1927	-	20
1920	Aug. 27, 1920	-	77				

a Maximum observed.
b Maximum daily.

PAVANT VALLEY

2325. Chalk Creek near Fillmore, Utah

Location.--Lat 38°58', long 112°18', in NE¼ sec.28, T.21 S., R.4 W., on left bank 1 mile east of Fillmore and 2¼ miles downstream from South Fork.

Drainage area.--60 sq mi, approximately. Mean altitude, 8,020 ft.

Gage.--Nonrecording prior to August 1914, at site 1¼ miles upstream at different datum; recording thereafter. Altitude of gage is 5,180 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Records include flow of Fillmore Canal which diverts on left bank at flood control dam 400 ft upstream. Base for partial-duration series, 130 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	May 9, 1914	3.40	a490	1949	Apr. 29, 1949	-	135
1944	May 15, 1944	-	429	1950	May 18, 1950	-	164
	May 24, 1944	-	344				
	June 9, 1944	-	255	1951	May 27, 1951	-	64
1945	Apr. 22, 1945	-	132	1952	Apr. 7, 1952	2.54	177
	May 11, 1945	-	356		Apr. 27, 1952	-	442
	Aug. 4, 1945	-	188		May 4, 1952	-	509
	Aug. 5, 1945	-	251		May 14, 1952	-	389
					May 21, 1952	-	323
1946	Apr. 27, 1946	-	142		May 30, 1952	-	332
1947	Apr. 22, 1947	-	174	1953	May 22, 1953	-	183
	May 6, 1947	-	318		July 30, 1953	-	149
	May 19, 1947	-	237		July 31, 1953	-	345
	Aug. 10, 1947	-	142		Aug. 1, 1953	-	263
1948	Apr. 22, 1948	-	212	1954	May 10, 1954	-	99
	May 7, 1948	-	249				
	May 17, 1948	-	288	1955	Aug. 5, 1955	-	364

a Annual maximum observed discharge only.

Peak stages and discharges of Chalk Creek near Fillmore, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1956	May 5, 1956	-	88	1960	May 12, 1960	-	162
1957	May 10, 1957	-	244	1961	July 31, 1961	-	1,850
	May 19, 1957	-	232				
	June 3, 1957	-	359	1962	May 7, 1962	-	267
1958	May 11, 1958	-	258	1963	Sept. 6, 1963	-	126
1959	July 31, 1959	-	308				

BEAVER RIVER BASIN

2340. Three Creeks near Beaver, Utah

Location.--Lat 38°17'40", long 112°25'40", in NW¼NW¼ sec.16, T.29 S., R.5 W., on right bank half a mile downstream from Three Creeks Dam, half a mile upstream from Merchant Creek, and 16 miles east of Beaver.

Drainage area.--19.5 sq mi.

Gage.--Recording. Prior to Aug. 24, 1947, at site 500 ft downstream at different datum. Aug. 24, 1947, to May 11, 1950, at site 700 ft upstream at different datum. Altitude of gage is 8,550 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 19 cfs prior to 1948, below 60 cfs 1948-49, and below 161 cfs thereafter. Extended above on basis of slope-area measurement at 290 cfs.

Remarks.--Flow affected by storage in Puffer Lake and in Three Creeks Reservoir (capacity, 2,020 acre-ft) completed in 1950. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1947	Aug. 9, 1947	4.35	290	1955	May 27, 1955	2.17	33
1948	May 17, 1948	3.48	153				
1949	June 12, 1949	2.92	109	1956	July 7, 1956	2.48	57
1950	May 23, 1950	2.16	30	1957	June 10, 1957	3.40	147
				1958	May 31, 1958	3.28	133
1951	June 7, 1951	2.16	38	1959	May 13, 1959	1.95	22
1952	May 15, 1952	3.58	219	1960	May 19, 1960	2.25	40
1953	June 4,5, 1953	1.95	28				
1954	June 8, 1954	2.25	42	1961	May 31, 1961	2.58	63

2345. Beaver River near Beaver, Utah

Location.--Lat 38°16'40", long 112°33'30", in NW¼ sec.20, T.29 S., R.6 W., on left bank 300 ft downstream from Bakers Canyon and 4½ miles east of Beaver.

Drainage area.--82 sq mi, approximately.

Gage.--Recording. Mar. 30, 1914, to Oct. 15, 1937, at site 3,000 ft downstream at different datum. Oct. 16, 1937, to Mar. 20, 1959, at site 0.4 mile downstream at different datum. Altitude of gage is 6,500 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 581 cfs prior to 1938, below 712 cfs from 1938 to 1958, and below 168 cfs thereafter.

Remarks.--Some regulation by powerplants and several small reservoirs. Only annual peaks are shown prior to 1948. Base for partial-duration series, 250 cfs.

Peak stages and discharges of Beaver River near Beaver, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	May 24, 1914	-	710	1946	Apr. 26, 1946	2.91	203
1915	June 1, 1915	-	448	1947	Aug. 12, 1947	4.27	676
1916	May 9, 1916	4.93	412	1948	May 6, 1948	-	283
1917	June 9, 1917	5.55	610		May 17, 1948	3.86	501
1918	May 23, 1918	4.41	238				
1919	May 4, 1919	4.87	368	1949	May 26, 1949	3.71	429
1920	May 30, 1920	6.02	760		June 12, 1949	-	417
1921	June 10, 1921	5.84	665	1950	May 21, 1950	2.95	164
1922	May 25, 1922	6.31	785				
1923	May 26, 1923	5.96	644	1951	May 27, 1951	3.13	220
1924	May 9, 1924	4.99	299				
1925	May 20, 1925	5.25	382	1952	May 15, 1952	4.26	624
					May 30, 1952	4.23	606
1926	May 19, 1926	6.20	740				
1927	May 17, 1927	5.50	467	1953	July 11, 1953	2.93	149
1928	May 8, 1928	5.40	432				
1929	May 25, 1929	5.93	630	1954	May 9, 1954	3.06	173
1930	May 26, 1930	5.43	416				
				1955	May 12, 1955	2.93	151
1931	May 6, 1931	4.52	156				
1932	May 21, 1932	5.77	570	1956	May 24, 1956	3.05	179
1933	June 1, 1933	5.85	542				
1934	May 5, 1934	4.11	82	1957	June 6, 1957	4.71	732
1935	June 6, 1935	5.68	484				
				1958	May 9, 1958	2.99	276
1936	July 22, 1936	7.27	1,080		May 27, 1958	3.98	606
1937	May 18, 1937	7.95	749				
1938	May 27, 1938	3.30	460	1959	May 14, 1959	1.84	99
1939	Apr. 30, 1939	1.88	159				
1940	May 15, 1940	3.15	445	1960	May 12, 1960	2.61	188
1941	June 7, 1941	4.08	676	1961	May 10, 1961	2.40	151
1942	May 25, 1942	3.92	681				
1943	May 1, 1943	3.92	540	1962	May 6, 1962	3.06	255
1944	June 8, 1944	4.35	780				
1945	May 11, 1945	3.33	333	1963	Aug. 16, 1963	2.89	238

2370. Beaver River at Adamsville, Utah

Location.--Lat 38°15'05", long 112°47'25", in SE¼ sec.30, T.29 S., R.8 W., on left bank 600 ft downstream from bridge on State Highway 21, a quarter of a mile upstream from Indian Creek, and half a mile south of Adamsville.

Drainage area.--272 sq mi.

Gage.--Recording prior to Sept. 15, 1936, and nonrecording Sept. 15, 1936, to Oct. 15, 1937, at site 225 ft upstream at different datum; recording thereafter. Oct. 16, 1937, to May 28, 1946, at site 75 ft downstream at datum 0.50 ft higher. Altitude of gage is 5,500 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 747 cfs prior to 1937, below 200 cfs during 1937, below 433 cfs from 1938 to 1946, and below 606 cfs thereafter.

Remarks.--Several ditches above station divert practically entire flow during irrigation season to supply Adamsville and Beaver districts. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	June 3, 1914	4.27	544	1923	July 25, 1923	3.61	373
1915	July 26, 1915	3.77	430	1924	Mar. 26, 1924	2.11	64
				1925	June 4, 1925	3.21	268
1916	Aug. 5, 1916	4.00	480				
1917	June 9, 1917	3.29	275	1926	May 20, 1926	3.70	395
1918	Apr. 25, 1918	2.14	74	1927	Feb. 17, 1927	2.53	122
1919	May 5, 1919	2.57	147	1928	May 18, 1928	2.45	109
1920	May 23, 1920	4.85	796	1929	Aug. 5, 1929	4.15	494
				1930	Feb. 19, 1930	2.78	171
1921	July 14, 1921	4.96	a836				
1922	May 31, 1922	4.38	583	1931	Feb. 6, 1931	2.10	72

a May have been exceeded by flood of Aug. 23, 1921.

Peak stages and discharges of Beaver River at Adamsville, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1932	Feb. 9, 1932	3.95	455	1948	May 18, 1948	2.75	198
1933	June 1, 1933	3.12	234	1949	June 18, 1949	3.28	296
1934	Aug. 5, 1934	4.75	673	1950	Feb. 6, 1950	3.03	266
1935	June 9, 1935	3.23	274	1951	July 22, 1951	2.05	78
1936	Sept. 1, 1936	5.79	989	1952	June 4, 1952	4.45	605
1937	May 17, 1937	4.85	b778	1953	July 15, 1953	3.63	411
1938	May 28, 1938	2.78	499	1954	Jan. 25, 1954	2.56	183
1939	Mar. 9, 1939	1.72	168	1955	Aug. 17, 1955	2.94	251
1940	May 16, 1940	2.25	304	1956	Jan. 23, 1956	1.82	67
1941	July 23, 1941	4.68	1,090	1957	June 8, 1957	4.65	689
1942	May 27, 1942	2.91	454	1958	May 28, 1958	3.73	480
1943	May 2, 1943	2.02	234	1959	Feb. 18, 1959	2.00	120
1944	June 9, 1944	3.20	509	1960	Sept. 6, 1960	2.55	233
1945	July 28, 1945	2.98	438	1961	Sept. 8, 1961	3.40	431
1946	Oct. 10, 1945	1.51	109	1962	May 7, 1962	1.98	138
1947	May 11, 1947	4.03	465	1963	Aug. 8, 1963	2.08	148

b Maximum observed.

2390. Beaver River at Rockyford Dam, near Minersville, Utah

Location.--Lat 38°14', long 112°50', in NW¼ sec.11, T.30 S., R.9 W., on right bank half a mile downstream from Rockyford Dam and 4¾ miles east of Minersville.

Drainage area.--512 sq mi.

Gage.--Recording except nonrecording May 29, 1927, to Apr. 21, 1937. Prior to June 1, 1916, at site 1,500 ft upstream at different datum. Concrete control at both sites. Altitude of gage is 5,400 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements below 172 cfs prior to June 1916, and below 495 cfs thereafter.

Remarks.--Flow regulated by Rockyford Reservoir (capacity, 23,260 acre-ft). Numerous diversions for irrigation and municipal use above reservoir. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	June 9, 1914	-	a344	1939	May 3, 1939	1.70	128
1915	July 12, 1915	4.49	202	1940	May 21, 1940	1.54	91
1916	Aug. 23, 1916	1.66	168	1941	June 8, 1941	3.02	507
1917	June 26, 1917	-	a162	1942	May 29, 1942	2.43	309
1918	May 10, 1918	1.91	a126	1943	May 7, 1943	1.66	109
1919	May 13, 1919	1.72	108	1944	June 10, 1944	3.15	561
1920	June 1, 1920	3.12	548	1945	July 13,16,1945	1.79	116
1921	June 10, 1921	3.53	727	1946	July 13, 1946	-	a105
1922	May 29-31, June 1,2,1922	3.14	a564	1947	July 10, 1947	2.05	a124
				1948	May 23-31, 1948	1.71	a128
1923	May 22, 1923	2.25	a236	1949	June 23-25,27, 1949	-	a149
1924	May 24, 1924	1.69	a107				
1925	May 30, 1925	1.67	a103	1950	May 19, 1950	1.62	a120
1926	June 26-30,1926	1.67	a105	1951	June 23, 1951	1.62	a65
1927	May 7, 1927	1.68	a107	1952	June 7, 1952	3.05	a513
1928	May 4, 1928	1.76	a121	1953	July 20, 1953	1.95	a116
1929	May 7-13,1929	1.76	a121	1954	May 17, 1954	1.64	a100
1930	June 2-4,1930, July 10-12, 1930	1.78	a124	1955	May 11-14,1955	1.47	a86
				1956	June 25, 1956	-	a176
1931	May 9, 1931	1.65	a107	1957	July 17, 1957	-	a124
1932	July 9-20,1932	1.63	a109	1958	May 29, 1958	2.14	a212
1933	May 24, 1933	1.67	121	1959	July 2, 1959	2.20	a152
1934	May 7, 1934	1.68	a111	1960	May 9-18,1960	-	a33
1935	June 25-28,1935	-	a107	1961	July 6-10,1961	-	a42
1936	Aug. 25-31,1936	1.67	a114	1962	July 9-13, 1962	-	a86
1937	May 18, 1937	3.34	a668	1963	July 9-13, 1963	-	a57
1938	Nov. 1, 1937	2.04	205				

a Maximum daily.

2400. Beaver River at Minersville, Utah

Location.--Lat 38°13'10", long 112°55'35", in NE¼ sec.12, T.30 S., R.10 W., on right bank at Minersville.

Drainage area.--560 sq mi, approximately.

Gage.--Nonrecording Apr. 13, 1909, to Dec. 20, 1913, at site three-quarters of a mile downstream at different datum; recording and concrete control thereafter. Altitude of gage is 5,250 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 343 cfs prior to 1914 and below 263 cfs thereafter.

Remarks.--Diversions above station for irrigation. Flow regulated by Rockyford Reservoir (capacity, 23,260 acre-ft). Only annual peaks are shown (maximum observed 1909-13).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1909	Sept. 6, 1909	4.6	a568	1951	July 5, 1951	1.00	b41
1910	Jan. 2, 1910	-	1,000	1952	June 6, 1952	2.43	433
				1953	July 14, 1953	1.92	243
1911	Jan.10,11, 1911	3.25	164	1954	May 21, 1954	1.07	49
1912	July 31, 1912	6.0	1,200	1955	Aug. 23, 1955	2.50	447
1913	Sept. 2, 1913	4.0	406				

a Maximum observed during period April to September.
b Maximum during period June 29 through September.

2406. Big Wash near Milford, Utah

Location.--Lat 38°29', long 113°07', in NE¼ sec.26, T.27 S., R.12 W., on left bank 8.2 miles northwest of Milford on State Highway 21.

Drainage area.--51 sq mi, approximately.

Gage.--Crest-stage gage. Altitude of gage is 5,600 ft (from topographic map).

Stage-discharge relation.--Defined by zero flow, slope-area measurement at 107 cfs, culvert measurement at 400 cfs, and extended above by logarithmic plotting.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Sept.17, 1959	11.00	158	1962	Sept.28, 1962	12.00	350
1960	July 9, 1960	10.10	42	1963	Sept.18, 1963	12.80	520
1961	Sept.17, 1961	12.22	400				

PAROWAN VALLEY

2413. Fremont Wash near Paragonah, Utah

Location.--Lat 38°05', long 112°41', in SE¼ sec.30, T.31 S., R.7 W., on right bank 50 ft upstream from bridge on old U.S. Highway 91, and 14.5 miles north of Paragonah.

Drainage area.--120 sq mi, approximately.

Gage.--Crest-stage gage. Altitude of gage is 5,926.82 ft (based on U.S. Coast and Geologic Survey bench mark).

Stage-discharge relation.--Defined by zero flow, float measurement at 78 cfs, and slope-area measurements at 82 and 205 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges of Fremont Wash near Paragonah, Utah

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Aug. 2, 1959	10.21	45	1962	Mar. 23, 1962	11.07	100
1960	Sept. 5, 1960	10.25	50	1963	Aug. 7, 1963	12.01	205
1961	Aug. 29, 1961	11.01	82				

2415. Center Creek near Parowan, Utah

Location.--Lat 37°50', long 112°49', in SE¼ sec.24, T.34 S., R.9 W., 600 ft downstream from Parowan municipal powerplant, 1½ miles south of Parowan, and 2½ miles downstream from Left Fork.

Drainage area.--60 sq mi. Mean altitude, 8,680 ft.

Gage.--Recording. Altitude of gage is 6,250 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 52 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	Aug. 17, 1943	-	143	1947	May 4, 1947	-	136
1944	May 30, 1944	-	115	1948	May 15, 1948	3.32	194
1945	Aug. 5, 1945	4.59	386	1949	July 2, 1949	2.72	114
1946	Oct. 11, 1945	-	115	1950	May 17, 1950	1.99	32

CEDAR CITY VALLEY

2418. Ashdown Creek near Cedar City, Utah

Location.--Lat 37°38'15", long 112°54'15", in SW¼ sec.29, T.36 S., R.9 W., on right bank 1 mile upstream from East Fork Coal Creek and 8 miles southeast of Cedar City.

Drainage area.--13.1 sq mi.

Gage.--Recording. Altitude of gage is 7,540 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 83 cfs, and extended to 1,000 cfs on basis of a slope-area measurement 8 miles downstream on Coal Creek and a field determination that most of the floodwaters were from Ashdown Creek.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1957	Aug. 23, 1957	1.79	a131	1960	Sept. 5, 1960	2.61	116
1958	Sept.12, 1958	2.59	228				
1959	Aug. 3, 1959	4.95	b1,000	1961	Aug. 3, 1961	4.69	b850

a Maximum during period January to September.
b About.

2419. Coal Creek above Right Hand Creek, near Cedar City, Utah

Location.--Lat 37°39'10", long 112°59'05", in SE¼ sec.21, T.36 S., R.10 W., on right bank 600 ft upstream from Right Hand Creek, at county road about 500 ft from junction with State Highway 14, and 5 miles southeast of Cedar City.

Drainage area.--54.2 sq mi.

Gage.--Crest-stage gage. Altitude of gage is 6,500 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 140 cfs and a slope-area measurement at 1,210 cfs. The stage-discharge relation is subject to considerable shifting.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Aug. 3, 1959	12.40	1,210	1962	Sept.28, 1962	11.60	388
1960	Sept. 6, 1960	10.03	220	1963	Aug. 19, 1963	11.68	410
1961	Aug. 3, 1961	14.15	1,470				

2420. Coal Creek near Cedar City, Utah

Location.--Lat 37°40'20", long 113°02'05", in NE¼ sec.13, T.36 S., R.11 W., on right bank 300 ft downstream from powerplant, 1.3 miles east of Cedar City, and 4 miles downstream from South Creek.

Drainage area.--80.9 sq mi. Mean altitude, 8,640 ft.

Gage.--Nonrecording prior to Mar. 30, 1939; recording thereafter. Prior to May 15, 1945, at several sites about 0.5 mile upstream at various datums. May 15, 1945, to Oct. 10, 1951, and May 4 to July 2, 1952, at site 2 miles upstream at different datum. Concrete control at present site. Altitude of gage is 6,000 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 330 cfs and extended above by weir formula and logarithmic plotting.

Remarks.--Base for partial-duration series, 350 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1916	May 6, 1916	-	a480	1952	May 7, 1952	3.59	416
1917	May 15, 1917	-	a390		May 14, 1952	3.68	418
1918	Aug. 11, 1918	-	500		May 20, 1952	3.85	456
1919	May 28, 1919	-	a500		June 3, 1952	3.56	379
1935	Aug. 25, 1935	-	a840	1953	July 14, 1953	6.55	1,750
					July 31, 1953	4.02	891
1936	July 9, 1936	6.4	a2,910				
1937	May 17, 1937	-	a830	1954	May 7, 1954	2.95	357
1938	May 15, 1938	-	a491		July 4, 1954	4.12	668
1939	Sept. 6, 1939	-	1,850		July 19, 1954	4.70	1,000
1940	Sept.28, 1940	-	1,630				
				1955	July 15, 1955	3.5	450
1941	May 11, 1941	-	800		July 20, 1955	3.5	450
1942	May 20, 1942	-	533		Aug. 13, 1955	5.7	1,570
1943	July 29, 1943	-	1,250		Aug. 15, 1955	3.3	548
1944	May 24, 1944	-	765		Aug. 25, 1955	5.0	1,310
1945	July 29, 1945	-	816				
				1956	July 28, 1956	-	(b)
1946	July 22, 1946	-	208				
1947	May 6, 1947	-	410	1957	May 28, 1957	2.55	651
					June 10, 1957	2.18	507
1948	May 6, 1948	3.72	408				
				1958	Apr. 22, 1958	2.03	409
1949	May 3, 1949	3.46	346		May 11, 1958	2.82	863
					May 21, 1958	3.07	1,220
1950	Apr. 27, 1950	2.78	211		Sept.12, 1958	4.3	2,360
					Sept.13, 1958	2.36	683
1951	May 6, 1951	2.43	112		Sept.28, 1958	2.07	442

a Maximum observed. b Not determined.

Peak stages and discharges of Coal Creek near Cedar City, Utah--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Aug. 3, 1959	5.45	1,210	1961	Aug. 22, 1961	4.28	1,500
	Aug. 8, 1959	2.97	(b)		Sept. 8, 1961	5.50	1,750
	Aug. 19, 1959	3.05	(b)		Sept.17, 1961	4.05	1,400
1960	Sept. 6, 1960	2.20	477	1962	May 4, 1962	2.82	468
					June 29, 1962	4.00	1,040
1961	July 30, 1961	2.18	469		Sept.28, 1962	2.69	417
	Aug. 3, 1961	3.60	1,250				
	Aug. 5, 1961	2.30	570	1963	Aug. 17, 1963	3.07	627
	Aug. 10, 1961	6.50	2,000		Aug. 31, 1963	3.10	642
	Aug. 20, 1961	2.53	767		Sept.18, 1963	5.33	1,600
	Aug. 21, 1961	2.08	388				

b Not determined.

2421. Shurtz Creek near Cedar City, Utah

Location.--Lat 37°36'50", long 113°06'40", in NE¼ sec.5, T.37 S., R.11 W., at bridge on county road 1.1 miles south of junction with U.S. Highway 91 and 5.3 miles southwest of Cedar City.

Drainage area.--12.8 sq mi.

Gage.--Crest-stage gage. Altitude of gage is 5,870 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 94 cfs and culvert measurements at 416 and 1,230 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	July 24, 1959	11.20	110	1962	Sept.28, 1962	14.28	330
1960	Sept. 1, 1960	11.70	140	1963	Aug. 1, 1963	13.23	240
1961	Sept. 8, 1961	15.20	416				

2422. Duncan Creek near Cedar City, Utah

Location.--Lat 37°38'05", long 113°16'20", in SE¼ sec.26, T.36 S., R.13 W., on right bank 65 ft upstream from ford at junction with State Highway 56 and 13 miles west of Cedar City.

Drainage area.--11.9 sq mi.

Gage.--Crest-stage gage. Altitude of gage is 5,840 ft (from topographic map).

Stage-discharge relation.--Defined by slope-area measurement at 363 cfs and estimates based on field surveys at 1,240 and 3,880 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Aug. 3, 1959	12.62	363	1962	Apr. 27, 1962	10.07	a50
1960	Sept. 6, 1960	12.00	250	1963	Aug. 19, 1963	16.5	a3,880
1961	Nov. 6, 1960	11.34	150				

a Estimated on basis of field survey.

2432.4. Baker Creek at narrows, near Baker, Nev.

Location.--Lat 38°59'25", long 114°12'35", in NE¼ sec.22, T.13 N., R.69 E., on left bank, at narrows, 1,200 ft downstream from Pole Canyon and 5¼ miles southwest of Baker.

Drainage area.--16.4 sq mi.

Gage.--Recording. Altitude of gage is 6,800 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 90 cfs and extended above by logarithmic plotting.

Remarks.--Base for partial-duration series, 20 cfs. Only annual peaks are shown since 1955.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1948	May 19, 1948	1.56	21	1952	June 7, 1952	2.72	178
	May 29, 1948	1.65	27				
	June 2, 1948	1.76	37	1953	June 15, 1953	1.45	23
	June 10, 1948	1.78	42				
	June 21, 1948	1.56	21	1954	May 22, 1954	2.50	86
1949	May 18, 1949	1.61	28	1955	June 9, 1955	2.43	75
	May 28, 1949	2.03	72				
	June 16, 1949	2.43	146	1960	Sept. 3, 1960	2.36	92
1950	May 31, 1950	1.84	54	1961	May 29, 1961	1.81	28
				1962	June 22, 1962	2.26	75
1951	May 28, 1951	2.10	84	1963	June 21, 1963	2.28	79
1952	May 14, 1952	2.10	96				

2432.6. Lehman Creek near Baker, Nev.

Location.--Lat 39°01', long 114°13', in sec.10, T.13 N., R.69 E., on left bank 4¾ miles west of Baker.

Drainage area.--11 sq mi, approximately. Mean altitude, 9,130 ft.

Gage.--Recording. Prior to Oct. 3, 1953, at site 45 ft downstream. Altitude of gage is 6,730 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Base for partial-duration series, 10 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1948	(a)	1.31	15	1952	June 2, 1952	1.49	45
1949	June 19, 1949	1.38	34	1953	June 25, 1953	.85	6.8
1950	June 7, 1950	1.13	16	1954	May 22, 1954	3.82	21
					July 13, 1954	3.69	14
1951	May 29, 1951	1.14	16	1955	June 13, 1955	3.88	27

a At times during June 1948.

2510. Big Dip Creek near Stovepipe Wells, Calif.

Location.--Lat 36°55'05", long 117°17'35", in sec.16, T.12 S., R.43 E., in Death Valley, on Scotty's Castle Road, 21 miles northwest of Stovepipe Wells.

Drainage area.--0.95 sq mi.

Gage.--Nonrecording. Altitude of gage is 1,640 ft (from topographic map).

Stage-discharge relation.--Defined by indirect measurement.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Nov. 11, 1958	11.39	15	1962	Feb. 19, 1962	10.41	4.0
1960	Sept. 3, 1960	12.55	32	1963	Aug. 7, 1963	11.62	18
1961	Aug. 22, 1961	13.58	46				

2512. Spring Creek at Furnace Creek Inn, Calif.

Location.--Lat 36°26'40", long 116°50'15", in S½ sec.23, T.27 N., R.1 E., at culvert on State Highway 190, 0.8 mile southeast of Furnace Creek Inn.

Drainage area.--0.21 sq mi.

Gage.--Nonrecording. Altitude of gage is 200 ft (from topographic map).

Stage-discharge relation.--Defined by indirect measurements below 10 cfs. Subject to changes, owing to unstable channel conditions.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Sept.12, 1959	10.30	0.5	1962	Sept.26, 1962	10.35	0.9
1960	-	-	0	1963	Sept.18, 1963	13.93	14
1961	Nov. 6, 1960	11.21	5.5				

2514. Ibex Creek near Tecopa, Calif.

Location.--Lat 35°47'15", long 116°20'00", in sec.33, T.20 N., R.6 E., at culvert on State Highway 127, 7.5 miles southwest of Tecopa.

Drainage area.--0.20 sq mi.

Gage.--Nonrecording. Altitude of gage is 1,720 ft (from topographic map).

Stage-discharge relation.--Tentative definition by indirect measurements below 45 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Sept.13, 1959	-	a0.1	1962	Sept.26, 1962	12.20	45
1960	Nov. 1, 1959	10.21	3.8	1963	Feb. 10, 1963	-	8.0
1961	-	-	0				

a Greater peak discharge may have occurred during period Oct. 1, 1958, to Jan. 15, 1959.

2515. Yucca Creek near Yucca Grove, Calif.

Location.--Lat 35°24'30", long 115°46'20", in SE¼ sec.2, T.15 N., R.11 E., at culvert on U.S. Highway 91 and 466, 2.5 miles northeast of Yucca Grove.

Drainage area.--0.034 sq mi.

Gage.--Nonrecording. Prior to May 11, 1961, at different datum. Altitude of gage is 3,990 ft (from topographic map).

Stage-discharge relation.--Tentative definition by current-meter and indirect measurements, at old site. Defined by indirect measurements at 7.1 cfs at present site.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Aug. 7, 1959	10.66	a4.6	1962	Mar. 6, 1962	1.29	0.2
1960	Sept. 9, 1960	10.35	2.8	1963	Sept.18, 1963	1.80	7.1
1961	Sept.12, 1961	1.53	.3				

a Greater peak discharge may have occurred during period Oct.1, 1958, to Jan. 15, 1959.

2516. Salsberry Creek near Shoshone, Calif.

Location.--Lat 35°55'10", long 116°26'05", in sec.15, T.21 N., R.5 E., at culvert on Shoshone-Death Valley Road 10 miles southwest of Shoshone.

Drainage area.--0.008 sq mi.

Gage.--Nonrecording. Altitude of gage is 3,150 ft (from topographic map).

Stage-discharge relation.--Partly defined by indirect measurement below 2 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	-	-	a0	1962	Sept.26, 1962	10.20	0.2
1960	Sept. 2, 1960	10.82	2.2	1963	Sept.19, 1963	10.80	2.2
1961	Sept.16, 1961	10.10	.1				

a Flow may have occurred during period Oct. 1, 1958, to Jan. 15, 1959.

BRISTOL LAKE BASIN

2527. Creosote Creek near Cadiz, Calif.

Location.--Lat 34°34'15", long 115°28'55", in NE¼ sec.35, T.6 N., R.14 E., at culvert on U.S. Highway 66, 4 miles northeast of Cadiz.

Drainage area.--0.023 sq mi.

Gage.--Nonrecording. Altitude of gage is 1,280 ft (from topographic map).

Stage-discharge relation.--Defined by indirect measurement.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Aug. 17, 1959	10.99	9.2	1962	-	-	0
1960	Mar. 2, 1960	11.10	12	1963	Sept.18, 1963	10.70	.5
1961	Nov. 5, 1960	5.33	5.3				

2530. Gourd Creek near Ludlow, Calif.

Location.--Lat 34°40'35", long 116°01'20", in SW¼ sec.23, T.7 N., R.9 E., at culvert on U.S. Highway 66, 8.5 miles southeast of Ludlow.

Drainage area.--0.30 sq mi.

Gage.--Nonrecording. Altitude of gage is 1,710 ft (from topographic map).

Stage-discharge relation.--Partly defined by indirect measurements at 65 and 106 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	-	-	a0	1962	-	-	0
1960	Nov. 1, 1959	13.78	65	1963	Sept.18, 1963	13.01	49
1961	Sept.12, 1961	16.19	106				

a Flow may have occurred during period Oct. 1, 1958, to Jan. 13, 1959.

SALTON SEA BASIN

2557. San Felipe Creek near Julian, Calif.

Location.--Lat 33°07'07", long 116°26'04", in Anza Borrego State Park, on left bank at bridge on State Highway 78, in Sentenac Canyon 1.0 mile upstream from Grapevine Canyon and 10 miles northeast of Julian, San Diego County.

Drainage area.--89.3 sq mi.

Gage.--Recording and concrete low-water control. Datum of gage is 1,872.69 ft above mean sea level (datum of 1929).

Stage-discharge relation.--Defined by current-meter measurements below 12 cfs.

Bankfull stage.--Not subject to overflow.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Feb. 16, 1959	1.68	7.1	1962	Jan. 24, 1962	1.62	5.5
1960	Dec. 24, 1959	1.66	6.2	1963	Mar. 17, 1963	1.63	5.8
1961	Sept.13, 1961	1.85	16				

2558. Coyote Creek near Borrego Springs, Calif.

Location.--Lat 33°22'30", long 116°25'25", in SE¼ sec.23, T.9 S., R.5 E., on right bank 500 ft upstream from Box Canyon and 9 miles northwest of Borrego Springs.

Drainage area.--144 sq mi. Mean altitude, 3,700 ft.

Gage.--Recording. Altitude of gage is 1,250 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 4 cfs and by slope-area measurements at 3,800 cfs.

Remarks.--Base for partial-duration series, 50 cfs.

Peak stages and discharges of Coyote Creek near Borrego Springs, Calif.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1951	July 25, 1951	3.75	122	1958	Apr. 1, 1958	9.48	230
	July 28, 1951	14.14	3,800		Apr. 3, 1958	10.51	380
					July 30, 1958	10.66	447
1952	Dec. 30, 1951	4.82	99		Aug. 13, 1958	10.84	500
	Jan. 18, 1952	5.10	312		Aug. 21, 1958	8.32	140
1953	Nov. 8, 1952	2.58	14	1959	July 1, 1959	8.90	460
					Aug. 7, 1959	7.52	176
1954	Aug. 31, 1954	8.05	2,020				
				1960	Aug. 31, 1960	9.95	845
1955	July 18, 1955	6.05	306		Sept. 7, 1960	9.9	530
	July 19, 1955	7.52	577				
	Aug. 4, 1955	4.25	102	1961	Aug. 15, 1961	11.02	940
	Aug. 10, 1955	4.34	110				
	Aug. 18, 1955	4.10	90	1962	Oct. 27, 1961	8.37	2.5
	Aug. 23, 1955	a12.4	-				
				1963	Aug. 7, 1963	8.93	20
1956	July 25, 1956	8.44	100				
1957	Aug. 17, 1957	6.94	44				

a Backwater from debris cone at mouth of Box Canyon 500 ft downstream.

2558.1. Borrego Palm Creek near Borrego Springs, Calif.
(Published as "Palm Canyon Creek" prior to 1961)

Location.--Lat 33°16'44", long 116°25'45", in Anza-Borrego State Park on left bank 3.3 miles northwest of Borrego Springs, San Diego County.

Drainage area.--21.7 sq mi. Mean altitude, 4,480 ft.

Gage.--Recording. Altitude of gage is 1,200 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter and slope-area measurements below 500 cfs and by velocity-area study at 2,000 cfs.

Remarks.--Base for partial-duration series, 15 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1951	July 28, 1951	2.60	45	1958	Mar. 16, 1958	2.90	66
					Mar. 22, 1958	3.17	88
1952	Dec. 30, 1951	2.51	40		Apr. 3, 1958	3.53	123
	Jan. 18, 1952	2.68	50		Apr. 7, 1958	2.89	57
	Mar. 11, 1952	2.01	18				
				1959	July 23, 1959	4.44	93
1953	Dec. 17, 1952	1.81	14				
				1960	Feb. 10, 1960	1.97	5.1
1954	Mar. 22, 1954	1.91	15				
				1961	Jan. 27, 1961	1.62	.5
1955	Aug. 4, 1955	3.1	82				
	Aug. 23, 1955	9.9	2,000	1962	Feb. 20, 1962	1.86	1.9
1956	Feb. 1, 1956	2.12	8.0	1963	Feb. 10, 1963	2.10	3.5
1957	Jan. 7, 1957	1.85	3.4				

2560. Whitewater River at White Water, Calif.

Location.--Lat 33°56'48", long 116°38'24", in NW¼NW¼NE¼ sec.2, T.3 S., R.3 E., on right bank 1.5 miles north of White Water and 3½ miles upstream from San Gorgonio River.

Drainage area.--57.4 sq mi. Mean altitude, 5,530 ft.

Gage.--Recording, except nonrecording Feb. 24, 1950, to Sept. 30, 1952. Datum of gage is 1,610.98 ft above mean sea level, adjustment of 1934.

Stage-discharge relation.--Defined by current-meter measurements below 680 cfs and extended above by logarithmic plotting.

Historical data.--Maximum flood known occurred Mar. 2, 1938; 42,000 cfs, from slope-area measurement at site 2.5 miles upstream.

Remarks.--Water is diverted out of the basin about 15 miles upstream to power-plants in San Gorgonio River basin and thence to an area north of Banning for irrigation. Base for partial-duration series, 100 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1949	Oct. 18, 1948	-	(a)	1957	Jan. 13, 1957	8.68	b750
	Jan. 20, 1949	-	(a)		Feb. 23, 1957	7.20	134
1950	Nov. 10, 1949	7.4	225	1958	Dec. 15, 1957	8.00	343
	Sept. 6, 1950	8.08	450		Jan. 26, 1958	8.25	304
					Feb. 4, 1958	10.55	250
1951	Jan. 29, 1951	6.93	102		Mar. 16, 1958	9.95	646
					Apr. 1, 1958	8.22	607
1952	Dec. 5, 1951	7.72	265		Apr. 3, 1958	8.35	b1,500
	Dec. 30, 1951	7.42	149		Apr. 22, 1958	8.20	299
	Jan. 16, 1952	7.12	219		July 29, 1958	7.08	140
	Jan. 18, 1952	7.24	180		Sept. 7, 1958	6.45	132
1953	Apr. 28, 1953	6.52	98	1959	Feb. 11, 1959	6.60	132
					Feb. 16, 1959	7.20	1,300
1954	Jan. 19, 1954	6.47	137		Aug. 2, 1959	6.13	101
	Jan. 25, 1954	7.40	592		Sept.13, 1959	6.02	170
	Feb. 13, 1954	7.14	421				
	Mar. 22, 1954	7.13	415	1960	Dec. 25, 1959	5.84	104
	June 25, 1954	7.52	686		Feb. 2, 1960	6.79	140
1955	Nov. 11, 1954	6.73	157	1961	Jan. 26, 1961	5.34	62
	Dec. 10, 1954	6.76	148				
	Jan. 2, 1955	6.61	129	1962	Dec. 2, 1961	7.04	185
1956	Jan. 27, 1956	6.86	578	1963	Feb. 10, 1963	6.83	109
					Sept.18, 1963	7.80	660
1957	Jan. 7, 1957	7.10	397				

a Momentary maximum may have exceeded base; daily discharge estimated on basis of diversion records.
b Approximate.

2580. Tahquitz Creek near Palm Springs, Calif.

Location.--Lat 33°48'18", long 116°33'30", in NE¼SW¼SW¼ sec.22, T.4 S., R.4 E., on left bank 2.2 miles southwest of Palm Springs and 7 miles upstream from mouth.

Drainage area.--16.7 sq mi. Mean altitude, 6,920 ft.

Gage.--Recording. Datum of gage is 764.5 ft above mean sea level (levels by Riverside County Flood Control and Water Conservation District).

Stage-discharge relation.--Defined by current-meter measurements below 60 cfs and by slope-area measurements at 1,570 cfs.

Remarks.--Base for partial-duration series, 20 cfs.

Peak stages and discharges of Tahquitz Creek near Palm Springs, Calif.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1948	July 22, 1948	3.92	143	1956	Jan. 27, 1956	2.44	37
1949	Apr. 24, 1949	1.99	19	1957	Jan. 13, 1957	3.73	138
1950	Feb. 7, 1950	1.76	15	1958	Feb. 4, 1958	2.12	24
					Mar. 16, 1958	3.20	99
1951	July 28, 1951	4.15	164		Mar. 22, 1958	2.68	56
					Apr. 3, 1958	2.67	54
1952	Dec. 30, 1951	3.83	135				
	Jan. 18, 1952	2.47	38	1959	Feb. 16, 1959	3.38	107
	May 20, 1952	2.85	63				
				1960	Apr. 27, 1960	1.27	5.4
1953	Apr. 28, 1953	2.40	36				
				1961	Aug. 22, 1961	6.50	615
1954	Mar. 22, 1954	2.63	48				
	Aug. 31, 1954	8.45	1,570	1962	Feb. 8, 1962	2.00	20
1955	July 19, 1955	4.63	248	1963	Feb. 10, 1963	1.25	5.1
	Aug. 23, 1955	3.38	106				

2585. Palm Canyon Creek near Palm Springs, Calif.

Location.--Lat 33°44'55", long 116°32'15", in S½ sec.11, T.5 S., R.4 E., on right bank three-quarters of a mile upstream from Murray Canyon Creek and 6 miles south of Palm Springs.

Drainage area.--94.0 sq mi. Mean altitude, 3,950 ft.

Gage.--Recording. Prior to Jan. 14, 1942, at datum 0.2 ft higher. Altitude of gage is 700 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 120 cfs and extended to 3,850 cfs on basis of velocity-area study.

Remarks.--Base for partial-duration series, 100 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1931	Feb. 14, 1931	1.09	31	1941	Dec. 24, 1940	4.85	2,900
					Jan. 28, 1941	2.10	402
1932	Oct. 1, 1931	3.34	1,780		Feb. 12, 1941	1.88	235
	Dec. 9, 1931	1.83	338		Feb. 14, 1941	1.47	110
	Dec. 28, 1931	3.02	1,380		Feb. 22, 1941	2.15	380
	Feb. 2, 1932	1.73	282		Mar. 1, 1941	2.55	623
	Feb. 9, 1932	3.42	1,870		Mar. 4, 1941	2.28	454
	Feb. 18, 1932	1.87	362		Mar. 14, 1941	1.95	298
					Apr. 2, 1941	1.72	188
1933	Oct. 9, 1932	2.17	514		Apr. 11, 1941	1.59	140
1934	July 22, 1934	2.30	650	1948	July 23, 1948	2.81	150
	Aug. 4, 1934	5.20	a700				
				1949	Jan. 21 or 23, 1949	2.59	16
1935	Aug. 23, 1935	-	a300				
1936	Feb. 15, 1936	3.25	a350	1950	Jan. 29, 1950	2.17	16
	Feb. 18, 1936	3.12	250				
	Apr. 4, 1936	2.72	150	1951	July 28, 1951	4.88	850
	July 26, 1936	3.25	300				
				1952	Dec. 30, 1951	4.60	700
1937	Dec. 28, 1936	3.25	1,110		Jan. 18, 1952	5.10	1,010
	Feb. 6, 1937	5.60	3,850		Mar. 11, 1952	3.22	282
	Mar. 13, 1937	2.12	258		Mar. 16, 1952	3.24	288
	Mar. 16, 1937	2.22	295		July 30, 1952	3.02	222
1938	Mar. 2, 1938	4.43	2,380	1953	Dec. 17, 1952	3.25	272
	Mar. 12, 1938	1.83	258				
				1954	Feb. 14, 1954	2.62	114
1939	Jan. 9, 1939	1.50	138		Mar. 22, 1954	3.44	358
	Sept. 24, 1939	2.00	223		Mar. 25, 1954	2.67	124
1940	Jan. 8, 1940	2.40	358	1955	July 18, 1955	3.60	263
	Feb. 3, 1940	1.48	133		Aug. 10, 1955	3.25	178
					Aug. 15, 1955	2.93	110
1941	Dec. 18, 1940	1.38	131				

a Approximate.

Peak stages and discharges of Palm Canyon Creek near Palm Springs, Calif.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1956	July 26, 1956	1.72	0.4	1959	Feb. 16, 1959	2.40	82
1957	Jan. 13, 1957	1.92	4.2	1960	Sept.10, 1960	2.52	76
1958	Feb. 4, 1958	3.52	332	1961	Aug. 23, 1961	1.98	25
	Mar. 16, 1958	3.93	504				
	Mar. 22, 1958	3.12	216	1962	Mar. 9, 1962	1.63	4.8
	Apr. 1, 1958	4.55	890				
	Apr. 3, 1958	4.90	1,130	1963	Aug. 7, 1963	2.98	100
	Aug. 16, 1958	4.50	860				

2590. Andreas Creek near Palm Springs, Calif.

Location.--Lat 33°45'36", long 116°32'57", in NW¼SE¼SE¼ sec.3, T.5 S., R.4 E., on left bank at Bureau of Indian Affairs diversion dam, 1.1 miles above mouth and 5.1 miles south of Palm Springs.

Drainage area.--8.78 sq mi. Mean altitude, 4,500 ft.

Gage.--Recording gage and concrete control. Altitude of gage is 800 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 80 cfs and by slope-area measurements at 1,960 cfs.

Remarks.--Base for partial-duration series, 30 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	Feb. 6, 1950	2.22	21	1956	Jan. 27, 1956	2.43	53
1951	July 28, 1951	2.41	50	1957	Jan. 7, 1957	2.33	43
	Aug. 30, 1951	2.40	47		Jan. 13, 1957	2.55	64
1952	Dec. 5, 1951	2.27	30	1958	Feb. 4, 1958	2.38	48
	Dec. 30, 1951	2.44	96		Mar. 16, 1958	2.67	75
	Jan. 16, 1952	2.47	54		Mar. 22, 1958	2.50	55
	Jan. 18, 1952	2.57	31		Apr. 3, 1958	2.65	68
1953	Dec. 17, 1952	2.23	31	1959	Feb. 16, 1959	2.50	57
1954	Jan. 25, 1954	2.19	32	1960	July 22, 1960	2.40	48
	Feb. 13, 1954	2.36	46				
	Mar. 22, 1954	2.70	77	1961	Aug. 23, 1961	2.12	28
	Aug. 31, 1954	7.11	1,960				
				1962	Feb. 8, 1962	2.12	28
1955	July 19, 1955	2.55	60				
	Aug. 23, 1955	3.10	130	1963	Feb. 10, 1963	2.03	21

2605. Deep Creek near Hesperia, Calif

Location.--Lat 34°20'30", long 117°13'40", in SE¼ sec.18, T.3 N., R.3 W., on right bank 0.5 mile upstream from confluence with West Fork Mojave River and 7 miles southeast of Hesperia.

Drainage area.--137 sq mi. Mean altitude, 5,760 ft.

Gage.--Recording. Concrete control since 1938. Prior to Sept. 30, 1922, and from December 1929 to Apr. 20, 1938, at different datums. Apr. 21 to Dec. 10, 1938, at site 0.25 mile downstream at different datum. Altitude of gage is 3,050 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 4,000 cfs and by slope-area measurement at 46,600 cfs.

Historical data.--From investigations made by Corps of Engineers in 1938 and shown in report on Forks flood-control reservoir site, floods occurred in 1859, 1862, 1867, 1884, 1886, 1889, 1891, 1903, 1905, 1907, 1910, 1914, 1916, 1921, 1922, and 1927, and none of these floods exceeded that of 1938; however, records of flood discharge prior to 1930 are incomplete.

Remarks.--Slight regulation by Lake Arrowhead (capacity, 48,000 acre-ft). Hesperia Water Co.'s canal diverts water about 2½ miles above station for irrigation of about 1,500 acres and domestic use below station. Records prior to Sept. 30, 1922, furnished by California Department of Water Resources. Base for partial-duration series, 400 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1906	Mar. 12, 1906	-	10,800	1937	Feb. 6, 1937	9.45	6,700
					Feb. 14, 1937	9.50	6,800
1907	Dec. 12, 1906	-	5,190		Mar. 12, 1937	5.62	1,710
	Jan. 9, 1907	-	2,200		Mar. 16, 1937	7.74	4,010
	Mar. 5, 1907	-	6,920		Apr. 14, 1937	4.20	740
					Apr. 15, 1937	4.22	750
1909	Jan. 22, 1909	-	6,290				
				1938	Mar. 2, 1938	-	a46,600
1910	Dec. 9, 1909	-	3,680				
	Jan. 1, 1910	-	37,900	1939	Apr. 2, 1939	3.54	916
					Sept.25, 1939	4.38	1,850
1911	Mar. 9, 1911	-	6,250				
				1940	Jan. 8, 1940	4.58	2,610
1914	Jan. 25, 1914	-	6,700		Feb. 26, 1940	4.06	1,790
	Feb. 20, 1914	-	9,350		Mar. 31, 1940	3.00	600
1915	Feb. 10, 1915	-	7,160	1941	Dec. 17, 1940	3.30	880
					Dec. 24, 1940	5.85	5,500
1916	Jan. 17, 1916	-	23,000		Feb. 11, 1941	2.90	520
					Feb. 15, 1941	3.08	672
1918	Mar. 7, 1918	-	11,000		Feb. 20, 1941	5.50	4,600
					Mar. 1, 1941	4.05	1,750
1920	Feb. 22, 1920	-	4,760		Mar. 4, 1941	3.64	1,220
					Mar. 14, 1941	4.00	1,540
1921	Mar. 14, 1921	-	2,200		Apr. 5, 1941	4.43	2,280
1930	Mar. 5, 1930	3.55	340	1942	Apr. 4, 1942	2.74	395
1931	Feb. 4, 1931	4.55	900	1943	Jan. 23, 1943	11.30	19,000
	Apr. 26, 1931	5.65	1,600		Feb. 22, 1943	5.40	3,690
					Mar. 4, 1943	5.40	3,260
1932	Dec. 28, 1931	6.50	2,260				
	Feb. 9, 1932	11.30	7,900	1944	Dec. 19, 1943	2.77	402
					Mar. 11, 1944	2.88	490
1933	Apr. 4, 1933	2.52	168				
				1945	Nov. 12, 1944	5.38	3,650
1934	Dec. 13, 1933	4.28	812		Feb. 2, 1945	6.80	6,350
	Dec. 31, 1933	6.60	2,340		Mar. 15, 1945	3.25	735
1935	Oct. 18, 1934	4.40	877	1946	Dec. 23, 1945	6.53	5,800
	Dec. 14, 1934	4.80	1,130		Mar. 30, 1946	6.27	5,300
	Jan. 9, 1935	4.70	1,070		Apr. 7, 1946	2.93	480
	Feb. 6, 1935	5.30	1,510				
	Apr. 8, 1935	6.60	2,760	1947	Nov. 13, 1946	3.54	1,020
					Nov. 20, 1946	3.62	1,110
1936	Feb. 2, 1936	5.20	1,430		Nov. 23, 1946	4.83	2,740
	Feb. 12, 1936	6.10	2,170		Dec. 26, 1946	3.37	850
	Feb. 23, 1936	3.94	625		Dec. 27, 1946	3.37	850
1937	Dec. 16, 1936	3.98	631	1948	Apr. 4, 1948	3.36	840

a Annual peak only.

Peak stages and discharges of Deep Creek near Hesperia, Calif.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1948	Apr. 29, 1948	2.86	416	1957	Jan. 13, 1957	8.25	11,500
1949	Apr. 14, 1949	2.58	248	1958	Dec. 17, 1957	5.45	4,440
					Jan. 26, 1958	3.36	840
1950	Dec. 19, 1949	2.97	496		Feb. 4, 1958	6.11	5,980
	Feb. 7, 1950	3.14	708		Feb. 19, 1958	3.86	1,410
					Mar. 16, 1958	6.01	5,750
1951	May 3, 1951	1.87	40		Apr. 1, 1958	7.28	8,870
					Apr. 3, 1958	8.59	12,400
1952	Dec. 5, 1951	3.12	618		Sept. 6, 1958	4.08	1,740
	Dec. 30, 1951	4.17	2,830				
	Jan. 13, 1952	3.37	850	1959	Feb. 16, 1959	6.50	6,920
	Jan. 16, 1952	3.58	1,060				
	Mar. 15, 1952	4.60	2,620	1960	Apr. 28, 1960	2.24	112
1953	Jan. 7, 1953	2.31	144	1961	Aug. 4, 1961	3.97	1,580
1954	Jan. 19, 1954	3.04	551	1962	Dec. 2, 1961	6.27	6,360
	Jan. 25, 1954	6.67	7,340		Feb. 11, 1962	6.55	7,040
	Feb. 14, 1954	4.77	2,960		Feb. 16, 1962	4.44	1,530
	Mar. 22, 1954	5.57	4,720				
				1963	Feb. 10, 1963	3.13	627
1955	Feb. 17, 1955	2.70	313				
1956	Jan. 27, 1956	6.43	6,740				

2610. West Fork Mojave River near Hesperia, Calif.

Location.--Lat 34°20'27", long 117°14'24", in $SW\frac{1}{4}SW\frac{1}{4}$ sec.18, T.3 N., R.4 W., on left bank at highway bridge, 0.5 mile upstream from confluence with Deep Creek and 6.5 miles southeast of Hesperia.

Drainage area.--74.8 sq mi. Mean altitude, 4,080 ft.

Gage.--Recording. Prior to June 30, 1922, several hundred feet downstream at different datum. Altitude of gage is 3,050 ft (from topographic map).

Stage-discharge relation.--Defined by slope-area measurement at 26,100 cfs.

Historical data.--According to Federal and local agencies other moderate to large floods occurred in the years 1859, 1862, 1867, 1884, 1886, 1889, 1891, 1903, 1905, 1921, 1922, and 1927. On the basis of estimates made by Corps of Engineers, U.S. Army, none of these floods exceeded that of 1938.

Remarks.--Records prior to July 1, 1922, furnished by California Department of Water Resources. Base for partial-duration series, 500 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1907	Dec. 12, 1906	-	5,100	1931	Apr. 26, 1931	3.75	712
	Jan. 9, 1907	-	7,750				
	Mar. 5, 1907	-	12,300	1932	Dec. 28, 1931	4.70	912
					Feb. 1, 1932	3.82	541
1909	Jan. 21, 1909	-	2,540		Feb. 8, 1932	10.00	8,500
	Feb. 7, 1909	-	4,710				
				1933	Jan. 19, 1933	3.28	464
1910	Jan. 1, 1910	-	23,700				
				1934	Jan. 1, 1934	5.25	1,380
1911	Feb. 4, 1911	-	3,140				
	Mar. 9, 1911	-	5,050	1935	Jan. 9, 1935	3.50	600
					Apr. 8, 1935	4.90	1,280
1914	Feb. 20, 1914	-	16,600				
				1936	Feb. 11, 1936	2.98	418
1915	Feb. 2, 1915	-	a2,520				
				1937	Dec. 28, 1936	3.26	614
1916	Jan. 18, 1916	-	12,600		Dec. 31, 1936	5.65	2,080
					Jan. 30, 1937	3.45	695
1920	Mar. 2, 1920	-	b1,160		Feb. 6, 1937	6.37	2,720
					Feb. 14, 1937	6.25	2,600
1930	Mar. 14, 1930	4.20	800		Mar. 13, 1937	7.70	4,100
	May 4, 1930	3.70	530		Mar. 16, 1937	6.34	2,690

a May have been exceeded by a peak of unknown magnitude on Feb. 10.
b Supplemental peak; yearly maximum on or about Mar. 21, not available.

Peak stages and discharges of West Fork Mojave River near Hesperia, Calif.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1937	Mar. 22, 1937	3.54	740	1950	Dec. 19, 1949	4.17	706
1938	Feb. 3, 1938	4.45	1,230	1952	Dec. 30, 1951	3.87	543
	Feb. 11, 1938	4.80	1,450		Jan. 13, 1952	6.12	2,470
	Mar. 2, 1938	-	26,100		Jan. 16, 1952	7.24	4,260
1939	Dec. 19, 1938	3.28	681		Mar. 7, 1952	4.24	558
					Mar. 10, 1952	5.15	1,250
1940	Jan. 8, 1940	4.70	1,390		Mar. 15, 1952	8.89	6,780
				1953	Mar. 20, 1953	2.08	117
1941	Dec. 24, 1940	3.30	630				
	Feb. 20, 1941	5.50	1,860	1954	Jan. 19, 1954	3.34	505
	Mar. 1, 1941	5.15	1,620		Jan. 25, 1954	5.90	2,440
	Mar. 4, 1941	6.05	2,280		Feb. 14, 1954	4.65	1,200
	Mar. 14, 1941	4.85	1,420		Mar. 22, 1954	4.55	1,010
	Mar. 29, 1941	3.42	659		Mar. 30, 1954	4.19	778
	Apr. 1, 1941	3.16	552				
	Apr. 5, 1941	4.30	1,130	1955	Feb. 27, 1955	2.85	261
	Apr. 11, 1941	4.60	1,270				
				1956	Jan. 27, 1956	4.20	880
1942	Dec. 10, 1941	2.90	450				
				1957	Jan. 13, 1957	3.65	562
1943	Jan. 23, 1943	16.1	23,000				
	Feb. 22, 1943	8.92	6,710	1958	Dec. 17, 1957	4.00	760
	Mar. 4, 1943	6.60	3,240		Feb. 4, 1958	6.15	2,740
					Feb. 19, 1958	4.18	748
1944	Dec. 21, 1943	4.13	600		Mar. 16, 1958	4.88	1,300
	Feb. 22, 1944	8.86	6,600		Mar. 22, 1958	4.18	868
	Mar. 2, 1944	4.40	850		Apr. 1, 1958	7.83	5,140
	Mar. 13, 1944	4.14	590		Apr. 3, 1958	10.48	10,200
					Apr. 7, 1958	4.36	1,010
1945	Nov. 12, 1944	5.74	2,200				
	Feb. 2, 1945	5.87	2,350	1959	Feb. 16, 1959	5.87	2,800
	Mar. 15, 1945	4.98	1,380				
				1960	Sept. 2, 1960	4.07	856
1946	Dec. 23, 1945	5.27	1,700				
	Mar. 30, 1946	8.85	6,600	1961	Nov. 6, 1960	2.88	296
1947	Nov. 13, 1946	6.50	3,000	1962	Dec. 2, 1961	3.75	685
	Nov. 20, 1946	6.50	3,000		Feb. 11, 1962	6.90	3,750
	Nov. 23, 1946	4.33	750		Feb. 15, 1962	3.86	568
	Dec. 26, 1946	4.86	1,200				
				1963	Sept. 18, 1963	2.62	164
1948	Apr. 3, 1948	4.11	700				
1949	Jan. 20, 1949	3.34	335				

2615. Mojave River at lower narrows, near Victorville, Calif.
(Published as "at Victorville" prior to 1937 and as "near Victorville" in 1937)

Location.--Lat 34°34'22", long 117°19'08", in SW¼SW¼SE¼ sec.29, T.6 N., R.4 W., on left bank 1,000 ft upstream from bridge on county road (formerly U.S. Highway 66), 2,500 ft downstream from The Atchison, Topeka and Santa Fe Railway Co. bridge, and 3 miles northwest of Victorville.

Drainage area.--530 sq mi. Mean altitude, 4,000 ft.

Gage.--Recording. Nov. 12, 1930, to Dec. 8, 1936, at site 3.8 miles upstream at different datum. Dec. 9, 1936, to Mar. 28, 1938, at datum 2.00 ft higher. Altitude of gage is 2,650 ft (from topographic map).

Stage-discharge relation.--Defined by slope-area measurement at 70,600 cfs.

Historical data.--According to various sources, other moderate to large floods occurred in the years 1859, 1862, 1867, 1884, 1886, 1889, 1891, 1903, 1905, 1907, 1910, 1914, 1916, 1921, 1922, and 1927. The earliest flood measurement, 13,400 cfs, was made by float method at upper narrows on Mar. 31, 1903. The only reported overtopping of the Santa Fe Railway bridge at upper narrows took place in 1938. This confirms the Corps of Engineers' estimate of the 1938 peak as the maximum since 1856.

Remarks.--Periodic regulation by Lake Arrowhead (capacity, 48,000 acre-ft, used principally for recreation). Diversions and pumping for irrigation of about 5,000 acres above station. Base for partial-duration series, 200 cfs. Only annual peaks are shown prior to 1940.

Peak stages and discharges of Mojave River at lower narrows, near Victorville, Calif.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1931	Apr. 27, 1931	1.73	100	1950	Mar.4,5, 1950	-	53
1932	Feb. 9, 1932	7.10	12,500				
1933	Oct. 1, 1932	1.70	a200	1951	Apr. 28, 1951	2.27	109
1934	Jan. 1, 1934	2.82	a810				
1935	Apr. 8, 1935	4.00	a2,200	1952	Dec. 31, 1951	2.78	270
					Jan. 13, 1952	2.89	322
1936	Feb. 23, 1936	1.18	195		Jan. 16, 1952	4.26	1,470
1937	Feb. 14, 1937	7.65	8,880		Jan. 18, 1952	4.32	1,530
1938	Mar. 2, 1938	16.70	70,600		Mar. 15, 1952	6.43	3,690
1939	Apr. 3, 1939	2.17	440		Mar. 27, 1952	3.38	785
					Apr. 8, 1952	3.63	905
1940	Jan. 8, 1940	-	573				
	Feb. 26, 1940	2.97	704	1953	Aug. 11, 1953	2.64	184
1941	Dec. 24, 1940	-	1,500	1954	Jan. 25, 1954	4.17	1,410
	Feb. 21, 1941	5.10	4,480		Mar. 23, 1954	4.44	1,980
	Mar. 1, 1941	-	2,460		Mar. 25, 1954	2.84	264
	Mar. 4, 1941	-	3,130		Mar. 30, 1954	3.43	624
	Mar. 14, 1941	-	2,440		June 25, 1954	3.36	648
	Apr. 6, 1941	-	2,890				
				1955	Nov. 11, 1954	2.31	112
1942	Dec. 10, 1941	-	71				
				1956	Jan. 27, 1956	3.62	790
1943	Jan. 23, 1943	13.0	32,000				
	Feb. 23, 1943	-	8,100	1957	Jan. 13, 1957	4.08	1,300
	Mar. 4, 1943	-	5,650				
	Apr. 9, 1943	-	462	1958	Dec. 17, 1957	2.93	314
					Feb. 4, 1958	4.50	2,070
1944	Feb. 22, 1944	4.66	6,900		Mar. 16, 1958	4.55	1,680
	Mar. 2, 1944	-	1,200		Mar. 22, 1958	4.37	1,570
	Mar. 14, 1944	-	1,200		Apr. 1, 1958	7.67	10,800
					Apr. 3, 1958	9.20	15,900
1945	Nov. 12, 1944	-	850				
	Feb. 2, 1945	4.78	5,500	1959	Feb. 17, 1959	3.10	1,380
	Mar. 15, 1945	-	1,350				
				1960	Dec. 24, 1959	1.25	94
1946	Dec. 23, 1945	-	2,800				
	Mar. 30, 1946	6.30	8,000	1961	Nov. 7, 1960	2.24	298
					Aug. 23, 1961	5.24	2,200
1947	Nov. 14, 1946	-	460				
	Nov. 21, 1946	-	900	1962	Dec. 2, 1961	4.86	2,860
	Nov. 24, 1946	3.48	1,500		Feb. 11, 1962	5.44	3,860
	Dec. 26, 1946	-	1,350		Feb. 16, 1962	2.27	202
	Dec. 27, 1946	-	1,120				
				1963	Aug. 7, 1963	3.84	1,500
1948	Apr. 4, 1948	1.96	130				
1949	Oct. 18, 1948	2.01	114				

a Estimated.

2625. Mojave River at Barstow, Calif.

Location.--Lat 34°54'25", long 117°01'20", in SE¼SW¼ sec.31, T.10 N., R.1 W., on left bank 75 ft upstream from bridge on U.S. Highway 91 at Barstow.

Gage.--Nonrecording. Altitude of gage is 2,090 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 25,000 cfs and extended above on basis of slope-area measurement at 64,300 cfs. Subject to changes owing to unstable channel conditions.

Bankfull stage.--5 ft.

Historical data.--Flood of Mar. 3, 1938, is believed to be the greatest since 1885.

Remarks.--Slight regulation by Lake Arrowhead (capacity, 48,000 acre-ft, used principally for recreation). Diversions and pumping for irrigation of about 15,000 acres above station. Base for partial-duration series, 100 cfs.

Peak stages and discharges of Mojave River at Barstow, Calif.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1931	-	-	0	1945	Mar. 16, 1945	3.00	1,050
1932	Feb. 9, 1932	3.95	8,300	1946	Dec. 24, 1945	2.70	325
					Mar. 31, 1946	2.65	3,000
1933	-	-	0				
				1947	Nov. 24, 1946	2.67	204
1934	-	-	0		Dec. 28, 1946	2.93	500
1935	Apr. 9, 1935	2.58	500	1948	-	-	0
1936	-	-	0	1949	-	-	0
1937	Feb. 8, 1937	2.50	610	1950	-	-	0
	Feb. 15, 1937	3.85	6,000				
	Mar. 14, 1937	3.52	3,800	1951	-	-	0
	Mar. 16, 1937	3.85	5,650				
				1952	Jan. 19, 1952	3.0	670
1938	Mar. 3, 1938	8.60	64,300		Mar. 16, 1952	3.50	960
	Mar. 13, 1938	3.90	5,700		Apr. 9, 1952	3.16	696
	Mar. 23, 1938	3.18	2,310				
				1953	-	-	0
1939	Mar. 5, 1939	-	a85				
				1954	-	-	0
1940	-	-	0				
				1955	-	-	0
1941	Feb. 21, 1941	3.55	2,390				
	Feb. 22, 1941	3.71	2,360	1956	-	-	0
	Mar. 1, 1941	3.62	1,920				
	Mar. 5, 1941	4.22	3,520	1957	-	-	0
	Mar. 14, 1941	3.68	2,430				
	Apr. 5, 1941	3.75	2,490	1958	Mar. 17, 1958	3.00	c100
					Mar. 23, 1958	2.97	201
1942	Mar. 14, 1942	2.81	(b)		Apr. 3, 1958	4.64	9,140
1943	Jan. 23, 1943	7.00	26,000	1959	Oct. 24, 1958	2.18	25
	Feb. 23, 1943	4.20	6,200				
	Mar. 4, 1943	4.0	5,400	1960	-	-	0
1944	Feb. 23, 1944	3.20	2,300	1961	-	-	0
	Mar. 2, 1944	2.68	840				
	Mar. 14, 1944	2.74	980	1962	Feb. 12, 1962	3.08	1,200
1945	Feb. 3, 1945	3.02	1,750	1963	Sept.18, 1963	2.32	8.5

a Maximum daily.
b Not determined.
c About.

2631. Zzyzx Creek near Baker, Calif.

Location.--Lat 35°11'40", long 116°09'05", in sec.20, T.13 N., R.8 E., at culvert on U.S. Highways 91 and 466, 6.5 miles southwest of Baker.

Drainage area.--0.23 sq mi.

Gage.--Nonrecording. Altitude of gage is 1,270 ft (from topographic map).

Stage-discharge relation.--Defined by indirect measurements below 2 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	-	-	a0	1962	Aug. 16, 1962	10.48	2.3
1960	-	-	0	1963	Sept.19, 1963	10.28	1
1961	July 13, 1961	10.28	1.0				

a Flow may have occurred during period Oct. 1, 1958, to Jan. 15, 1959.

2635. Big Rock Creek near Valyermo, Calif.
(Published as Rock Creek prior to October 1954)

Location.--Lat 34°25'15", long 117°50'19", in NW¼SE¼NE¼ sec.20, T.4 N., R.9 W., on left bank 0.1 mile upstream from Punchbowl Canyon and 1.9 miles southwest of Valyermo.

Drainage area.--23.0 sq mi.

Gage.--Recording. Prior to May 4, 1938, at different datums. May 4, 1938, to Jan. 26, 1939, at site 0.2 mile downstream (below Punchbowl Canyon) at different datum. Altitude of gage is 4,050 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 500 cfs and extended above on basis of slope-area measurements at 1,100 and 3,000 cfs for periods January 1923 to May 3, 1938, Jan. 26, 1939, and thereafter. Defined by current-meter measurements below 100 cfs and extended on basis of slope-area measurement at 8,300 cfs for period May 4, 1938, to Jan. 26, 1939 Subject to changes owing to unstable channel conditions.

Bankfull stage.--Not subject to overflow.

Remarks.--Only annual peaks are shown prior to 1948. Base for partial-duration series, 50 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1923	Apr. 10, 1923	1.4	27	1951	Apr. 28, 1951	2.02	4.3
1924	Apr. 14, 1924	1.35	19				
1925	Apr. 4, 1925	1.41	16	1952	Dec. 30, 1951	3.00	224
					Jan. 12, 1952	2.54	67
1926	Apr. 7, 1926	3.38	416		Jan. 16, 1952	2.63	84
1927	Feb. 16, 1927	3.70	510		Mar. 15, 1952	2.67	86
1928	Feb. 4, 1928	2.00	86				
1929	Mar. 10, 1929	2.25	136	1953	Dec. 1, 1952	2.24	17
1930	Mar. 25, 1930	1.94	56				
				1954	Jan. 25, 1954	3.39	320
1931	Apr. 26, 1931	2.20	98		Feb. 13, 1954	2.58	73
1932	Feb. 8, 1932	4.15	800				
1933	Apr. 4, 1933	1.82	24	1955	Nov. 11, 1954	2.45	48
1934	Jan. 1, 1934	2.97	246				
1935	Dec. 14, 1934	3.10	338	1956	Jan. 26, 1956	3.52	380
1936	Feb. 23, 1936	1.85	70	1957	Jan. 13, 1957	3.87	362
1937	Feb. 6, 1937	3.25	360				
1938	Mar. 2, 1938	-	8,300	1958	Dec. 15, 1957	4.05	399
1939	Dec. 18, 1938	9.70	450		Feb. 4, 1958	3.65	295
1940	Feb. 25, 1940	3.28	150		Feb. 19, 1958	3.42	210
					Mar. 16, 1958	3.60	264
1941	Feb. 21, 1941	4.10	512		Apr. 3, 1958	3.52	242
1942	Aug. 10, 1942	2.90	175				
1943	Jan. 23, 1943	7.03	3,040	1959	Feb. 16, 1959	3.28	215
1944	Dec. 19, 1943	2.98	180				
1945	Nov. 11, 1944	3.88	513	1960	Feb. 1, 1960	1.85	6.5
1946	Dec. 21, 1945	4.17	650	1961	Nov. 5, 1960	2.32	34
1947	Dec. 26, 1946	4.58	900				
				1962	Dec. 2, 1961	3.13	140
1948	Apr. 29, 1948	2.63	84		Feb. 11, 1962	5.68	1,090
1949	Apr. 23, 1949	2.32	26	1963	Feb. 9, 1963	2.56	80
1950	Feb. 6, 1950	2.47	48				

2640. Little Rock Creek near Little Rock, Calif.

Location.--Lat 34°27'50", long 118°01'05", in SW¼SW¼NE¼ sec.3, T.4 N., R.11 W., on right bank 0.3 mile upstream from Santiago Creek, 1.65 miles upstream from Little Rock Palmdale Irrigation District's dam, and 5 miles south of Little Rock.

Drainage area.--49.0 sq mi. Mean altitude, 5,470 ft.

Gage.--Recording. Prior to May 1943, at site 500 ft downstream at different datums (datum changed in March 1939). Altitude of gage is 3,290 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Base for partial-duration series, 75 cfs. Records furnished by Los Angeles County Flood Control District.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)
1931	Feb. 4, 1931	-	326
	Apr. 26, 1931	2.90	430
1932	Dec. 28, 1931	2.68	326
	Feb. 8, 1932	5.92	2,200
1933	Mar. 9, 1933	4.26	66
1935	Oct. 18, 1934	1.78	77
	Dec. 14, 1934	3.45	743
	Jan. 5, 1935	2.17	154
	Jan. 9, 1935	1.84	77
	Feb. 5, 1935	3.77	925
	Apr. 8, 1935	3.37	704
1936	Feb. 23, 1936	2.44	261
1937	Feb. 6, 1937	4.74	1,550
	Feb. 14, 1937	4.08	1,070
	Mar. 13, 1937	2.46	281
	Mar. 16, 1937	3.50	813
1938a/	Jan. 15, 1938	2.41	216
	Feb. 11, 1938	3.00	543
	Mar. 2, 1938	-	b17,000
1939a/	Apr. 2, 1939	3.74	123
	Sept.25, 1939	4.48	1,100
1940	Jan. 8, 1940	3.65	555
	Feb. 3, 1940	2.77	185
	Feb. 26, 1940	3.20	405
1941	Dec. 17, 1940	4.10	262
	Dec. 24, 1940	4.30	496
	Feb. 11, 1941	3.93	172
	Feb. 17, 1941	4.50	682
	Feb. 20, 1941	5.27	2,240
	Feb. 28, 1941	4.85	1,000
	Apr. 5, 1941	4.70	974
	Apr. 11, 1941	2.93	212
1942	Dec. 10, 1941	1.99	85
	Apr. 4, 1942	2.04	92
1943	Jan. 23, 1943	8.0	b5,700
	Feb. 1, 1943	5.90	179
	Feb. 21, 1943	5.27	1,340
	Mar. 4, 1943	6.90	2,170
1944	Dec. 11, 1943	5.14	186
	Dec. 19, 1943	6.45	855
	Feb. 22, 1944	6.85	902
	Mar. 2, 1944	5.39	274
1945	Nov. 11, 1944	7.10	1,080
1945	Feb. 2, 1945	6.5	761
1946	Dec. 21, 1945	7.25	1,100
	Mar. 30, 1946	6.3	662
1947	Nov. 13, 1946	5.00	171
	Nov. 20, 1946	6.0	522
	Nov. 23, 1946	6.8	907
	Dec. 26, 1946	9.50	3,180
1948	Apr. 29, 1948	4.86	122
1949	Apr. 14, 1949	4.24	37
1950	Feb. 6, 1950	5.26	212
1951	May 4, 1951	3.64	5.0
1952	Dec. 12, 1951	4.82	101
	Dec. 30, 1951	6.31	502
	Jan. 13, 1952	4.89	106
	Jan. 16, 1952	5.71	287
	Jan. 18, 1952	5.17	154
	Mar. 15, 1952	5.27	182
1953	Jan. 9, 1953	4.32	36
1954	Jan. 19, 1954	5.38	161
	Jan. 25, 1954	6.44	655
	Feb. 13, 1954	4.99	150
	Mar. 22, 1954	4.59	92
1955	Nov. 11, 1954	5.49	236
	Feb. 17, 1955	5.14	155
1956	Jan. 26, 1956	7.17	1,050
1957	Jan. 13, 1957	7.15	1,040
	Feb. 23, 1957	4.80	82
1958	Dec. 15, 1957	7.15	1,070
	Feb. 4, 1958	7.10	1,020
	Feb. 19, 1958	6.48	674
	Mar. 16, 1958	6.7	725
	Apr. 1, 1958	6.26	532
	Apr. 3, 1958	6.67	624
1959	Feb. 16, 1959	6.30	598
1960	June 26, 1960	4.28	17
1961	Nov. 6, 1960	4.49	36
1962	Feb. 11, 1962	9.48	3,180
1963	Feb. 10, 1963	5.12	314

a Water-year record incomplete.
b Estimated.

2645.2. Amargosa Creek tributary near Palmdale, Calif.

Location.--Lat 34°37'51", long 118°19'32", in SE¼ sec.2, T.6 N., R.14 W., at culvert on Pine Canyon Road, San Bernardino National Forest, 12.5 miles northwest of Palmdale.

Drainage area.--0.048 sq mi.

Gage.--Nonrecording. Altitude of gage is 3,200 ft (from topographic map).

Stage-discharge relation.--Tentatively defined by indirect measurements below 6 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Feb. 11, 1959	10.72	2.7	1962	Dec. 2, 1961	11.11	6.6
1960	Dec. 24, 1959	10.34	.7	1963	Apr. 13, 1963	10.82	3.6
1961	-	-	0				

2645.3. Pine Creek near Palmdale, Calif.

Location.--Lat 34°36'09", long 118°14'48", in SW¼ sec.15, T.6 N., R.13 W., at culvert on Pine Canyon Road, 7½ miles northwest of Palmdale.

Drainage area.--0.25 sq mi.

Gage.--Nonrecording. Altitude of gage is 2,990 ft (from topographic map).

Stage-discharge relation.--Defined by indirect measurements below 58 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Jan. 6, 1959	10.41	0.8	1962	Feb. 10, 1962	14.88	58
1960	Apr. 28, 1960	10.32	.5	1963	June 12, 1963	10.92	3.5
1961	Aug. 5, 1961	10.69	2.0				

2645.6. Spencer Canyon Creek near Fairmont, Calif.

Location.--Lat 34°46'33", long 118°34'08", in SW¼ sec.15, T.8 N., R.16 W., at culvert on State Highway 138, 8.5 miles northwest of Fairmont.

Drainage area.--3.51 sq mi.

Gage.--Nonrecording. Altitude of gage is 2,950 ft (from topographic map).

Stage-discharge relation.--Defined by indirect measurements between 100 and 300 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Jan. 6, 1959	-	10	1962	Feb. 11, 1962	11.90	215
1960	-	-	0	1963	Aug. 7, 1963	11.11	126
1961	-	-	0				

2646. Oak Creek near Mojave, Calif.

Location.--Lat 35°03'00", long 118°21'25", in NW¼ sec.15, T.11 N., R.14 W., on upstream right wingwall of culvert, 100 ft downstream from unnamed tributary, 0.1 mile west of junction of Oak Creek and Willow Springs Roads, and 10.5 miles west of Mojave.

Drainage area.--15.8 sq mi.

Gage.--Recording and concrete control. Altitude of gage is 4,100 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 15 cfs.

Bankfull stage.--Not subject to overflow.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1958	Apr. 18, 1958	1.51	22	1961	Aug. 23, 1961	0.98	3.0
1959	Jan. 6, 1959	1.19	9.2	1962	Feb. 11, 1962	1.55	29
1960	Feb. 1, 1960	.97	4.0	1963	Feb. 9, 1963	.97	3.6

2646.05. Joshua Creek near Mojave, Calif.

Location.--Lat 35°00'45", long 118°20'40", in SW¼ sec.26, T.11 N., R.14 W., at culvert on Willow Springs Road, 10 miles southwest of Mojave.

Drainage area.--3.86 sq mi.

Gage.--Nonrecording. Altitude of gage is 3,850 ft (from topographic map).

Stage-discharge relation.--Defined by indirect measurements below 4 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Jan. 6, 1959	10.63	3	1962	Dec. 2, 1961	10.59	0.4
1960	Feb. 29, 1960	10.41	1	1963	Aug. 8, 1963	10.72	4.0
1961	Nov. 5, 1960	10.43	.2				

KOEHN LAKE BASIN

2647. Peewee Creek near Randsburg, Calif.

Location.--Lat 35°27'40", long 117°39'20", in SW¼NE¼ sec.34, T.28 S., R.40 E., at culvert on U.S. Highway 395, 6.5 miles north of Randsburg.

Drainage area.--0.14 sq mi.

Gage.--Nonrecording. Altitude of gage is 3,500 ft (from topographic map).

Stage-discharge relation.--Defined by indirect measurements below 0.8 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	-	-	a0	1962	Mar. 9, 1962	10.25	0.3
1960	-	-	0	1963	Sept.19, 1963	10.65	.8
1961	Nov. 5, 1960	10.26	.2				

a Flow may have occurred during period Oct. 1, 1958, to Jan. 20, 1959.

2649. Salt Wells Creek near Westend, Calif.

Location.--Lat 35°39'20", long 117°26'50", in NE¼NW¼ sec.27, T.26 S., R.42 E., at culvert on Trona Road, 4.8 miles southwest of Westend.

Drainage area.--61.6 sq mi.

Gage.--Nonrecording. Altitude of gage is 1,860 ft (from topographic map).

Stage-discharge relation.--Defined by indirect measurements below 167 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Feb. 16, 1959	10.36	a10	1962	Mar. 9, 1962	10.62	25
1960	Dec. 25, 1959	10.22	7	1963	Aug. 8, 1963	12.48	167
1961	Nov. 5, 1960	11.04	49				

a Greater peak discharge may have occurred during period Oct.1, 1958, to Jan. 20, 1959.

2649.15. Crust Creek near Westend, Calif.

Location.--Lat 35°41'25", long 117°22'50", in NW¼ sec.8, T.26 S., R.43 E., at culvert on Trona Railroad, 1.2 miles southeast of Westend.

Drainage area.--0.13 sq mi.

Gage.--Nonrecording. Altitude of gage is 1,610 ft (from topographic map).

Stage-discharge relation.--Poorly defined.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Sept.13, 1959	-	a0.2	1962	-	-	0
1960	-	-	0	1963	Aug. 8, 1963	9.94	.3
1961	Aug. 22, 1961	9.93	.3				

a Greater peak discharge may have occurred during period Oct. 1, 1958, to Jan. 20, 1959.

OWENS LAKE BASIN

2652. Convict Creek near Mammoth Lakes, Calif.

Location.--Lat 37°36'30", long 118°50'55", in NE¼ sec.14, T.4 S., R.28 E., on right bank 1.1 miles downstream from Convict Lake, 2.0 miles upstream from U.S. Highway 395, and 7.0 miles southeast of Mammoth Lakes (ranger station).

Drainage area.--18.7 sq mi.

Gage.--Nonrecording prior to Nov. 15, 1926; recording gage and wooden control thereafter. Altitude of gage is 7,450 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 220 cfs.

Remarks.--Records furnished by city of Los Angeles, Department of Water and Power. Only annual peaks are shown.

Peak stages and discharges of Convict Creek near Mammoth Lakes, Calif.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1926	May 21, 1926	-	a95	1946	June 6, 1946	-	87
1927	June 17, 1927	-	172	1947	May 26, 1947	-	75
1928	May 29, 1928	-	114	1948	June 29, 1948	-	75
1929	June 30, 1929	-	77	1949	June 12, 1949	-	110
1930	June 15, 1930	-	101	1950	June 4, 1950	-	81
1931	Oct. 21, 1930	-	50	1951	June 27, 1951	-	82
1932	June 29, 1932	4.43	290	1952	June 9, 1952	-	117
1933	June 17, 1933	-	96	1953	July 10, 1953	-	83
1934	May 16, 1934	-	44	1954	June 26, 1954	-	92
1935	June 13, 1935	-	108	1955	June 10, 1955	-	126
1936	June 25, 1936	-	131	1956	June 30, 1956	-	168
1937	June 23, 1937	-	156	1957	June 28, 1957	-	136
1938	June 28, 1938	-	231	1958	June 24, 1958	-	201
1939	June 2, 1939	-	55	1959	June 14, 1959	-	58
1940	June 18, 1940	-	110	1960	June 5, 1960	-	42
1941	June 17, 1941	-	145	1961	Oct. 26, 1960	-	25
1942	July 7, 1942	-	134	1962	June 25, 1962	-	157
1943	May 30, 1943	-	100	1963	June 21, 1963	3.53	223
1944	July 3, 1944	-	82				
1945	June 22, 1945	-	148				

a Maximum daily.

2655. Owens River near Round Valley, Calif.

Location.--Lat 37°26'25", long 118°33'20", in SE¼ sec.10, T.6 S., R.31 E., just downstream from Sheep Bridge, 700 ft upstream from Rock Creek and 2 miles north of town of Round Valley.

Drainage area.--450 sq mi, approximately.

Gage.--Nonrecording prior to Nov. 21, 1920, at site 100 ft downstream at different datum; recording thereafter. Altitude of gage is 4,400 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 920 cfs.

Bankfull stage.--Not subject to overflow.

Remarks.--Diversions for irrigation above station. Records for 1927-40 furnished by city of Los Angeles, Department of Water and Power. Only annual peaks are shown (maximum observed prior to 1921).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1904	June 16, 17, 20, 1904	-	635	1920	June 23, 1920	-	366
1905	June 17-23, 1905	-	533	1921	June 12, 1921	-	453
				1922	June 28, 1922	-	709
1906	June 10, 1906	-	839	1923	July 4, 1923	-	465
1907	June 30, 1907	-	1,192				
1908	Mar. 15, 16, 1908	-	441	1928	May 30, 1928	-	a337
1909	July 3, 1909	-	836	1929	Mar. 4, 1929	-	a232
1910	June 4, 1910	-	676	1930	Mar. 23, 1930	-	a243
1911	June 22, 1911	-	a1,080	1931	Apr. 25, 1931	-	a170
1912	June 1, 1912	-	485	1932	July 2, 1932	-	a618
1913	June 12, 1913	-	435	1933	June 17, 1933	-	450
1914	May 31 to June 3, 1914	-	1,010	1934	Dec. 12, 1933	-	375
				1935	June 14, 1935	-	476
1915	June 30, 1915	-	508				
				1936	June 25, 1936	-	640
1916	June 17, 1916	-	625	1937	June 23, 1937	-	685
1917	June 12, 1917	-	875	1938	Dec. 11, 1937	4.87	1,560
1918	June 21, 1918	-	683	1939	Oct. 7, 1938	-	412
1919	May 30, 1919	-	595	1940	June 18, 1940	-	570

a Maximum daily.
Note.--Discharges are maximum observed prior to 1921.

2657. Rock Creek at Little Round Valley, near Bishop, Calif.

Location.--Lat 37°33'10", long 118°41'00", in SE¼SE¼ sec.32, T.4 S., R.30 E., on right bank just upstream from diversion to Little Round Valley, 0.6 mile south of Toms Place and 20 miles northwest of Bishop, Mono County.

Drainage area.--35.8 sq mi.

Gage.--Recording. May 24, 1926, to May 28, 1953, at different datums. Since May 1953, 6-foot Parshall flume. Altitude of gage is 7,450 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 250 cfs.

Remarks.--Records furnished by city of Los Angeles, Department of Water and Power. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1927	June 14, 1927	-	205	1946	July 26, 1946	-	119
1928	May 29, 1928	-	130	1947	May 25, 1947	-	89
1929	June 30, 1929	-	75	1948	June 30, 1948	-	77
1930	June 16, 1930	-	90	1949	June 12, 1949	-	141
				1950	June 3, 1950	-	121
1931	June 6, 1931	-	30				
1932	June 27, 1932	-	168	1951	June 22, 1951	-	117
1933	June 16, 1933	-	112	1952	July 26, 1952	2.93	270
1934	Dec. 17, 1933	-	70	1953	July 18, 1953	-	135
1935	June 13, 1935	-	107	1954	May 21, 1954	-	98
				1955	June 11, 1955	-	153
1936	June 24, 1936	-	142				
1937	June 22, 1937	-	151	1956	June 30, 1956	-	193
1938	June 27, 1938	-	257	1957	June 5, 1957	-	147
1939	May 31, 1939	-	78	1958	June 24, 1958	-	159
1940	June 15, 1940	-	118	1959	June 13, 1959	-	54
				1960	June 5, 1960	-	55
1941	June 16, 1941	-	145				
1942	July 6, 1942	-	120	1961	June 20, 1961	-	58
1943	May 28, 1943	-	116	1962	June 24, 1962	-	144
1944	July 3, 1944	-	79	1963	June 20, 1963	3.88	207
1945	July 3, 1945	-	143				

2660. Rock Creek at Sherwin Hill, near Bishop, Calif.

Location.--Lat 37°28'45", long 118°36'05", in SW¼ sec.29, T.5 S., R.31 E., at Sherwin Hill, 3 miles upstream from Pine Creek and 14 miles northwest of Bishop.

Drainage area.--51.7 sq mi.

Gage.--Nonrecording prior to Apr. 5, 1924; recording thereafter and, since 1933, Parshall flume. Altitude of gage is 4,900 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 150 cfs.

Bankfull stage.--Not subject to overflow.

Remarks.--Diversions above station for irrigation in Little Round Valley or for discharge into Owens River at lower end of Long Valley. Records furnished by city of Los Angeles, Department of Water and Power. Only annual peaks are shown (maximum daily prior to 1933).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1923	July 5, 1923	-	104	1931	June 6, 1931	-	27
1924	Mar. 22, May 22, 1924	-	34	1932	June 27, 1932	-	142
				1933	June 15, 1933	-	79
1925	June 26, July 3, 1925	-	73	1934	Apr. 22, 25, 1934	-	22
				1935	June 12, 13, 1935	-	77
1926	June 9, 1926	-	134	1936	June 24, 1936	-	117
1927	June 17, 1927	-	162	1937	June 22, 1937	-	113
1928	May 28, 29, 1928	-	108	1938	June 27, 1938	4.12	229
1929	June 30, 1929	-	58	1939	May 1, 1939	-	47
1930	June 16, 19, 1930	-	71	1940	June 18, 1940	-	98

Note.--Maximum daily mean discharges are shown prior to 1933.

2665. Rock Creek near Round Valley, Calif.

Location.--Lat 37°26'25", long 118°34'15", in SE¼ sec.9, T.6 S., R.31 E., 0.1 mile upstream from Pine Creek and 2 miles northwest of town of Round Valley.

Drainage area.--96 sq mi, approximately.

Gage.--Nonrecording prior to July 1906, at site 600 ft upstream at different datum, and July 1906 to November 1923, at described site and datum; recording thereafter. Altitude of gage is 4,450 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 100 cfs prior to July 1906; below 180 cfs thereafter.

Bankfull stage.--Not subject to overflow.

Remarks.--Diversions above station for irrigation; at times flow diverted from Rock Creek to Owens River at elevation of about 7,300 ft. Records furnished by city of Los Angeles, Department of Water and Power. Only annual peaks are shown (maximum daily prior to 1933).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1904	June 16,17, 1904	-	109	1920	May 30, 1920	-	84
1905	June 19, 1905	-	81	1921	June 11, 1921	-	184
1906	June 25,26 1906	-	215	1922	June 6, 1922	-	137
1907	June 30, 1907	-	195	1923	July 5, 1923	-	95
1908	Aug. 13, 1908	-	80	1930	June 19, 1930	-	60
1909	July 3, 1909	-	172	1931	Jan. 31, 1931	-	30
1910	June 4, 1910	-	94	1932	June 28, 1932	-	143
1911	June 22, 1911	-	225	1933	June 15, 1933	-	92
1912	June 11, 1912	-	64	1934	Jan. 1, 1934	-	110
1913	July 30 to Aug. 1,1913	-	61	1935	June 11, 1935	-	84
1914	Jan. 25, 1914	5.0	360	1936	June 24, 1936	-	107
1915	June 23, 1915	-	111	1937	June 22, 1937	-	108
1916	June 19, 1916	-	157	1938	June 28, 1938	-	274
1917	July 4, 1917	-	170	1939	Oct. 6, 1938	-	52
1918	June 21, 1918	-	185	1940	June 18, 1940	-	94
1919	May 30, 1919	-	159				

Note.--Maximum daily mean discharges are shown prior to 1933.

2670. Pine Creek at division box, near Bishop, Calif.

Location.--Lat 37°25'00", long 118°37'15", in NW¼ sec.19, T.6 S., R.31 E., on right bank 0.25 mile upstream from division box (at Rovana), 1.9 miles west of Round Valley schoolhouse, and 13 miles northwest of Bishop.

Drainage area.--37.9 sq mi. Mean altitude, 10,270 ft.

Gage.--Nonrecording prior to November 1938; recording and Parshall flume thereafter. Altitude of gage is 5,280 ft (from topographic map).

Stage-discharge relation.--Unknown.

Remarks.--Records furnished by city of Los Angeles. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1922	June 26, 1922	3.62	310	1930	June 12, 1930	2.78	125
1923	July 2, 1923	2.78	201				
1924	May 9, 1924	2.14	90	1931	May 18, 1931	2.12	61
1925	June 28, 1925	2.78	153	1932	June 25, 1932	3.61	325
	July 18, 1925	2.78	153	1933	June 14, 1933	3.00	195
				1934	May 13, 1934	2.32	71
1926	May 19, 1926	2.90	167	1935	June 5, 1935	3.07	228
1927	June 16, 1927	3.93	295				
1928	May 28, 1928	3.30	186	1936	July 21, 1936	3.58	350
1929	June 29, 1929	2.68	127	1937	June 21, 1937	3.56	274

Peak stages and discharges of Pine Creek at division box, near Bishop, Calif.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1938	June 25, 1938	4.43	329	1951	June 18, 1951	4.42	255
1939	May 29, 1939	3.33	169	1952	June 6, 1952	4.75	288
1940	June 17, 1940	4.50	268	1953	July 17, 1953	4.55	269
				1954	Dec. 20, 1953	4.03	222
1941	July 8, 1941	5.33	345	1955	June 10, 1955	-	303
1942	July 4, 1942	4.84	297				
1943	May 27, 1943	4.68	281	1956	June 30, 1956	5.54	339
1944	July 1, 1944	3.83	204	1957	June 4, 1957	5.19	356
1945	June 20, 1945	5.17	330	1958	June 23, 1958	5.16	317
				1959	June 6, 1959	-	144
1946	July 24, 1946	4.51	265	1960	June 4, 1960	-	147
1947	May 22, 1947	4.21	238				
1948	June 22, 1948	3.62	187	1961	June 8, 1961	-	117
1949	June 10, 1949	4.70	283	1962	June 23, 1962	-	298
1950	May 31, 1950	3.98	217	1963	June 20, 1963	-	343

2675. Pine Creek near Round Valley, Calif.

Location.--Lat 37°26'10", long 118°34'10", in SE¼ sec.9, T.6 S., R.31 E., 600 ft upstream from mouth and 2 miles northwest of town of Round Valley.

Drainage area.--37.0 sq mi.

Gage.--Nonrecording prior to Nov. 11, 1923; recording thereafter, and since 1930, 6-foot Cippoletti weir. Prior to Aug. 23, 1906, at site 450 ft downstream at different datum. Aug. 23, 1906, to May 13, 1908, at site 300 ft downstream at different datum. May 13, 1908, to July 9, 1922, at site 20 ft upstream at same datum. Altitude of gage is 4,450 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 92 cfs prior to Aug. 23, 1906; below 210 cfs for period Aug. 23, 1906, to May 13, 1908; and below 250 cfs thereafter.

Bankfull stage.--Not subject to overflow.

Remarks.--Diversions for irrigation above station. Records for 1930-40 furnished by city of Los Angeles, Department of Water and Power. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1904	June 3, 1904	-	a213	1919	May 28, 1919	-	211
1905	June 15-16, 1905	-	a119	1920	June 9, 1920	-	a110
1907	June 30, 1907	-	a262	1921	June 12, 1921	-	287
1908	July 13, 14, 16, 1908	-	a104	1922	June 28, 1922	-	b300
				1923	June 11, July 2, 1923	-	a85
1909	July 3, 1909	-	a318				
1910	June 4, 1910	-	a277	1931	Jan. 31, 1931	-	a6.5
1911	June 22, 1911	-	a370	1932	June 26, 1932	-	a264
1912	June 1, 1912	-	a118	1933	June 16, 1933	-	a96
1913	July 22, 1913	-	a193	1934	May 17, 1934	-	a40
1914	Jan. 25, 1914	-	a251	1935	June 12, 1935	-	146
1915	June 27, 30, July 1, 1915	-	a140				
				1936	July 22, 1936	-	300
				1937	June 21, 1937	-	293
1916	June 19, 1916	-	a244	1938	June 27, 1938	4.00	442
1917	June 16, 1917	-	a283	1939	May 30, 1939	-	114
1918	June 21, 22, 1918	-	a220	1940	June 13, 1940	-	223

a Maximum daily.
b About.

2680. Owens River at Pleasant Valley, near Bishop, Calif.

Location.--Lat 37°25'00", long 118°31'40", in NW¼ sec.24, T.6 S., R.31 E., 1,000 ft upstream from Owens River canal intake, 2.2 miles downstream from Rock Creek, and 8 miles northwest of Bishop.

Drainage area.--596 sq mi.

Gage.--Recording. Altitude of gage is 4,350 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,200 cfs.

Bankfull stage.--Not subject to overflow.

Remarks.--Diversions for irrigation above station. Records furnished by city of Los Angeles, Department of Water and Power. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1919	May 30, 1919	-	a980	1930	July 19, 1930	-	a364
1920	June 9, 1920	-	a605	1931	Jan. 31, 1931	-	a202
1921	June 13, 1921	-	1,100	1932	July 3, 1932	-	a972
1922	June 28, 1922	-	a1,120	1933	June 16, 1933	-	a618
1923	July 4, 1923	-	a514	1934	Dec. 12, 1933	-	420
1924	Nov. 10, 1923	-	a297	1935	June 12, 1935	-	755
1925	July 2, 1925	-	a588	1936	June 26, 1936	-	780
1926	June 9, 1926	-	a630	1937	June 22, 1937	-	1,010
1927	June17,18, 1927	-	a916	1938	Dec. 11, 1937	8.12	1,780
1928	May 29, 1928	-	a613	1939	Oct. 15, 1938	-	366
1929	July 2, 1929	-	a307	1940	June 17, 1940	-	780

a Maximum daily.

2687. Silver Canyon Creek near Laws, Calif.

Location.--Lat 37°24'15", long 118°18'30", in NW¼ sec.25, T.6 S., R.33 E., on right bank at mouth of canyon, 2.0 miles east of Laws.

Drainage area.--22.4 sq mi.

Gage.--Nonrecording and 2-foot Cippoletti weir prior to Feb. 24, 1943, at site 1½ miles downstream at different datum; recording and 1-foot Parshall flume thereafter. Altitude of gage is 4,600 ft (from topographic map).

Stage-discharge relation.--Discharge is determined from a standard rating for 1-foot Parshall flume.

Remarks.--Records furnished by city of Los Angeles, Department of Water and Power. Only annual peaks are shown (maximum daily prior to 1944).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1930	Apr. 14, 1930	-	0.84	1946	Oct. 6, 1945	-	3.88
				1947	Feb. 10, 1947	-	3.24
1931	(a)	-	.79	1948	(a)	-	2.63
1932	Aug. 30, 1932	-	1.05	1949	(a)	-	2.13
1933	Apr. 10, 1933	-	1.58	1950	Nov. 10, 1949	-	2.53
1934	Dec. 13, 1933	-	1.22				
1935	(a)	-	.94	1951	July 18, 1951	-	2.7
				1952	July 26, 1952	-	4.4
1936	Feb. 24, 1936	-	1.05	1953	May 15, 1953	-	3.6
1937	Feb. 8, 1937	-	1.39	1954	Feb. 13, 1954	-	2.9
1938	June 20, 1938	-	2.60	1955	Aug. 4, 1955	-	5.1
1939	Oct. 6, 1938	-	2.45				
1940	Nov. 2, 1939	-	1.97	1956	July 30, 1956	-	3.5
	Apr. 1, 1940			1957	(a)	-	2.0
				1958	(a)	-	2.7
1941	June 27, 1941	-	2.52	1959	Oct. 19, 1958	-	8.4
1942	(a)	-	1.83	1960	Feb. 1, 1960	-	2.2
1943	Feb. 24, 26, Mar. 4, 1943	-	2.08	1961	Nov. 5, 1960	-	2.2
1944	(a)	-	2.33	1962	Feb. 9, 1962	-	2.6
1945	(a)	-	1.84	1963	Aug. 7, 1963	-	4.4

a On two or more days.

Note.--Maximum daily mean discharges are shown prior to 1944.

2720. Bishop Creek near Bishop, Calif.

Location.--Lat 37°21'00", long 118°27'40", in SE¼ sec.9, T.7 S., R.32 E., at highway bridge, 4 miles west of Bishop.

Drainage area.--105 sq mi.

Gage.--Nonrecording. Altitude of gage is 4,450 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 400 cfs.

Remarks.--Only annual maximum observed discharges are shown.

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1904	June 16-19, 1904	4.1	479	1907	June 1907	-	a450
1905	June 16-22, 1905	3.8	391	1908	Aug. 4, 1908	3.7	370
				1909	June 26, 1909	4.4	713
1906	July 6, 1906	5.6	822	1910	July 22, 1910	4.0	477

a About.

2760. Big Pine Creek near Big Pine, Calif.

Location.--Lat 37°08'40", long 118°18'55", in NW¼ sec.25, T.9 S., R.33 E., on left bank 0.3 mile downstream from Little Pine Creek, 0.5 mile downstream from powerhouse No. 3, and 2.2 miles southwest of Big Pine.

Drainage area.--39.0 sq mi. Mean altitude, 9,660 ft.

Gage.--Nonrecording prior to January 1923; recording and Parshall flume thereafter. Altitude of gage is 4,550 ft (from topographic map).

Stage-discharge relation.--Unknown.

Remarks.--Records since Mar. 19, 1920, furnished by city of Los Angeles. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1908	July 15, 1908	4.10	a166	1940	June 15, 1940	-	184
	Aug. 10, 1908	4.10	a166				
1909	June 17-19, 1909	4.7	a258	1941	July 24, 1941	-	284
1910	July 19, 1910	4.8	a252	1942	July 5, 1942	-	264
				1943	July 6, 1943	-	129
1920	June 22, 1920	3.92	a127	1944	June 30, 1944	-	109
				1945	Aug. 2, 1945	-	247
1921	July 21, 1921	4.00	a152				
1922	July 6, 1922	4.94	246	1946	July 4, 1946	-	185
1923	Aug. 12, 1923	4.12	125	1947	June 20, 1947	-	122
1924	July 4, 1924	3.67	98	1948	June 26, 1948	-	111
1925	July 19, 1925	4.39	190	1949	June 12, 1949	-	212
				1950	June 3, 1950	-	151
1926	May 20, 1926	3.92	113				
1927	June 26, 1927	4.58	257	1951	June 17, 1951	-	170
1928	June 3, 1928	3.78	153	1952	July 31, 1952	-	252
1929	July 1, 1929	4.90	184	1953	July 17, 1953	-	295
1930	July 17, 1930	-	125	1954	June 24, 1954	-	190
				1955	Aug. 5, 1955	-	299
1931	July 9, 1931	-	120				
1932	July 3, 1932	-	458	1956	July 22, 1956	-	266
1933	July 14, 1933	-	191	1957	June 27, 1957	-	214
1934	Aug. 1, 1934	-	113	1958	June 24, 1958	-	228
1935	July 17, 1935	-	266	1959	June 16, 1959	-	121
				1960	July 26, 1960	-	95
1936	July 22, 1936	-	188				
1937	July 6, 1937	-	291	1961	Aug. 22, 1961	-	116
1938	July 25, 1938	-	298	1962	July 8, 1962	-	206
1939	July 30, 1939	-	209	1963	June 21, 1963	-	211

a Maximum observed.

2775. Owens River near Big Pine, Calif.
(Published as "near Tinemaha" prior to 1912)

Location.--Lat 37°00'55", long 118°13'30", in SE¼ sec.2, T.11 S., R.34 E., on left bank 0.1 mile downstream from Little Seeley Spring, 0.15 mile downstream from Charlies Butte, and 10.8 miles southeast of Big Pine.

Drainage area.--1,930 sq mi, approximately.

Gage.--Nonrecording prior to Oct. 8, 1922; recording thereafter and rock artificial control since October 1958. Altitude of gage is 3,800 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,700 cfs.

Bankfull stage.--8 ft.

Remarks.--Diversions from both main stream and tributaries. Flow regulated by Sabrina Reservoir and South Lake since 1911 (combined capacity, 20,900 acre-ft); Tinemaha Reservoir since 1929 (capacity, 16,000 acre-ft); Lake Crowley since 1941 (capacity, 183,500 acre-ft); and Pleasant Valley Reservoir since 1955 (capacity, 3,900 acre-ft). Water imported from Mono Lake basin since 1941 for diversion to Los Angeles aqueduct which diverts 4 miles downstream. Records furnished by city of Los Angeles, Department of Water and Power. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1906	July 29, 1906	-	a2,610	1936	June 3, 1936	4.08	579
1907	July 8, 1907	7.35	a1,710	1937	Feb. 18, 1937	6.26	970
1908	Feb. 5, 1908	3.55	a744	1938	July 4, 1938	7.75	1,320
1909	July 6, 1909	6.9	a1,680	1939	Oct. 19, 1938	4.97	768
1910	Jan. 3, 1910	5.75	a1,320	1940	Nov. 9, 1939	4.60	713
1911	July 20, 1911	7.85	a2,000	1941	Oct. 2, 1940	-	a640
1912	Jan. 16, 1912	3.1	a517	1942	Apr. 2, 1942	-	a716
1913	Feb. 28, 1913	3.2	a540	1943	Nov. 5, 1942	-	a696
1914	Jan. 26, 1914	11.2	b3,220	1944	Jan. 4, 1944	-	a621
1915	July 7, 1915	4.2	a805	1945	Aug. 19, 1945	-	a671
1916	Jan. 10, 1916	7.0	a1,700	1946	July 30, 1946	-	a732
1917	Feb. 26, 1917	4.75	a980	1947	Aug. 17, 1947	-	a789
1918	June 23, 1918	6.25	a1,250	1948	Apr. 27, 1948	-	a642
1919	May 31, 1919	4.8	a980	1949	Sept. 1, 1949	-	a646
1920	Dec. 12, 1919	3.35	a524	1950	Oct. 13, 1949	-	a651
1921	June 13, 1921	3.45	a524	1951	July 13, 1951	-	634
1922	Dec. 22, 1921	6.50	a1,220	1952	Mar. 27, 1952	-	663
1923	Dec. 14, 1922	4.10	651	1953	Dec. 31, 1952	-	676
1924	Feb. 10, 1924	3.30	454	1954	Sept. 8, 1954	-	610
1925	July 4, 1925	-	a456	1955	Oct. 10, 1954	-	687
1926	June 11, 1926	-	a521	1956	Aug. 16, 1956	-	726
1927	Nov. 28, 1926	-	a1,150	1957	Oct. 23, 1956	-	662
1928	Nov. 12, 1927	-	a516	1958	Jan. 11, 1958	-	676
1929	Mar. 7, 1929	-	a388	1959	Nov. 18, 1958	-	669
1930	Feb. 24, 1930	-	a478	1960	Oct. 25, 1959	-	668
1931	Mar. 27, 1931	-	a506	1961	Aug. 25, 1961	-	590
1932	July 12, 1932	-	a721	1962	Oct. 17, 1961	-	636
1933	June 24, 1933	4.41	555	1963	July 21, 1963	6.31	784
1934	Dec. 7, 1933	4.08	650				
1935	Nov. 27, 1934	4.10	592				

a Maximum daily.
b About.

2780. Taboose Creek near Aberdeen, Calif.

Location.--Lat 36°59'55", long 118°15'20", in NE¼NE¼ sec.16, T.11 S., R.34 E., 1.4 miles north of Aberdeen and 2.5 miles northwest of Aberdeen railway station.

Drainage area.--13.9 sq mi.

Gage.--Nonrecording. Prior to Feb. 25, 1907, at site about 2 miles downstream at different datum. Feb. 25, 1907, to Dec. 31, 1909, at datum 1.0 ft higher. Altitude of gage is 3,950 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 56 cfs prior to Feb. 25, 1907; below 32 cfs thereafter. Subject to changes owing to unstable channel conditions.

Remarks.--Only annual maximum observed discharges are shown.

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1906	July 14, 1906	-	56	1909	July 2, 1909	-	39
1907	July 5, 1907	0.9	28	1910	May 30, 1910	1.4	15
1908	July 12-15, 1908	.7	14				

2785. Goodale Creek near Aberdeen, Calif.

Location.--Lat 36°59'10", long 118°15'50", in NE¼NW¼ sec.21, T.11 S., R.34 E., 0.8 mile northwest of Aberdeen and 3 miles west of Aberdeen railway section.

Drainage area.--11.2 sq mi.

Gage.--Nonrecording. Prior to Mar. 7, 1910, at datum 1.00 ft higher. Altitude of gage is 3,950 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual maximum observed discharges are shown.

Maximum observed discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1906	July 7, 1906	-	27	1909	July 2, 1909	-	27
1907	July 11, 1907	-	18	1910	May 31, 1910	-	13.5
1908	July 5, Aug. 7, 1908	-	8.3				

Note.--Maximum observed discharge usually occurs on several days; only first day of occurence is shown.

2815. Oak Creek near Independence, Calif.

Location.--Lat 36°50'00", long 118°14'35", in SE¼ sec.2, T.13 S., R.34 E., three-quarters of a mile west of Bell's flour mill and 3.2 miles northwest of Independence.

Drainage area.--26.9 sq mi.

Gage.--Nonrecording. Prior to Apr. 19, 1907, at two sites within a mile downstream at different datums. Altitude of gage is 4,250 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 36 cfs prior to Apr. 19, 1907; below 95 cfs thereafter.

Remarks.--Only annual maximum observed discharges are shown.

Maximum observed stages and discharges of Oak Creek near Independence, Calif.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1906	July 7, 1906	-	162	1909	July 3, 1909	1.7	234
1907	July 4, 1907	1.0	88	1910	July 18, 1910	1.15	74
1908	July 4-12, 1908	.65	32				

2818. Independence Creek below Pinyon Creek, near Independence, Calif.

Location.--Lat 36°46'45", long 118°15'45", in NE¼ sec.27, T.13 S., R.34 E., on right bank 0.2 mile downstream from Pinyon Creek and 4.0 miles southwest of Independence.

Drainage area.--18.2 sq mi.

Gage.--Recording. Sept. 12, 1934, to Dec. 13, 1936, Cippoletti weir (removed during high water); 4-foot Parshall flume thereafter. Altitude of gage is 5,300 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 81 cfs.

Remarks.--Records furnished by city of Los Angeles, Department of Water and Power. Only annual peaks are shown (maximum daily prior to 1952).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1923	July 3, 1923	-	36	1943	May 28, 1943	-	86
1924	May 19, 1924	-	14	1944	June 8, 1944	-	62
1925	June 28, 1925	-	52	1945	June 21, 1945	-	77
1926	May 21, 1926	-	43	1946	June 5, 1946	-	41
1927	June 19, 1927	-	100	1947	May 23, 1947	-	50
1928	June 5, 1928	-	63	1948	June 28, 1948	-	38
1929	June 30, 1929	-	30	1949	June 15, 1949	-	54
1930	June 15, 1930	-	65	1950	June 2, 1950	-	45
1931	June 5,16, 1931	-	14	1951	June 18, 1951	-	58
1932	June 25, 1932	-	90	1952	May 29, 1952	-	102
1933	June 16, 1933	-	56	1953	July 9, 1953	-	42
1934	May 15-17, 21-27, 1934	-	11	1954	May 22, 1954	-	65
				1955	June 10, 1955	-	57
1935	June 13, 1935	-	57				
				1956	June 30, 1956	-	99
1936	June 23, 1936	-	74	1957	June 8, 1957	-	94
1937	June 22, 1937	-	80	1958	June 24, 1958	-	97
1938	June 3, 1938	-	95	1959	June 24, 1959	-	21
1939	May 31, 1939	-	55	1960	June 18, 1960	-	19
1940	June 15, 1940	-	78				
				1961	June 19, 1961	-	17
1941	June 16, 1941	-	106	1962	June 23, 1962	-	76
1942	June 18, 1942	-	70	1963	June 21, 1963	3.98	138

Note.--Maximum daily mean discharges are shown prior to 1952.

2820. Independence Creek near Independence, Calif.
(Published in annual Water Supply Papers as "Little Pine Creek")

Location.--Lat 36°47'35", long 118°12'45", in SE¼NW¼ sec.19, T.13 S., R.35 E., 1.0 mile southwest of Independence.

Drainage area.--21.4 sq mi.

Gage.--Nonrecording. Prior to Aug. 20, 1906, at site 300 ft downstream at different datum. Altitude of gage is 4,150 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 144 cfs prior to Aug. 20, 1906; below 130 cfs thereafter.

Remarks.--Only annual maximum observed discharges are shown.

Maximum observed discharges of Independence Creek near Independence, Calif.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1905	June 15, 1905	1.10	a47	1908	July 2-6, 1908	-	35
				1909	June25-27,1909	-	140
1906	July 9, 1906	-	144	1910	July 18, 1910	-	71
1907	July 5, 1907	-	137				

a Maximum observed during period June 15 to Sept. 31, 1905.

2845. Owens River near Lone Pine, Calif.

Location.--Lat 36°37'10", long 118°02'05", in NW¼ sec.23, T.15 S., R.36 E., at Mount Whitney Highway bridge and 2 miles northeast of Lone Pine.

Gage.--Nonrecording. Prior to February 1914, at datum 1.83 ft lower. Altitude of gage is 3,650 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 2,000 cfs.

Remarks.--Many diversions above station. Only annual maximum observed discharges are shown.

Maximum observed discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1909	July 7, 1909	10.6	2,050	1914	Jan. 28, 1914	11.8	1,920
1910	Jan. 5, 1910	10.2	1,770	1915	Feb. 3, 1915	6.1	729
1911	July 22, 1911	-	1,660	1916	Feb. 25, 1916	-	1,400
1912	Jan.17-20,1912	6.6	564	1917	Feb. 27, 1917	7.0	906
1913	Jan. 28, 1913	6.7	560	1918	June 25, 1918	6.65	810

2850. Lone Pine Creek near Lone Pine, Calif.

Location.--Lat 36°36'10", long 118°04'40", in SE¼ sec.29, T.15 S., R.36 E., about 1,000 ft upstream from division box and 1 mile west of Lone Pine.

Drainage area.--33.4 sq mi.

Gage.--Nonrecording. Altitude of gage is 5,850 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 139 cfs.

Remarks.--Only annual maximum observed discharges are shown.

Maximum observed discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1906	July 25, 1906	-	139	1909	June 29, 1909	-	118
1907	July 4-7, 1907	-	80	1910	May 30, 1910	3.1	47
1908	Aug. 3-6, 1908	-	110				

2855. Tuttle Creek near Lone Pine, Calif.

Location.--Lat 36°35'00", long 118°04'40", in NE¼SE¼ sec.32, T.15 S., R.36 E., 50 ft upstream from division box and about 1.8 miles south of Lone Pine.

Drainage area.--14.0 sq mi.

Gage.--Nonrecording. Altitude of gage is 3,900 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 85 cfs.

Remarks.--Only annual maximum observed discharges are shown.

Maximum observed discharges of Tuttle Creek near Lone Pine, Calif.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1906	July 25, 1906	-	67	1909	July 1, 1909	-	36
1907	May 21, 1907	1.10	85	1910	Dec. 7-11, 1909	-	22
1908	Aug. 7, 1908	1.32	21				

2857. Owens River at Keeler Bridge, near Lone Pine, Calif.

Location.--Lat 36°34'30", long 118°00'45", in NW¼ sec.1, T.16 S., R.36 E., on left bank under old timber bridge, 0.5 mile upstream from bridge on State Highway 190 and 3.4 miles southeast of Lone Pine.

Gage.--Nonrecording prior to Feb. 15, 1935, and 3-foot Cippoletti weir Oct. 20, 1930, to Feb. 14, 1935, at present site at different datums; recording and 10-foot Cippoletti weir thereafter. Altitude of gage is 3,600 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Natural flow affected by storage in several reservoirs, many natural lakes, diversions for irrigation, and return flow from irrigated areas. Records furnished by city of Los Angeles, Department of Water and Power. Only annual peaks are shown (maximum daily prior to 1951).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1927	July 20, 1927	-	218	1946	Oct. 13, 1945	-	82
1928	Mar. 17, 1928	-	250	1947	Dec. 27, 1946	-	30
1929	Dec. 14, 1928	-	9.5	1948	Jan.22-25,1948	-	10
1930	June 11, 1930	-	174		Feb.5-11, 1948		
1931	Feb. 6, 1931	-	5.7	1949	Jan. 7, 1949	-	75
1932	Feb. 20, 1932	-	7.5	1950	Apr. 15, 1950	-	14
1933	Dec. 23, 1932	-	8.8	1951	July 2, 1951	-	36
1934	Mar. 30, 1934	-	8.3	1952	Aug. 1, 1952	-	43
1935	Apr. 7, 1935	-	231	1953	Nov. 29, 1952	-	59
				1954	Apr. 10, 1954	-	18
1936	Feb. 26, 1936	-	154	1955	Apr. 9, 1955	-	32
1937	Feb. 21, 1937	-	610				
1938	July 9, 1938	7.06	1,200	1956	Dec. 26, 1955	-	28
1939	Oct. 22, 1938	-	587	1957	Mar. 25, 1957	-	28
1940	Oct. 14, 1939	-	33	1958	Apr. 18, 1958	-	125
				1959	Feb. 13, 1959	-	63
1941	Aug. 17, 1941	-	43	1960	Mar. 11, 1960	-	19
1942	Dec. 16, 1941	-	36				
1943	Jan. 24, 1943	-	224	1961	Mar. 18, 1961	-	14
1944	Mar. 2, 1944	-	45	1962	Mar. 2, 1962	-	53
1945	Aug. 7, 1945	-	35	1963	Feb. 2, 1963	-	24

Note.--Maximum daily mean discharges are shown prior to 1951.

2860. Cottonwood Creek near Olancha, Calif.

Location.--Lat 36°26'20", long 118°04'40", in Ingo National Forest, just downstream from intake to Cottonwood powerhouse, 11.2 miles north of Olancha.

Drainage area.--39.9 sq mi. Mean altitude, 9,960 ft.

Gage.--Nonrecording prior to Mar. 7, 1921; recording thereafter. Parshall flume since October 1938. Prior to Sept. 9, 1908, at site about 2 miles downstream at different datum. Sept. 9, 1908, to Mar. 31, 1911, and Jan. 1, 1914, to Oct. 31, 1938, at site just upstream from intake to Cottonwood powerhouse at different datum.

Stage-discharge relation.--Unknown.

Remarks.--Records since June 1, 1914, furnished by city of Los Angeles. Only annual peaks are shown.

Peak stages and discharges of Cottonwood Creek near Olancha, Calif.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1906	June 13, 1906	-	a434	1936	May 4, 1936	3.20	138
1907	June 4, 1907	2.30	a157	1937	May 15, 1937	4.43	280
1908	June 2, 1908	-	b108	1938	May 26, 1938	4.18	210
1909	June 3, 1909	-	b366	1939	Apr. 21, 1939	-	102
1910	Sept. 15, 1910	-	b121	1940	May 9, 1940	-	122
1914	June 1, 1914	-	b275	1941	June 5, 1941	-	321
1915	June 1, 1915	-	b235	1942	May 24, 1942	-	169
1916	May 6, 12, 17, 18, 1916	-	b221	1943	May 6, 1943	-	180
1917	June 21, 1917	-	b136	1944	May 23, 1944	-	143
1918	June 21, 1918	-	b237	1945	May 16, 1945	-	180
1919	May 28, 1919	-	b135	1946	May 4, 1946	-	162
1920	May 20, 1920	-	b156	1947	May 5, 1947	-	129
1921	May 26, 1921	3.49	110	1948	Apr. 27, 1948	-	84
1922	May 6, 1922	4.41	303	1949	Apr. 24, 1949	-	114
1923	May 12, 1923	3.34	141	1950	Apr. 26, 1950	-	81
1924	Apr. 18, 1924	3.86	100	1951	May 19, 1951	-	43
1925	May 6, 1925	2.68	52	1952	May 30, 1952	-	270
1926	May 4, 1926	2.38	98	1953	May 19, 1953	-	70
1927	May 16, 1927	3.63	186	1954	May 8, 1954	-	123
1928	May 10, 1928	2.13	51	1955	May 18, 1955	-	39
1929	May 3, 1929	2.08	47	1956	May 23, 1956	-	138
1930	May 24, 1930	2.38	84	1957	June 5, 1957	-	150
1931	Apr. 9, 1931	1.78	21	1958	May 22, 1958	-	274
1932	May 20, 1932	3.68	259	1959	Apr. 13, 1959	-	c15
1933	June 6, 1933	2.43	70	1960	Apr. 5, 1960	-	25
1934	Apr. 20, 1934	2.23	44	1961	Apr. 3, 1961	-	14
1935	May 21, 1935	2.77	83	1962	May 7, 1962	-	179
				1963	June 20, 1963	-	161

a Maximum observed.
b Maximum daily discharge at site below Cottonwood powerhouse intake.
c Does not include diversion to powerhouse.

MONO LAKE BASIN

2874. Rush Creek above Grant Lake, near June Lake, Calif.

Location.--Lat 37°48'20", long 119°06'30", in NE¼ sec.4, T.2 S., R.26 E., on left bank in narrows, 0.6 mile upstream from Grant Lake and 2.7 miles northwest of town of June Lake.

Drainage area.--51.2 sq mi.

Gage.--Recording and 15-foot Parshall flume. Altitude of gage is 7,200 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Gem Lake, Lake Agnew, and Waugh Lake (combined capacity, 23,400 acre-ft), and by many natural lakes. Records furnished by city of Los Angeles, Department of Water and Power. Only annual peaks are shown (maximum daily prior to 1951).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1937	May 29, 1937	-	200	1951	Nov. 19, 1950	-	219
1938	June 28, 1938	-	711	1952	July 8, 1952	-	457
1939	Apr. 23, 1939	-	134				
1940	May 24, 1940	-	185	1954	May 21, 1954	-	201
				1955	June 10, 1955	-	260
1941	July 8, 1941	-	485				
1942	July 17, 1942	-	265	1956	July 9, 1956	-	394
1943	May 27, 1943	-	233	1957	June 5, 1957	-	227
1944	June 8, 1944	-	194	1958	July 8, 1958	-	455
1945	July 1, 1945	-	344	1959	June 6, 1959	-	126
				1960	May 31, 1960	-	148
1946	June 6, 1946	-	207				
1947	Nov. 23, 1946	-	136	1961	June 12, 1961	-	128
1948	June 26, 1948	-	366	1962	June 23, 1962	-	250
1949	June 11, 1949	-	206	1963	June 20, 1963	-	307
1950	June 1, 2, 1950	-	185				

Note.--Maximum daily mean discharges are shown prior to 1951.

2879. Lee Vining Creek near Lee Vining, Calif.

Location.--Lat 37°55'45", long 119°10'10", in SW¼ sec.24, T.1 N., R.25 E., on right bank 0.8 mile upstream from Gibbs Canyon and 3.3 miles southwest of Lee Vining.

Drainage area.--35.2 sq mi.

Gage.--Nonrecording prior to Aug. 6, 1944; recording thereafter. At different datum prior to Oct. 17, 1955; concrete control at present datum thereafter. Altitude of gage is 7,400 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Ellery, Saddlebag, and Tioga Lakes, and several small natural lakes. Records furnished by city of Los Angeles, Department of Water and Power. Only annual peaks are shown (maximum daily prior to 1951).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1935	June 7, 1935	-	391	1950	June 2,6, 1950	-	237
1936	June 22, 1936	-	310	1951	June 17, 1951	-	385
1937	June 7, 1937	-	304	1952	June 8, 1952	-	400
1938	June 9, 1938	-	503	1953	June 19, 1953	-	391
1939	May 31, 1939	-	157	1954	May 20, 1954	-	254
1940	June 13-17, 1940	-	294	1955	June 8, 1955	-	278
1941	June 16, 1941	-	389	1956	June 29, 1956	-	391
1942	June 19, 1942	-	345	1957	June 5, 1957	-	378
1943	June 1, 1943	-	501	1958	June 24, 1958	-	335
1944	June 30, 1944	-	152	1959	May 12,13, 1959	-	165
1945	June 30, 1945	-	293	1960	June 2, 1960	-	216
1946	May 20, 1946	-	221	1961	June 8,11,1961	-	157
1947	May 24, 1947	-	223	1962	June 23, 1962	-	265
1948	June 26, 1948	-	237	1963	June 18, 1963	3.89	424
1949	June 13, 1949	-	167				

Note.--Maximum daily mean discharges are shown prior to 1951.

WALKER LAKE BASIN

2890. Virginia Creek near Bridgeport, Calif.

Location.--Lat 38°11'30", long 119°12'30", near center of W½ sec.22, T.4 N., R.25 E., on right bank 1¼ miles downstream from Clearwater Creek, 3 miles upstream from mouth, and 4½ miles southeast of Bridgeport.

Drainage area.--64 sq mi, approximately. Mean altitude, 8,390 ft.

Gage.--Recording. Altitude of gage is 6,700 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 170 cfs and by slope-area measurements at 1,300 cfs.

Remarks.--Diversions for irrigation of about 3,000 acres above station. Base for partial-duration series, 50 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1954	Mar. 9, 1954	3.07	67	1956	June 14, 1956	3.50	94
	Apr. 14, 1954	3.13	74		June 29, 1956	3.48	94
					July 22, 1956	3.78	134
1955	June 9, 1955	2.76	45		July 24, 1956	3.49	96
1956	Dec. 23, 1955	8.40	1,300	1957	June 4, 1957	3.06	54
	Mar. 24, 1956	3.54	74				
	Apr. 18, 1956	3.84	143	1958	Apr. 20, 1958	5.61	375
	May 4, 1956	3.43	70		May 5, 1958	5.43	287
	May 19, 1956	3.70	105		May 18, 1958	4.30	87
	May 24, 1956	3.65	98		June 13, 1958	4.08	61

Peak stages and discharges of Virginia Creek near Bridgeport, Calif.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1958	June 18, 1958	4.12	61	1962	Apr. 8, 1962	4.34	94
	July 23, 1958	4.08	61		June 15, 1962	3.16	54
	Aug. 16, 1958	5.59	328	1963	Feb. 1, 1963	6.13	652
1959	Apr. 4, 1959	4.30	76		Apr. 6, 1963	3.48	54
					May 27, 1963	3.52	58
1960	Mar. 25, 1960	3.90	39		May 31, 1963	4.52	199
					June 11, 1963	3.66	74
1961	Jan. 5, 1961	a3.74	-		June 19, 1963	3.88	99
	Aug. 21, 1961	3.67	26				

a Backwater from ice.

2895. Green Creek near Bridgeport, Calif.

Location.--Lat 38°10'25", long 119°14'00", in NE¼SE¼ sec.29, T.4 N., R.25 E., on right bank 130 ft downstream from county road bridge and 5½ miles south of Bridgeport.

Drainage area.--19.4 sq mi.

Gage.--Recording. Altitude of gage is 6,850 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 220 cfs and extended above on basis of slope-area measurement at 307 cfs.

Remarks.--Flow regulated by West, Green, East, Summit, and other lakes. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1954	May 20, 1954	2.62	135	1959	June 14, 1959	2.42	73
1955	June 10, 1955	2.90	237	1960	June 5, 1960	2.64	109
1956	Dec. 23, 1955	-	307	1961	June 8, 1961	2.50	80
1957	June 3, 1957	2.78	184	1962	June 22, 1962	2.87	163
1958	June 24, 1958	3.13	233	1963	Feb. 1, 1963	3.03	199

2900. Summers Creek near Bridgeport, Calif.

Location.--Lat 38°09'15", long 119°15'30", in NW¼NE¼ sec.6, T.3 N., R.25 E., 7½ miles southwest of Bridgeport.

Drainage area.--12.6 sq mi. Mean altitude, 9,210 ft.

Gage.--Recording. Altitude of gage is 7,100 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 58 cfs and by slope-area measurements at 690 cfs.

Remarks.--Base for partial-duration series, 20 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1954	Mar. 9, 1954	2.83	42	1957	May 21, June 7, 1957	2.85	26
	Apr. 13, 1954	2.34	22		June 26, 1957	2.76	20
1955	Nov. 15, 1954	2.20	16	1958	Feb. 24, 1958	2.80	20
1956	Dec. 23, 1955	5.95	690		Apr. 20, 1958	2.91	27
	Apr. 18, 1956	2.61	28		May 6, 1958	3.38	70
	May 4, 1956	-	30		June 24, 1958	2.97	29
	May 19, 1956	-	30		July 8, 1958	2.92	25
	June 14, 1956	2.59	25		July 22, 1958	2.89	20
	June 25, 1956	2.71	39		Aug. 14, 1958	2.91	21
	July 26, 1956	2.68	33	1959	Apr. 1, 1959	2.82	18
1957	May 18, 1957	2.75	20				

2905. Robinson Creek at Twin Lakes Outlet, near Bridgeport, Calif.

Location.--Lat 38°10'20", long 119°19'25", in SE¼SE¼ sec.28, T.4 N., R.23 E., on left bank a quarter of a mile downstream from Twin Lakes and 8 miles southwest of Bridgeport.

Drainage area.--34.7 sq mi.

Gage.--Recording. Altitude of gage is 7,050 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 400 cfs.

Bankfull stage.--Not subject to overflow.

Historical data.--Maximum discharge known, that of June 21, 1911.

Remarks.--Flow regulated by Twin Lakes. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1911	June 21, 1911	a5.2	a660	1958	June 25, 1958	4.22	383
				1959	June 15, 1959	2.96	136
1954	May 21, 1954	3.56	225	1960	June 16, 1960	3.00	141
1955	June 14, 1955	3.45	216				
				1961	June 21, 1961	3.12	157
1956	June 29, 1956	4.35	445	1962	June 23, 1962	3.90	307
1957	June 7, 1957	3.71	270	1963	June 20, 1963	4.49	492

a At site 2½ miles downstream.

2915. Buckeye Creek near Bridgeport, Calif.

Location.--Lat 38°14'20", long 119°19'30", in NE¼NE¼ sec.4, T.4 N., R.24 E., on right bank at Buckeye Hot Springs, 0.6 mile downstream from Eagle Creek and 5½ miles southwest of Bridgeport.

Drainage area.--45 sq mi, approximately. Mean altitude, 9,200 ft.

Gage.--Recording. Altitude of gage is 6,900 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 360 cfs and by slope-area measurements at 700 cfs.

Remarks.--Base for partial-duration series, 100 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1954	Mar. 9, 1954	2.50	122	1958	July 6, 1958	3.25	340
	Apr. 25, 1954	2.63	155		July 23, 1958	3.01	242
	May 20, 1954	3.33	404		July 31, 1958	2.82	186
	June 23, 1954	2.77	201		Aug. 8, 1958	2.84	191
	July 15, 1954	2.50	129		Aug. 14, 1958	2.83	188
1955	May 13, 1955	2.49	122	1959	May 1, 1959	2.59	141
	May 23, 1955	2.94	250		May 13, 1959	2.79	188
	May 29, 1955	3.10	305		June 6, 1959	2.88	201
	June 7, 1955	3.43	438		Sept.19, 1959	2.42	101
1956	Dec. 23, 1955	4.00	700	1960	May 12, 1960	2.78	183
	Jan. 16, 1956	2.46	117		June 2, 1960	3.05	261
	Apr. 24, 1956	2.56	135				
	May 4, 1956	2.78	183	1961	May 25, 1961	2.70	169
	June 11, 1956	3.63	510		June 8, 1961	2.69	169
	June 29, 1956	3.79	590		Aug. 22, 1961	3.76	526
	July 22, 1956	3.59	490				
				1962	May 6, 1962	2.98	242
1957	May 6, 1957	2.64	151		June 9, 1962	3.24	336
	May 18, 1957	2.77	181		June 22, 1962	3.37	388
	June 3, 1957	3.43	414				
	June 25, 1957	3.19	316	1963	Feb. 1, 1963	4.41	947
					May 7, 1963	2.41	122
1958	Apr. 21, 1958	2.42	107		May 28, 1963	3.22	336
	May 10, 1958	3.02	255		June 17, 1963	3.79	590
	May 19, 1958	3.32	368		June 27, 1963	3.30	360
	June 23, 1958	3.69	540				

2920. Swager Creek near Bridgeport, Calif.

Location.--Lat 38°17'00", long 119°17'50", in SE¼NW¼ sec.23, T.5 N., R.24 E., on right bank three-quarters of a mile downstream from Yaney Canyon and 4 miles northwest of Bridgeport.

Drainage area.--53 sq mi, approximately. Mean altitude, 8,390 ft.

Gage.--Recording. Altitude of gage is 6,620 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 175 cfs and by slope-area measurements at 585 cfs.

Remarks.--Diversions for irrigation of about 1,000 acres above station. Base for partial-duration series, 25 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1954	Mar. 9, 1954	2.74	77	1958	May 17, 1958	3.47	145
	Apr. 18, 1954	2.62	54		June 13, 1958	2.78	66
					Aug. 14, 1958	5.20	361
1955	Mar. 11, 1955	2.22	24		Aug. 18, 1958	2.39	31
1956	Dec. 23, 1955	6.24	585	1959	Mar. 30, 1959	2.46	35
	Jan. 15, 1956	2.54	34				
	Mar. 24, 1956	2.84	54	1960	Mar. 7, 1960	2.26	20
	Apr. 9, 1956	2.77	49				
	Apr. 24, 1956	3.37	103	1961	Aug. 20, 1961	3.33	114
	May 4, 1956	3.43	106		Aug. 21, 1961	2.51	38
	May 24, 1956	3.38	99				
	July 20, 1956	2.62	30	1962	Apr. 14, 1962	3.63	136
	July 26, 1956	2.75	38		May 16, 1962	2.57	35
					May 27, 1962	2.61	36
1957	Feb. 16, 1957	2.59	29		June 16, 1962	2.55	30
	Apr. 5, 1957	2.62	29				
	May 18, 1957	2.95	51	1963	Feb. 1, 1963	5.57	443
	June 3, 1957	2.72	35		Apr. 5, 1963	2.70	29
					Apr. 30, 1963	2.79	33
1958	Feb. 24, 1958	3.01	54		May 24, 1963	3.30	71
	Apr. 20, 1958	4.70	265		May 31, 1963	3.18	61
	May 4, 1958	3.92	181				

2930. East Walker River near Bridgeport, Calif.

Location.--Lat 38°19'40", long 119°12'50", in SW¼NE¼ sec.34, T.6 N., R.25 E., on right bank 1,500 ft downstream from Bridgeport Reservoir, 5 miles north of Bridgeport, and 10 miles upstream from Sweetwater Creek.

Drainage area.--362 sq mi.

Gage.--Recording prior to Oct. 1, 1931, and since May 25, 1939; nonrecording Oct. 1, 1931, to May 25, 1939. Prior to Feb. 22, 1924, at site 1 mile downstream at different datum. Feb. 22, 1924, to May 25, 1939, at datum 2.34 ft lower. Altitude of gage is 6,400 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Diversion for irrigation of meadow pasture lands near Bridgeport. Flow regulated by Bridgeport Reservoir. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1923	May 22, 1923	-	a714	1932	May 21, 1932	-	a363
1924	July 22, 1924	-	550	1933	Aug. 2, 1933	-	a408
1925	July 25, 1925	-	513	1934	July 29 to Aug. 2, 1934	-	a221
1926	June 27,28,1926	-	a334	1935	Aug. 2, 1935	-	a287
1927	July 1, 1927	-	a491				
1928	July 11, 1928	-	a326	1936	July 1, 1936	-	510
1929	July 12, 1929	-	a255	1937	June 12-15,1937	-	a452
1930	June 17, 1930	-	a304	1938	June 12, 1938	-	a1,220
				1939	Mar.24-28, 1939	1.76	a297
1931	May 21, 1931	-	a169	1940	June 27-30, 1940	-	a289

a Maximum daily.

Peak stages and discharges of East Walker River near Bridgeport, Calif.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1941	July 7, 1941	-	652	1953	July 16, 1953	2.36	475
1942	June 18, 1942	-	674	1954	June 4, 1954	1.91	328
1943	Jan. 22, 1943	4.5	1,240	1955	June 12-21, 1955	1.61	a242
1944	Apr. 8, 1944	-	368				
1945	July 11, 1945	-	856	1956	July 1, 1956	3.77	981
				1957	July 19-21, 1957	2.08	a385
1946	May 5, 1946	-	a325	1958	June 26, 1958	3.51	882
1947	May 7, 1947	-	a279	1959	Oct. 1, 1958	1.69	259
1948	June 19,20, 1948	-	a249	1960	June 7, 1960	1.69	a265
1949	June 9, 1949	-	a297				
1950	July 25, 1950	1.86	282	1961	June 23, 1961	1.43	191
				1962	June 23, 1962	2.52	487
1951	June 24, 1951	3.02	714	1963	June 19, 1963	4.64	1,390
1952	July 31, 1952	3.78	985				

a Maximum daily.

2935. East Walker River above Strosnider ditch, near Mason, Nev.

Location.--Lat 38°48'50", long 119°02'50", in NW¼SW¼ sec.14, T.11 N., R.26 E., on right bank 0.8 mile upstream from head of Strosnider ditch, 12 miles southeast of Mason, and 13½ miles southeast of Yerington.

Drainage area.--1,100 sq mi, approximately.

Gage.--Recording. Prior to Oct. 24, 1957, at site 400 ft upstream at datum 0.56 ft higher. Datum of gage is 4,574.10 ft above mean sea level, datum of 1929.

Stage-discharge relation.--Defined by current-meter measurements below 1,100 cfs and extended above by logarithmic plotting.

Remarks.--Flow regulated by Bridgeport Reservoir. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1947	May 28, 1947	2.30	246	1956	Dec. 24, 1955	6.87	1,640
1948	June 21, 1948	2.08	197	1957	July 21, 1957	2.55	318
1949	June 10, 1949	2.37	239	1958	Aug. 17, 1958	4.96	935
1950	May 31, 1950	2.16	226	1959	July 24, 1959	2.78	372
				1960	June 9, 1960	2.38	179
1951	June 25, 1951	3.40	489				
1952	July 14, 1952	6.21	1,400	1961	Aug. 25, 1961	4.3	750
1953	July 19, 1953	3.07	409	1962	June 26, 1962	4.06	468
1954	June 8, 1954	2.38	259	1963	Feb. 1, 1963	7.60	2,380
1955	July 22, 1955	2.35	243				

2945. East Walker River near Yerington, Nev.
(Published as "Walker River (East Fork) at Ross Ranch" 1902, as "East Fork of Walker River" 1903, and as "Walker River (East Fork)" 1904)

Location.--Lat 38°51', long 119°06', in sec.5, T.11 N., R.26 E., at Ross Ranch, 6 miles upstream from confluence with West Walker River and 10 miles southeast of Yerington.

Drainage area.--1,180 sq mi, approximately.

Gage.--Nonrecording. Altitude of gage is 4,530 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,100 cfs.

Remarks.--Diversions for irrigation above station. Only annual maximum observed discharges are shown.

Maximum observed discharges of East Walker River near Yerington, Nev.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1903	June 12, 1903	-	510	1906	July 8, 1906	-	1,230
1904	June 23, 1904	-	696	1907	Mar. 19, 1907	6.0	1,700
1905	June 21, 1905	-	321	1908	Mar. 19, 1908	-	375

2950. East Walker River near Mason, Nev.

Location.--Lat 38°52'30", long 119°08'30", in sec.26, T.12 N., R.25 E., 50 ft downstream from highway bridge, 2½ miles above confluence with West Walker River, and 8 miles south of Mason.

Drainage area.--1,230 sq mi, approximately.

Gage.--Nonrecording. Prior to July 1, 1914, at site 50 ft downstream at unknown datum. Altitude of gage is 4,480 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,300 cfs.

Remarks.--Only annual maximum observed discharges are shown.

Maximum observed discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1911	June 20, 1911	9.50	1,590	1915	July 5, 1915	-	374
1912	July 20, 1912	-	244				
1913	Aug. 23, 1913	-	a326	1916	Mar. 29, 1916	-	528
1914	Jan. 26, 1914	-	1,470				

a Maximum observed during period July to September.

2952. West Walker River at Leavitt Meadows, near Coleville, Calif.

Location.--Lat 38°19'50", long 119°33'05", in NW¼NW¼ sec.34, T.6 N., R.22 E., on left bank at Leavitt Meadows Lodge, 500 ft upstream from Brownie Creek, 0.9 mile downstream from Leavitt Creek, and 16½ miles south of Coleville.

Drainage area.--73 sq mi, approximately.

Gage.--Recording. Prior to Oct. 1, 1957, 0.2 mile upstream at different datum. Datum of gage is 7,111.32 ft above mean sea level (levels by Bureau of Reclamation).

Stage-discharge relation.--Defined by current-meter measurements at present site; records prior to October 1957 furnished by Sierra Pacific Power Co.

Bankfull stage.--In canyon; not subject to overflow.

Remarks.--Base for partial-duration series, 600 cfs. Only annual peaks are shown prior to 1958.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1946	May 20, 1946	-	936	1958	May 20, 1958	5.52	1,350
1947	May 3, 1947	-	979		June 23, 1958	5.68	1,440
1948	May 26, 1948	-	809		July 6, 1958	4.80	980
1949	June 10, 1949	-	1,071		July 23, 1958	4.26	717
1950	June 1, 1950	-	1,259				
				1959	May 12, 1959	4.32	735
1951	Nov. 20, 1950	-	a2,810		June 5, 1959	4.26	690
1952	June 6, 1952	-	1,675		June 13, 1959	4.12	636
1953	June 18-19, 1953	-	1,320				
1954	May 20, 1954	-	1,120	1960	May 12, 1960	4.48	810
1955	June 10, 1955	-	1,414		June 2, 1960	4.78	970
1956	Dec. 23, 1955	-	1,910	1961	May 25, 1961	4.27	722
1957	June 3, 1957	-	1,440		June 6, 1961	4.12	654
1958	May 10, 1958	4.57	865	1962	Apr. 15, 1962	3.86	600

a Estimated on basis of records for West Walker River below Little Walker River, near Coleville.

Peak stages and discharges of West Walker River at Leavitt Meadows, near Coleville, Calif.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1962	Apr. 23, 1962	3.87	609	1963	Feb. 1, 1963	5.55	1,370
	May 5, 1962	4.05	686		June 2, 1963	4.94	1,060
	June 2, 1962	4.79	985		June 16, 1963	5.70	1,460
	June 11, 1962	4.86	1,060		June 27, 1963	4.15	658
	June 19, 1962	4.93	1,100		July 7, 1963	4.47	805

2955. Little Walker River near Bridgeport, Calif.
(Published as "East Fork West Walker River" prior to October 1958)

Location.--Lat 38°21'30", long 119°26'30", in NW¼NW¼ sec.22, T.6 N., R.23 E., on right bank three-quarters of a mile north of Sonora Junction, 1½ miles upstream from mouth, and 14 miles northwest of Bridgeport.

Drainage area.--63 sq mi, approximately. Mean altitude, 8,780 ft.

Gage.--Recording. Altitude of gate is 6,790 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 270 cfs and by slope-area measurements at 994 cfs and logarithmic plotting.

Remarks.--Base for partial-duration series, 200 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1945	Feb. 2, 1945	2.69	660	1955	June 9, 1955	2.08	350
	May 10, 1945	1.82	241				
	June 4, 1945	1.83	245	1956	Dec. 23, 1955	2.80	994
	June 21, 1945	2.05	336		June 3, 1956	1.96	344
					June 10, 1956	2.06	375
1946	May 20, 1946	1.88	231		June 28, 1956	2.16	420
	June 4, 1946	1.84	214		July 20, 1956	2.23	445
					July 26, 1956	2.00	332
1947	May 22, 1947	1.81	218				
				1957	June 3, 1957	2.02	340
1948	June 25, 1948	1.79	218		June 25, 1957	1.82	270
1949	May 26, 1949	1.85	238	1958	Apr. 20, 1958	1.71	226
	June 10, 1949	1.95	271		May 10, 1958	1.75	242
					May 19, 1958	1.97	315
1950	May 31, 1950	1.96	283		June 23, 1958	2.15	428
	June 20, 1950	1.82	227		July 6, 1958	1.86	277
1951	Nov. 20, 1950	2.23	407	1959	June 5, 1959	1.46	134
	Dec. 3, 1950	2.60	650				
	Dec. 8, 1950	2.35	512	1960	June 3, 1960	1.58	169
	May 27, 1951	2.11	380				
	June 16, 1951	1.88	280	1961	Aug. 22, 1961	1.92	272
1952	May 2, 1952	2.04	350	1962	June 10, 1962	1.81	246
	June 7, 1952	2.31	490		June 21, 1962	1.96	315
	July 27, 1952	2.00	321				
	July 30, 1952	1.93	289	1963	Jan. 31, 1963	3.22	1,510
					May 31, 1963	1.62	252
1953	June 18, 1953	1.92	289		June 19, 1963	2.01	468
	July 6, 1953	1.86	263		June 26, 1963	1.66	256
	July 11, 1953	1.82	246		July 9, 1963	1.63	237
	July 16, 1953	1.71	201				
1954	May 19, 1954	1.88	259				

2960. West Walker River below Little Walker River, near Coleville, Calif.
(Published as "below East Fork" prior to October 1958)

Location.--Lat 38°22'45", long 119°27'00", in NW¼SE¼ sec.9, T.6 N., R.23 E., on left bank 75 ft downstream from Little Walker River, 200 ft upstream from bridge on U.S. Highway 395, and 13 miles southeast of Coleville.

Drainage area.--182 sq mi. Mean altitude, 8,830 ft.

Gage.--Recording. Prior to Oct. 1, 1939, at site 125 ft downstream at datum 1.00 ft higher. Altitude of gage is 6,650 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,900 cfs and by slope-area measurements at 6,220 cfs.

Remarks.--Base for partial-duration series, 1,120 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1938	Dec. 11, 1937	-	5,800	1950	June 1, 1950	5.19	1,960
	May 14, 1938	4.47	2,100		June 20, 1950	4.62	1,430
	May 27, 1938	4.45	2,080				
	June 9, 1938	4.90	2,490	1951	Nov. 20, 1950	8.10	6,220
	June 16, 1938	4.44	2,080		Dec. 3, 1950	5.06	2,140
	June 27, 1938	4.36	2,010		Dec. 8, 1950	5.10	2,180
					May 28, 1951	5.21	2,340
1939	May 29, 1939	2.94	944		June 16, 1951	4.62	1,700
1940	May 12, 1940	4.48	1,520	1952	May 2, 1952	4.07	1,320
	May 25, 1940	4.66	1,690		June 8, 1952	5.51	2,650
	June 14, 1940	4.55	1,580		July 28, 1952	3.87	1,160
1941	May 12, 1941	4.54	1,560	1953	June 19, 1953	4.93	2,030
	May 17, 1941	4.44	1,470		July 6, 1953	4.23	1,440
	May 26, 1941	4.68	1,700				
	June 6, 1941	4.72	1,740	1954	May 8, 1954	4.13	1,340
	June 13, 1941	4.78	1,800		May 19, 1954	4.60	1,710
	June 20, 1941	5.01	2,040				
	July 10, 1941	4.40	1,430	1955	May 23, 1955	3.97	1,280
					May 30, 1955	4.27	1,520
1942	May 25, 1942	4.72	1,650		June 10, 1955	5.13	2,230
	June 15, 1942	4.89	1,780				
	July 5, 1942	5.02	1,900	1956	Dec. 23, 1955	7.41	5,180
	July 16, 1942	4.27	1,290		May 24, 1956	5.00	2,140
					June 11, 1956	5.05	2,150
1943	May 1, 1943	4.09	1,190		June 29, 1956	5.22	2,320
	May 28, 1943	5.04	2,000		July 20, 1956	4.76	1,910
	June 1, 1943	5.15	2,110				
	June 11, 1943	4.31	1,340	1957	June 3, 1957	4.97	2,070
	June 18, 1943	4.51	1,500		June 13, 1957	3.85	1,200
					June 25, 1957	4.25	1,520
1944	June 8, 1944	4.34	1,360				
				1958	May 11, 1958	4.09	1,330
1945	May 11, 1945	4.68	1,720		May 21, 1958	4.96	2,060
	June 4, 1945	4.40	1,350		June 24, 1958	5.23	2,330
	June 14, 1945	4.95	1,810		July 7, 1958	4.21	1,430
	June 22, 1945	5.03	1,880				
	July 9, 1945	4.37	1,270	1959	May 13, 1959	3.42	866
1946	May 6, 1946	4.52	1,310	1960	June 2, 1960	4.01	1,270
	May 20, 1946	4.73	1,470				
	June 4, 1946	4.50	1,290	1961	May 25, 1961	3.45	866
1947	May 3, 1947	4.59	1,360	1962	May 6, 1962	3.90	1,150
	May 23, 1947	4.48	1,270		June 3, 1962	4.17	1,330
					June 9, 1962	4.27	1,460
1948	May 26, 1948	4.45	1,250		June 19, 1962	4.58	1,770
	June 10, 1948	4.30	1,140				
	June 25, 1948	4.36	1,180	1963	Feb. 1, 1963	5.85	2,870
					June 2, 1963	4.46	1,630
1949	May 14, 1949	4.32	1,180		June 16, 1963	5.60	2,760
	May 27, 1949	4.72	1,500		June 27, 1963	4.15	1,380
	June 10, 1949	4.70	1,490				

2965. West Walker River near Coleville, Calif.
(Published as "West Fork of Walker River" 1903, 1905-8, and as "Walker River (West Fork)" 1904)

Location.--Lat 38°30'55", long 119°27'15", in NW¼NE¼ sec.28, T.8 N., R.23 E., on left bank a quarter of a mile downstream from Rock Creek and 5 miles southeast of Coleville.

Drainage area.--245 sq mi.

Gage.--Nonrecording prior to Sept. 1, 1910; recording thereafter. Prior to July 31, 1908, at site half a mile upstream at different datum. Mar. 1, 1909, to Aug. 15, 1919, near present site at different datums. Aug. 16, 1919, to Mar. 31, 1938, at site 1,000 ft upstream at different datum. Altitude of gage is 5,520 ft (from topographic map).

Stage-discharge relation.--Defined by slope-area measurements at 6,500 cfs.

Remarks.--Flow very slightly regulated by Poor Lake Reservoir (capacity unknown) 17 miles upstream. Base for partial-duration series, 1,120 cfs. Only annual peaks are shown prior to 1916.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)
1903	June 1, 1903	4.10	2,030
1904	May 25, 1904	4.90	2,100
1905	June 13,14,20,1905	3.90	1,160
1906	July 3,4,1906	5.45	3,300
1907	July 3, 1907	5.9	4,170
1908	June 13, 1908	3.6	1,050
1909	June 4,5,1909	-	2,220
1910	May 25,June 1, 1910	-	1,680
1916	May 6, 1916	4.75	1,260
	June 17, 1916	5.40	1,830
	June 27, 1916	5.05	1,520
1917	June 10, 1917	5.65	2,260
	June 17, 1917	5.75	2,400
1918	June 14, 1918	5.77	2,280
	June 20, 1918	5.42	1,890
1919	May 29, 1919	5.60	2,180
1920	May 18, 1920	4.62	1,500
	May 30, 1920	4.55	1,440
	June 20, 1920	4.36	1,260
1921	May 16, 1921	4.60	1,480
	May 27, 1921	4.62	1,500
	June 12, 1921	5.74	2,710
	June 24, 1921	4.77	1,650
1922	May 6, 1922	4.68	1,330
	May 18, 1922	5.02	1,660
	May 25, 1922	5.18	1,820
	June 5, 1922	5.95	2,640
	June 26, 1922	5.70	2,440
1923	May 17, 1923	4.85	1,540
	May 25, 1923	4.73	1,440
	June 11, 1923	5.10	1,770
	July 2, 1923	4.69	1,400
1924	May 9, 1924	3.92	856
1925	May 6, 1925	4.71	1,460
	May 27, 1925	4.95	1,660
	June 13, 1925	4.62	1,390
	June 27, 1925	4.90	1,610
1926	May 4, 1926	4.45	1,250
	May 20, 1926	4.67	1,430
	June 8, 1926	4.64	1,400
1927	May 17, 1927	5.40	2,070
	May 26, 1927	4.44	1,240
	June 7, 1927	5.20	1,890
	June 16, 1927	5.7	2,350
	July 2, 1927	4.48	1,270
1928	May 26, 1928	4.74	1,480
1929	May 24, 1929	4.49	1,280
	June 16, 1929	4.60	1,370
1930	June 12, 1930	4.70	1,450
1931	May 7, 1931	3.93	870
1932	May 18, 1932	4.65	1,300
	May 28, 1932	4.60	1,260
	June 26, 1932	5.60	2,020
1933	May 31, 1933	4.49	1,280
	June 14, 1933	5.45	2,120
1934	June 18, 1934	3.80	750
1935	May 27, 1935	4.89	1,670
	June 6, 1935	5.10	1,880
	June 13, 1935	5.17	1,950
	June 20, 1935	4.83	1,620
1936	May 26, 1936	4.40	1,250
	June 13, 1936	4.53	1,350
	June 23, 1936	4.75	1,540
1937	May 15, 1937	5.08	1,860
	May 25, 1937	4.89	1,670
	May 29, 1937	5.40	2,200
	June 5, 1937	5.08	1,860
	June 16, 1937	4.45	1,290
	June 22, 1937	4.95	1,730
1938	Dec. 11, 1937	-	6,500
1957	June 4, 1957	3.87	2,000
	June 13, 1957	3.05	1,230
	June 25, 1957	3.29	1,470
1958	May 11, 1958	3.40	1,440
	May 19, 1958	4.10	2,100
	June 24, 1958	4.21	2,230
	July 7, 1958	3.41	1,370
1959	May 13, 1959	2.76	884
1960	June 2, 1960	3.15	1,270
1961	May 26, 1961	2.75	869
1962	May 6, 1962	3.13	1,120
	June 3, 1962	3.20	1,180
	June 10, 1962	3.37	1,330
	June 22, 1962	3.55	1,500
1963	Feb. 1, 1963	4.44	2,510
	June 2, 1963	3.52	1,550
	June 17, 1963	4.32	2,470
	June 28, 1963	3.36	1,410
	July 8, 1963	3.15	1,230

2975. West Walker River at Hoye Bridge, near Wellington, Nev.

Location.--Lat 38°43'40", long 119°25'40", in NE¼SE¼ sec.17, T.10 N., R.23 E., on left bank 20 ft upstream from Hoye Bridge, 2 miles upstream from head of Saroni Canal, and 4 miles southwest of Wellington.

Drainage area.--504 sq mi.

Gage.--Recording. July 1, 1920, to Sept. 30, 1923, at site 3 miles downstream (1 mile downstream from Saroni Canal) at different datum ard supplemental staff gage on Saroni Canal 1 mile downstream from head. Altitude of gage is 4,980 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measuremerts.

Remarks.--Flow regulated by off-channel storage in Topaz Reservoir since Jan. 30, 1922. Diversions for irrigation of about 10,500 acres above station. Records include releases from Topaz Reservoir and all return flow from Antelope Valley. Base for partial-duration series, 700 cfs. Only annual peaks are shown prior to 1958.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1921	June 8, 1921	-	1,380	1958	June 24, 1958	7.62	1,860
1922	June 6, 1922	-	2,180		July 7, 1958	5.77	1,160
					July 23, 1958	4.34	712
1924	May 11, 1924	-	666				
1925	Sept. 4, 1925	-	1,190	1959	June 6, 1959	4.28	593
1926	May 5, 1926	-	822	1960	July 28, 1960	4.26	564
1927	June 18, 1927	-	1,530				
1928	May 27, 1928	-	1,100	1961	Aug. 13, 1961	7.30	772
1929	May 24, 1929	-	636				
1930	June 8, 1930	-	867	1962	June 13, 1962	5.33	710
1931	May 7, 1931	-	685	1963	Feb. 1, 1963	8.44	2,060
1932	June 29, 1932	-	1,460		June 3, 1963	7.21	1,420
					June 18, 1963	8.47	2,080
1958	May 11, 1958	5.19	946		June 28, 1963	6.43	1,090
	May 21, 1958	6.61	1,360		July 8, 1963	5.68	849

2985. West Walker River near Wellington, Nev.

Location.--Lat 38°45', long 119°24', in sec.10, T.10 N., R.23 E., in canyon between Antelope and Smith Valleys, a quarter of a mile upstream from Plymouth and Colony Canals, 1 mile downstream from Saroni Canal, three-quarters of a mile upstream from county line, and 1 mile southwest of Wellington.

Drainage area.--521 sq mi.

Gage.--Recording. Altitude of gage is 4,850 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,500 cfs.

Remarks.--Flow partly regulated by storage in Poor Lake and Topaz Reservoirs. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1918	June 15, 1918	-	1,900	1921	June 8, 1921	-	1,300
1919	May 30, 1919	-	1,940	1922	June 6, 1922	5.32	2,110
1920	May 30, 1920	-	1,030	1923	July 3, 1923	-	1,370

3000. West Walker River near Hudson, Nev.
(Published as "at Hudson" prior to June 1921)

Location.--Lat 38°48'35", long 119°13'35", in SE¼SW¼ sec.18, T.11 N., R.25 E., on left bank half a mile upstream from Wilson Canyon and 3 miles southeast of Hudson.

Drainage area.--964 sq mi.

Gage.--Nonrecording prior to May 1921, at site 2½ miles upstream at different datum; recording thereafter. May 1921 to March 1925 at approximately same site at different datum. Altitude of gage is 4,670 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,700 cfs.

Remarks.--Flow regulated by off-channel storage in Topaz Reservoir since Jan. 30, 1922. Many diversions above station for irrigation. Station is below return flow from irrigated areas in Smith Valley. Base for partial-duration series, 500 cfs. Only annual peaks are shown prior to 1951.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1915	June 9,10, 1915	-	a1,470	1954	May 10, 1954	2.52	522
1916	June 18, 1916	-	a1,710	1955	June 8, 1955	2.22	403
1917	June 18,19, 1917	-	a2,200				
1918	June 15, 1918	-	a1,950	1956	Dec. 24, 1955	7.42	2,700
					June 5, 1956	4.72	1,410
1920	May 20-22, 1920	-	a960		July 1, 1956	4.76	1,490
					July 22, 1956	3.71	1,040
1921	June 13, 1921	-	a775				
1922	June 7, 1922	-	2,530	1957	June 7, 1957	3.57	938
1923	July 4, 1923	-	1,510		June 14, 1957	2.75	622
1924	May 11, 1924	-	528		June 26, 1957	2.95	702
1947	May 3, 1947	2.44	527	1958	May 12, 1958	2.68	598
1948	May 18, June 27, 1948	2.22	419		May 22, 1958	3.89	1,070
					June 20, 1958	5.36	1,730
1949	June 12, 1949	2.26	434		July 8, 1958	3.08	738
1950	June 2, 1950	2.47	502		Aug. 19, 1958	2.58	522
1951	Nov. 22, 1950	4.72	1,420	1959	May 14, 1959	2.20	373
	Dec. 10, 1950	5.36	1,690				
	May 29, 1951	4.94	1,520	1960	June 3, 1960	2.13	346
	June 18, 1951	3.57	945				
				1961	May 29, 1961	2.17	354
1952	June 5, 1952	4.69	1,410				
	June 10, 1952	4.32	1,260	1962	May 16, 1962	2.38	400
	July 7, 1952	3.78	1,030				
	July 31, 1952	3.32	846	1963	Feb. 2, 1963	5.74	1,920
					June 18, 1963	6.10	2,100
1953	June 20, 1953	4.56	1,360		June 28, 1963	3.54	890
	July 9, 1953	3.08	723		July 8, 1963	2.68	526
	July 16, 1953	2.80	614				
	July 19, 1953	2.70	574				

a Maximum observed.

3010. Walker River at Mason, Nev.

Location.--Lat 38°56'55", long 119°11'10", in NE¼ sec.33, T.13 N., R.25 E., 600 ft upstream from highway bridge at Mason.

Gage.--Nonrecording prior to May 15, 1921, on bridge pier 600 ft downstream at different datum; recording thereafter. Altitude of gage is 4,400 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 3,900 cfs.

Remarks.--Flow regulated by off-channel storage in Topaz Reservoir since January 1922. Slight regulation by storage in Poor Lake and Twin Lakes Reservoirs. Only annual peaks are shown.

Peak stages and discharges of Walker River at Mason, Nev.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1911	June 20, 1911	-	a4,710	1916	June 18, 1916	7.48	a1,850
1912	June 8, 1912	-	a1,350	1921	June 14, 1921	4.38	1,300
1914	June 21, 1914	-	a3,410	1922	June 8, 1922	5.94	2,400
1915	June 10, 1915	7.1	a1,530				

a Maximum observed.

3015. Walker River near Wabuska, Nev.

Location.--Lat 39°09'10", long 119°05'50", in SE¼NW¼ sec.20, T.15 N., R.26 E., on left bank 600 ft upstream from timber bridge at Julian Ranch, 1⅝ miles downstream from Southern Pacific Railroad bridge, 4.6 miles east of Wabuska, and 16 miles upstream from Weber Dam.

Drainage area.--2,600 sq mi, approximately.

Gage.--Nonrecording prior to July 28, 1920; recording thereafter, except nonrecording Aug. 30 to Oct. 13, 1922, Oct. 1, 1924, to Sept. 30, 1929, and January 1939 to September 1958. Prior to 1908 at site 2½ miles upstream at different datum. Jan. 15, 1920, to Sept. 30, 1929, at sites near present gage at different datums. Oct. 1, 1929, to Sept. 30, 1935, at site 1½ miles downstream at different datum. January 1939 to September 1958, 300 ft downstream at datum 1.19 ft higher. Altitude of gage is 4,280 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Records for 1934-35 furnished by Bureau of Indian Affairs, and those for 1939-58 by Walker River Irrigation District. Many diversions for irrigation above station. Flow regulated by Bridgeport and Topaz Reservoirs. Only annual maximum daily or maximum observed discharges are shown except for 1959.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1903	June 11-13, 1903	-	964	1941	June 23, 1941	-	1,800
1904	May 27, 1904	-	1,560	1942	June 13, 1942	-	2,000
1905	June 15, 1905	-	613	1943	Jan. 25, 1943	-	2,420
1906	July 10, 11, 1906	-	3,280	1945	June 25, 1945	-	2,630
1907	July 6, 7, 1907	-	2,510	1946	May 10, 1946	-	1,300
1920	June 4, 1920	-	259	1947	Nov. 26, 1946	-	297
1921	June 17, 1921	-	790	1948	Jan. 28, 1948	-	114
1922	June 8, 1922	-	2,220	1949	Feb. 20, 1949	-	200
1923	May 22, 1923	-	870	1950	Jan. 27, 1950	-	135
1924	Oct. 1, 1923	-	290	1951	Dec. 11, 1950	-	1,750
1925	July 21, 1925	-	315	1952	June 1, 1952	-	1,800
1926	June 12, 1926	-	119	1953	June 22, 1953	-	955
1927	June 20, 1927	-	1,550	1954	May 18, 1954	-	167
1928	May 28, 1928	-	408	1955	Jan. 23, 1955	-	260
1929	May 24, 1929	-	76	1956	June 13, 1956	-	2,350
1930	May 28, 29, 1930, June 20, 1930	-	82	1957	June 7, 1957	-	535
1931	June 3, 1931	-	40	1958	June 24, 1958	-	1,880
1932	June 29, 1932	-	1,250	1959	Oct. 8, 1958	4.22	316
1934	June 21, 1934	-	129	1960	Feb. 11, 1960	3.38	128
1935	June 15, 1935	-	518	1961	Aug. 26, 1961	4.02	262
1940	June 14, 1940	-	863	1962	June 26, 1962	5.12	486
				1963	June 23, 1963	10.02	2,320

3020. Walker River at Schurz, Nev.

Location.--Lat 38°57', long 118°48', in sec.36, T.13 N., R.28 E., at railroad bridge at Schurz, 3 miles upstream from Walker Lake and 6 miles downstream from Walker River Indian Reservation diversion dam.

Drainage area.--2,850 sq mi, approximately.

Gage.--Nonrecording. Prior to Aug. 4, 1914, at site about 2,300 ft upstream at different datum. Aug. 4, 1914, to Nov. 14, 1916, at site 1,000 ft upstream at different datum. Altitude of gage is 4,120 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Many diversions for irrigation above station. Flow regulated by Topaz Reservoir since 1922 and by Bridgeport Reservoir since 1923. Only annual maximum observed discharges are shown.

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	June 8, 1914	11.0	2,530	1924	Oct. 1, 1923	2.75	301
1915	June 12, 1915	6.85	1,180	1925	July 22, 1925	2.8	318
1916	June 20, 1916	7.50	1,500	1926	Feb.5-17, 1926	1.98	125
1917	June 21, 1917	7.3	1,860	1927	June 21, 1927	5.70	1,530
1918	June 18, 1918	7.00	2,100	1928	June 1, 1928	2.82	350
1919	May 31,June 1, 1919	6.50	1,970	1929	Feb. 1, 1929	1.60	61
				1930	May 8, 1930	1.60	61
1920	May 25, 1920	2.20	187				
				1931	Jan.31, Feb.1, 1931	1.80	91
1921	June 15, 1921	4.00	640				
1922	July 1, 1922	6.40	2,050	1932	June 30, 1932	6.00	1,250
1923	May 24, 1923	4.20	825	1933	Mar. 1, 1933	1.90	139

CARSON RIVER BASIN

3025. East Fork Carson River above Soda Springs ranger station, near Markleeville, Calif.

Location.--Lat 38°30', long 119°41', in sec.28, T.8 N., R.21 E., on left bank half a mile downstream from Murray Canyon Creek, 2 miles southwest of Soda Springs ranger station, and 14 miles southeast of Markleeville.

Drainage area.--30 sq mi, approximately. Mean altitude, 8,790 ft.

Gage.--Recording. Altitude of gage is 6,820 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 320 cfs and by slope-area measurements at 3,570 cfs.

Remarks.--Base for partial-duration series, 300 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1947	May 2, 1947	3.80	447	1949	May 26, 1949	3.91	480
	May 22, 1947	3.59	386		June 10, 1949	3.89	474
	June 7, 1947	3.35	322				
				1950	May 31, 1950	4.27	652
1948	May 17, 1948	3.60	389		June 5, 1950	4.18	813
	May 26, 1948	4.06	528		June 10, 1950	3.32	311
	June 3, 1948	3.44	345		June 20, 1950	3.99	533
	June 9, 1948	3.74	429				
	June 29, 1948	3.76	435	1951	Nov. 20, 1950	7.62	3,570
					Dec. 3, 1950	4.44	733
1949	Apr. 24, 1949	3.41	338		Dec. 8, 1950	4.82	934
	May 12, 1949	3.38	330		May 27, 1951	4.46	744
	May 16, 1949	3.35	322				

3030. Silver King Creek near Coleville, Calif.

Location.--Lat 38°31', long 119°36', in sec.30, T.8 N., R.22 E., on left bank a quarter of a mile downstream from Poison Valley, 2½ miles east of Soda Springs ranger station, and 6½ miles southwest of Coleville.

Drainage area.--30 sq mi, approximately. Mean altitude, 8,840 ft.

Gage.--Recording. Altitude of gage is 7,650 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Base for partial-duration series, 100 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1947	Apr. 19, 1947	-	140	1949	May 26, 1949	-	169
	May 2, 1947	2.39	172		June 10, 1949	-	158
	May 5, 1947	-	170				
	May 22, 1947	-	138	1950	Apr. 27, 1950	-	186
					May 31, 1950	2.62	220
1948	May 5, 1948	2.33	160		June 20, 1950	-	159
	May 15, 1948	-	151				
	May 26, 1948	-	149	1951	Nov. 20, 1950	5.47	748
					Dec. 3, 1950	4.35	520
1949	Apr. 24, 1949	2.61	214		Dec. 8, 1950	4.07	464
	May 1, 1949	-	163		May 27, 1951	2.87	230
	May 16, 1949	-	199				

3040. Wolf Creek near Markleeville, Calif.

Location.--Lat 38°32', long 119°43', in sec.24, T.8 N., R.20 E., on left bank three-quarters of a mile downstream from Bull Canyon Creek and 12 miles southwest of Markleeville.

Drainage area.--9.8 sq mi, approximately. Mean altitude, 8,700 ft.

Gage.--Recording. Altitude of gage is 7,350 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 150 cfs and by slope-area measurements at 1,480 cfs.

Remarks.--Base for partial-duration series, 150 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1947	May 3, 1947	3.90	218	1949	May 26, 1949	3.70	192
	May 21, 1947	-	158		June 10, 1949	-	174
	June 7, 1947	-	154				
				1950	May 31, 1950	3.95	224
1948	May 16, 1948	-	192		June 20, 1950	-	176
	May 26, 1948	3.89	224				
	June 3, 1948	-	175	1951	Nov. 18, 1950	6.14	875
	June 9, 1948	-	182		Nov. 20, 1950	7.10	1,480
	June 28, 1948	-	165		Dec. 3, 1950	3.75	326
					Dec. 8, 1950	4.41	428
1949	May 12, 1949	-	158		May 27, 1951	3.08	232
	May 16, 1949	-	151				

3045. Silver Creek below Pennsylvania Creek, near Markleeville, Calif.

Location.--Lat 38°36'00", long 119°46'30", in SE¼NE¼ sec.28, T.9 N., R.20 E., on left bank a quarter of a mile downstream from Pennsylvania Creek and 6½ miles south of Markleeville.

Drainage area.--20 sq mi, approximately. Mean altitude, 8,200 ft.

Gage.--Recording. Prior to Aug. 3, 1954, at site 180 ft upstream at datum 5.20 ft higher. Aug. 3, 1954, to Sept. 16, 1957, at site 30 ft upstream at datum 3.00 ft higher. Sept. 17, 1957, to Aug. 22, 1963, at present site at datum 2.00 ft higher. Altitude of gage is 6,500 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 450 cfs and by slope-area measurements at 1,520 and 2,220 cfs.

Remarks.--Base for partial-duration series, 190 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1947	May 2, 1947	3.64	365	1954	Apr. 22, 1954	2.25	208
	May 22, 1947	-	253		May 8, 1954	2.69	347
	June 7, 1947	-	192		May 20, 1954	2.65	340
1948	May 6, 1948	-	287	1955	May 12, 1955	2.50	233
	May 16, 1948	-	331		May 21, 1955	2.87	332
	May 26, 1948	3.84	411		May 29, 1955	2.82	339
	June 3, 1948	-	304		June 7, 1955	2.77	327
	June 9, 1948	-	320		July 14, 1955	3.14	426
	June 25, 1948	-	194	1956	Dec. 23, 1955	6.09	1,520
1949	Apr. 24, 1949	-	297		Jan. 15, 1956	2.57	221
	May 1, 1949	-	194		May 4, 1956	2.77	268
	May 13, 1949	-	291		May 23, 1956	3.50	500
	May 16, 1949	-	317		June 10, 1956	3.32	488
	May 26, 1949	3.68	358		July 20, 1956	2.48	246
	June 10, 1949	-	278	1957	May 6, 1957	2.59	250
1950	Apr. 21, 1950	-	241		May 18, 1957	3.06	393
	Apr. 26, 1950	-	227		June 1, 1957	3.12	432
	May 16, 1950	-	307				
	May 21, 1950	-	358	1958	May 10, 1958	3.39	366
	May 31, 1950	3.79	382		May 18, 1958	3.65	490
	June 5, 1950	-	390		June 22, 1958	3.25	305
	June 20, 1950	-	284	1959	Apr. 30, 1959	2.96	198
1951	Nov. 18, 1950	6.15	910		May 12, 1959	2.99	207
	Nov. 20, 1950	7.95	1,260				
	Dec. 3, 1950	3.87	457	1960	May 11, 1960	3.09	269
	Dec. 8, 1950	4.48	571				
	May 27, 1951	3.17	359	1961	May 25, 1961	2.89	190
					Aug. 12, 1961	3.05	249
1952	June 7, 1952	3.90	488				
	July 11, 1952	3.40	395	1962	Apr. 14, 1962	3.02	196
	July 26, 1952	2.91	298		May 5, 1962	3.42	338
	July 27, 1952	4.33	556		June 2, 1962	3.36	313
					June 19, 1962	3.24	265
1953	Apr. 25, 1953	2.84	259				
	June 6, 1953	2.54	227	1963	Feb. 1, 1963	5.28	2,220
	June 18, 1953	2.99	343		May 21, 1963	2.84	372
	July 11, 1953	2.22	196		June 16, 1963	2.56	329
1954	Mar. 9, 1954	2.93	268				

3060. Hot Springs Creek near Markleeville, Calif.
(Published as "Markleeville Creek above Grover Hot Springs, near Markleeville" prior to 1956)

Location.--Lat 38°42', long 119°51', in SE¼NE¼ sec.23, T.10 N., R.19 E., on right bank half a mile upstream from Buck Creek, 4 miles upstream from mouth, and 4 miles west of Markleeville.

Drainage area.--14 sq mi, approximately. Mean altitude, 8,170 ft.

Gage.--Recording. Prior to July 31, 1953, at site 25 ft upstream at datum 0.05 ft higher. Altitude of gage is 5,880 ft (from river-profile map, extended).

Stage-discharge relation.--Defined by current-meter measurements below 330 cfs and by slope-area measurements at 1,740 cfs.

Remarks.--Base for partial-duration series, 175 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1947	May 2, 1947	4.73	316	1953	Apr. 26, 1953	4.40	203
					May 19, 1953	4.34	205
1948	May 6, 1948	4.14	185		June 6, 1953	4.52	247
	May 16, 1948	4.75	302		June 18, 1953	4.56	255
	May 26, 1948	5.17	399				
	June 2, 1948	4.57	270	1954	Apr. 24, 1954	4.55	189
					May 8, 1954	5.21	302
1949	Apr. 24, 1949	4.40	211		May 20, 1954	4.62	198
	May 13, 1949	4.93	318				
	May 26, 1949	4.38	208	1955	May 12, 1955	4.52	205
					May 23, 1955	5.02	292
1950	May 27, 1950	5.03	338		May 29, 1955	5.05	297
					June 7, 1955	4.50	202
1951	Nov. 18, 1950	7.43	1,200				
	Nov. 20, 1950	8.49	1,740	1956	Dec. 23, 1955	7.36	900
	Dec. 3, 1950	5.86	558		May 3, 1956	4.73	267
	Dec. 8, 1950	6.50	810		May 23, 1956	6.14	523
	May 27, 1951	4.16	186				
				1957	May 7, 1957	4.37	214
1952	May 31, 1952	5.75	513		May 18, 1957	5.02	313
	July 28, 1952	4.27	187		June 1, 1957	5.07	341

3090. East Fork Carson River near Gardnerville, Nev.
(Published as "at Rodenbahs" 1890-93, and as "at Rodenbah's ranch near Gardnerville" 1950)

Location.--Lat 38°50'50", long 119°42'10", in SW¼NE¼ sec.2, T.11 N., R.20 E., on left bank 2 miles east of Mud Lake Reservoir, 4½ miles downstream from Bryant Creek, and 7 miles southeast of Gardnerville.

Drainage area.--344 sq mi. Mean altitude, 7,620 ft.

Gage.--Nonrecording prior to May 19, 1939, at several sites within 2 miles of present site at various datums; recording thereafter. Datum of gage is 4,985.11 ft above mean sea level (levels by Bureau of Reclamation).

Stage-discharge relation.--Defined by current-meter measurements below 6,000 cfs and by slope-area measurements at 17,600 cfs.

Remarks.--Station is above all diversions in Carson Valley. Diversions for irrigation above station. Flow slightly regulated by several small reservoirs (total capacity, about 5,000 acre-ft). Base for partial-duration series, 1,300 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1890	May 28, 1890	-	4,260	1901	May 17, 1901	-	3,162
				1902	May 28, June 8, 1902	-	1,800
1891	(a)	-	1,880				
1892	(b)	-	2,590	1903	May 14, 1903	-	2,900
1893	Dec. 25, 1892	-	5,540	1904	Feb. 24, 1904	-	4,100

a Several days. b About May 24.

Peak stages and discharges of East Fork Carson River near Gardnerville, Nev.--Con.

Water year	Date	Gage height (feet)	Discharge (cfs)
1905	May 16, 1905	-	1,930
1908	June 13, 1908	-	940
1909	June 5, 1909	-	4,200
1910	Nov. 21, 1909	-	2,070
1917	June 23, 1917	-	2,090
1925	May 6, 1925	-	3,350
1926	Apr. 26, 1926	-	1,230
1927	May 17, 1927	-	3,150
1928	Mar. 26, 1928	-	2,570
1936	Apr. 11, 1936	3.05	2,290
1937	May14-15, 1937	2.50	1,680
1938	Dec. 11, 1937	-	10,300
1940	Mar. 27, 1940	4.63	2,580
1941	May 12, 1941	4.51	2,480
1942	Dec. 3, 1941	6.00	4,060
1943	Jan. 21, 1943	6.86	5,420
1944	May 9, 1944	3.86	1,720
1945	Feb. 2, 1945	5.57	3,490
1946	May 6, 1946	4.15	1,960
1947	Nov. 23, 1946	4.51	2,450
1948	May 7, 1948	-	1,480
	May 17, 1948	-	1,810
	May 27, 1948	4.25	2,120
	June 3 or 4, 1948	-	1,500
1949	Apr. 24, 1949	4.04	1,870
	May 2, 1949	-	1,300
	May 14, 1949	-	1,860
	May 27, 1949	-	1,790
	June 11, 1949	-	1,300
1950	Apr. 27, 1950	-	1,330
	May 17, 1950	-	1,760
	May 22, 1950	-	2,020
	May 28, 1950	-	2,310
	June 1, 1950	4.48	2,410
	June 6, 1950	-	2,010
	June 21, 1950	-	1,430
	Aug. 2, 1950	-	2,240
1951	Nov. 19, 1950	9.07	10,500
	Nov. 21, 1950	9.66	12,100
	Dec. 3, 1950	9.14	10,700
	Dec. 8, 1950	7.34	6,320
	May 28, 1951	4.08	2,040
1952	Apr. 6, 1952	3.58	1,520
	May 1, 1952	4.52	2,520
	June 6, 1952	5.40	3,560
	July 11, 1952	3.66	1,590
	July 27, 1952	3.33	1,310
1953	Apr. 27, 1953	4.10	2,060
	June 19, 1953	4.23	2,200
1954	Mar. 9, 1954	4.65	2,730
	Apr. 23, 1954	3.46	1,430
	May 9, 1954	3.96	1,930
	May 20, 1954	3.79	1,740
1955	May 22, 1955	3.66	1,630
	May 30, 1955	3.64	1,610
	June 9, 1955	3.93	1,920
1956	Dec. 23, 1955	11.88	17,600
	Dec. 26, 1955	4.46	2,440
	Jan. 15, 1956	4.82	2,860
	Apr. 25, 1956	3.62	1,580
	May 4, 1956	4.18	2,130
	May 24, 1956	5.11	3,210
1957	May 7, 1957	3.31	1,320
	May 19, 1957	4.31	2,270
	June 2, 1957	4.37	2,340
1958	Feb. 24, 1958	4.25	2,200
	Apr. 20, 1958	3.71	1,660
	May 11, 1958	4.43	2,470
	May 19, 1958	5.01	3,160
	June 19, 1958	4.50	2,550
1959	May 13, 1959	2.95	1,030
1960	May 13, 1960	3.11	1,160
1961	May 26, 1961	2.81	937
1962	Apr. 16, 1962	3.39	1,380
	May 6, 1962	3.92	1,860
	June 3, 1962	3.63	1,590
	June 10, 1962	3.46	1,440
	June 20, 1962	3.32	1,320
1963	Feb. 1, 1963	10.45	13,400
	May 8, 1963	3.77	1,760
	May 21, 1963	4.49	2,530
	June 17, 1963	4.56	2,610

3095. West Fork Carson River above Woodfords, Calif.

Location.--Lat 38°47', long 119°54', in sec.31, T.11 N., R.19 E., on right bank 1 mile above Horsethief Canyon Creek and 4 miles west of Woodfords.

Drainage area.--53 sq mi, approximately.

Gage.--Recording. Altitude of gage is 6,860 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 630 cfs and extended on basis of slope-area measurements and areal-yield study to peak of 4,600 cfs.

Bankfull stage.--In canyon; not subject to overflow.

Remarks.--Base for partial-duration series, 450 cfs.

Peak stages and discharges of West Fork Carson River above Woodfords, Calif.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1947	May 2, 1947	4.75	602	1950	Apr. 27, 1950	5.05	698
					May 15, 1950	5.06	701
1948	May 6, 1948	4.84	627				
	May 16, 1948	5.00	674	1951	Nov. 20, 1950	9.82	4,600
	May 26, 1948	4.74	599		Dec. 3, 1950	8.59	3,190
					Dec. 8, 1950	7.33	2,010
1949	Apr. 24, 1949	5.39	793				
	May 14, 1949	5.06	692				

3100. West Fork Carson River at Woodfords, Calif.

Location.--Lat 38°46'10", long 119°49'55", in NW¼SE¼ sec.34, T.11 N., R.19 E., on left bank 0.3 mile downstream from bridge on State Highways 88 and 89, 0.6 mile southwest of Woodfords, and 3¾ miles downstream from Willow Creek.

Drainage area.--66 sq mi, approximately. Mean altitude, 8,060 ft.

Gage.--Nonrecording prior to Oct. 1, 1938, at different datum; recording thereafter. Oct. 1, 1938, to Nov. 11, 1958, at present site at datum 1.02 ft lower. Nov. 13, 1958, to Jan. 30, 1963, at site 150 ft downstream at datum 3.06 ft lower. Altitude of gage is 5,760 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 1,000 cfs and by slope-area measurements at 4,810 cfs.

Remarks.--Base for partial-duration series, 500 cfs. Only annual peaks are shown prior to 1948 (1891, 1901-20, maximum daily discharge).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1890	June 9, 1890	-	1,280	1948	May 16, 1948	4.65	708
1891	May 5, 1891	-	740		May 26, 1948	-	621
1901	May 12, 1901	-	896	1949	Apr. 24, 1949	4.98	824
1902	May 26,28, 1902	-	448		May 14, 1949	-	735
1903	May 10-13, 1903	-	502				
1904	May 12, 1904	-	1,085	1950	Apr. 27, 1950	-	731
1905	May 18, 1905	-	370		May 16, 1950	4.77	747
1906	May 9,10, 1906	6.8	1,570	1951	Nov. 20, 1950	8.35	4,730
1907	May 17, 1907	-	1,450		Dec. 3, 1950	7.45	3,400
1908	Aug. 1, 1908	-	643		Dec. 8, 1950	6.23	2,070
1909	May 5, 1909	-	1,230				
1910	Dec. 1, 1909	-	818	1952	May 20, 1952	5.29	1,100
					July 29, 1952	3.81	543
1911	May 23, 1911	-	1,300				
1912	May 15, 1912	-	710	1953	Apr. 25, 1953	4.09	813
1913	Apr. 26, 1913	-	647		May 19, 1953	3.75	662
1914	May 21, 1914	-	1,050		June 19, 1953	3.52	572
1915	May 11, June 6, 7, 1915	-	672	1954	Apr. 22, 1954	3.88	701
					May 8, 1954	3.65	600
1916	May 7, 1916	-	1,180				
1917	June 13, 1917	-	944	1955	May 12, 1955	3.59	596
1918	May 5, 1918	-	618		May 21, 1955	3.58	592
1919	Apr. 29,30, 1919	-	958				
1920	May 12, 1920	-	742	1956	Dec. 23, 1955	8.86	4,810
					Apr. 24, 1956	4.78	685
1938	Dec. 11, 1937	9.00	3,500		May 4, 1956	5.08	856
1939	Apr. 7, 1939	3.72	354		May 23, 1956	5.60	1,210
1940	May 2, 1940	5.21	895				
				1957	May 6, 1957	4.40	516
1941	May 5, 1941	6.00	1,330		May 18, 1957	5.10	880
1942	May 22, 1942	5.80	1,210		June 2, 1957	4.50	560
1943	Apr. 28, 1943	5.93	1,290				
1944	May 7, 1944	4.11	497	1958	May 5, 1958	5.15	1,020
1945	May 10, 1945	5.26	975		May 18, 1958	5.64	1,650
					May 23, 1958	5.12	1,250
1946	Apr. 25, 1946	5.01	860		June 19, 1958	4.39	654
1947	May 2, 1947	4.46	635				
				1959	Apr. 5, 1959	3.60	320
1948	May 6, 1948	-	678				

Peak stages and discharges of West Fork Carson River at Woodfords, Calif.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1960	Apr. 9, 1960	3.70	350	1963	Feb. 1, 1963	9.0	4,890
					May 8, 1963	4.4	a800
1961	Apr. 17, 1961	3.39	237		May 23, 1963	4.8	a1,000
					June 17, 1963	4.7	a1,000
1962	Apr. 24, 1962	4.64	581				
	May 4, 1962	4.93	677				

a About.

3105. Clear Creek near Carson City, Nev.

Location.--Lat 39°06'50", long 119°47'50", in NE¼NW¼ sec.1, T.14 N., R.19 E., on left bank 3 miles upstream from mouth and 3½ miles southwest of Carson City.

Drainage area.--15 sq mi, approximately.

Gage.--Recording and sharp-crested weir prior to October 1962; crest-stage gage thereafter. Altitude of gage is 5,000 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 100 cfs and extended above on basis of logarithmic plotting.

Bankfull stage.--In canyon; not subject to overflow.

Remarks.--Base for partial-duration series, 15 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1948	Apr. 25, 1948	0.82	16	1956	Jan. 15, 1956	1.64	68
	May 6, 1948	.93	23		Jan. 22, 1956	1.09	32
	May 20, 1948	.65	16		Jan. 29, 1956	.72	18
					Mar. 3, 1956	.67	16
1949	Apr. 23, 1949	.82	17		May 4, 1956	1.05	29
	May 15, 1949	.83	19				
	May 19, 1949	.95	20	1957	Feb. 24, 1957	1.01	29
					Mar. 5, 1957	.77	21
1950	Jan. 17, 1950	.98	27		May 12, 1957	.77	20
	Jan. 22, 1950	1.58	60				
	Mar. 19, 1950	.77	19	1958	Dec. 16, 1957	.64	15
					Feb. 12, 1958	.85	23
1951	Nov. 18, 1950	1.70	73		Feb. 24, 1958	1.57	59
	Dec. 3, 1950	1.95	106		Apr. 21, 1958	.95	24
	Jan. 22, 1951	1.39	44		May 11, 1958	1.05	28
					July 15, 1958	.65	16
1952	Apr. 6, 1952	1.45	49				
	Apr. 25, 1952	1.67	70	1959	Jan. 9, 1959	.88	24
1953	Nov. 14, 1952	.70	15	1960	Feb. 8, 1960	1.24	37
	Jan. 9, 1953	1.11	32		Mar. 7, 1960	.68	15
	Jan. 12, 1953	.77	18		Aug. 1, 1960	.77	17
	Jan. 20, 1953	.83	21				
	Apr. 27, 1953	.89	22	1961	Dec. 1, 1960	.64	13
1954	Jan. 23, 1954	.82	20	1962	Feb. 9, 1962	1.07	29
	Mar. 9, 1954	1.00	26		Feb. 13, 1962	.79	17
					Mar. 28, 1962	.77	19
1955	Feb. 16, 1955	.85	22				
				1963	Jan. 31, 1963	2.29	a170
1956	Dec. 19, 1955	.73	17				
	Dec. 23, 1955	2.03	117				
	Dec. 26, 1955	.95	25				

a Annual peak only.

3110. Carson River near Carson City, Nev.

Location.--Lat 39°06'30", long 119°42'40", in SW¼NW¼ sec.2, T.14 N., R.20 E., on left bank 2 miles downstream from Clear Creek, 3 miles upstream from bridge on road to Mexican Dam, and 5 miles southeast of Carson City.

Drainage area.--876 sq mi.

Gage.--Recording, except nonrecording Dec. 23, 1955, to Mar. 13, 1956. Datum of gage is 4,621.48 ft above mean sea level, datum of 1929.

Stage-discharge relation.--Defined by current-meter measurements below 6,000 cfs and by slope-area measurements at 30,000 cfs.

Remarks.--Many diversions above station for irrigation. Flow slightly regulated by several small reservoirs on tributaries. Base for partial-duration series, 1,600 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1939	May 12, 1939	-	541	1953	June 7, 1953	3.76	1,670
					June 20, 1953	4.06	1,970
1940	May 14, 1940	4.36	2,300				
				1954	Mar. 10, 1954	4.21	1,970
1941	May 13, 1941	4.47	2,430		May 9, 1954	3.83	1,640
1942	Jan. 28, 1942	6.58	5,300	1955	June 10, 1955	3.47	1,410
1943	Jan. 22, 1943	8.40	8,500	1956	Dec. 24, 1955	15.0	30,000
					Jan. 16, 1956	4.30	2,230
1944	May 9, 1944	3.66	1,530		Apr. 25, 1956	3.96	1,870
					May 5, 1956	4.27	2,200
1945	Feb. 3, 1945	5.61	3,860		May 25, 1956	5.20	3,220
1946	May 7, 1946	4.15	1,930	1957	May 19, 1957	3.95	1,860
					June 3, 1957	3.99	1,900
1947	Nov. 24, 1946	4.09	1,950				
				1958	Feb. 25, 1958	3.74	1,710
1948	May 18, 1948	-	1,640		Apr. 21, 1958	3.71	1,700
	May 27, 1948	4.01	1,870		May 12, 1958	4.60	2,650
					May 21, 1958	5.01	3,100
1949	Apr. 25, 1949	-	1,680		June 19, 1958	4.12	2,120
	May 17, 1949	4.52	2,420				
				1959	Feb. 17, 1959	3.73	1,690
1950	May 29, 1950	4.28	2,160				
				1960	Feb. 9, 1960	3.12	1,100
1951	Nov. 22, 1950	11.40	15,500				
	Dec. 4, 1950	9.94	11,300	1961	June 2, 1961	2.73	808
	May 28, 1951	3.87	1,750				
				1962	Feb. 10, 1962	4.04	1,950
1952	Feb. 2, 1952	4.15	2,060		May 7, 1962	3.99	1,900
	Apr. 7, 1952	3.80	1,710				
	May 4, 1952	4.98	2,980	1963	Feb. 1, 1963	13.11	21,900
	June 9, 1952	5.64	3,750		May 9, 1963	3.91	1,670
					May 25, 1963	4.43	2,220
1953	Apr. 28, 1953	4.08	1,990		June 17, 1963	4.47	2,400

3115. Carson River near Empire, Nev.

Location.--Lat 39°10', long 119°41', in sec.12, T.15 N., R.20 E., just downstream from tailrace of Brunswick Mill power canal, a quarter of a mile downstream from highway bridge and 2 miles east of Empire.

Drainage area.--988 sq mi.

Gage.--Nonrecording. Prior to Feb. 24, 1911, at several sites within three-quarters of a mile at different datums. Altitude of gage is 4,560 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 2,400 cfs at sites used prior to April 1907, defined by current-meter measurements at sites used after April 1907.

Bankfull stage.--In canyon; not subject to overflow.

Remarks.--Brunswick Mill power canal began diverting above station Apr. 12, 1907; records herein adjusted for this diversion until Feb. 23, 1911, when station was moved below canal tailrace. Only annual maximum observed discharges are shown.

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1901	May 18, 1901	5.25	3,300	1912	June 5, 1912	6.0	2,030
1902	May 30, 1902	4.0	1,710	1913	May 19, 1913	6.05	2,090
1903	May 15, 1903	4.4	2,060	1914	Jan. 23, 1914	8.0	5,160
1904	Feb. 25, 1904	6.9	3,250	1915	June 12, 1915	6.8	3,100
1905	May 19, 1905	5.0	1,430				
				1916	Feb. 11, 1916	6.8	3,100
1906	June 14, 1906	7.2	3,020	1917	June 11, 1917	6.9	3,250
1907	Mar. 18, 1907	-	4,000	1918	Mar. 19, 1918	5.6	1,440
1908	Apr.21,May 2, 1908	5.6	750	1919	May 30, 1919	6.8	2,630
				1920	May 20, 1920	5.5	1,350
1909	Jan. 15, 1909	8.1	2,930				
1910	Apr. 29, 1910	6.7	1,700	1921	May 17, 1921	6.2	2,000
				1922	June 5, 1922	7.4	3,290
1911	June 19, 1911	7.6	4,440				

3120. Carson River near Fort Churchill, Nev.

Location.--Lat 39°17'30", long 119°18'40", in SW¼SE¼ sec.32, T.17 N., R.24 E., on right bank 400 ft downstream from Buckland ditch, 2 miles west of Fort Churchill, and 4½ miles upstream from Weeks bridge on U.S. Highway 9[illegible] alternate.

Drainage area.--1,450 sq mi, approximately.

Gage.--Nonrecording prior to Apr. 25, 1924, at site 7¾ miles upstream at different datum; recording thereafter. Apr. 25, 1924, to Dec. 31, 1933, at site 8 miles upstream at different datum. Jan. 1, 1934, to Sept. 30, 1957, at datum 1.36 ft higher (levels by Truckee-Carson Irrigation District). Datum of gage is 4,214.70 ft above mean sea level, datum of 1929, supplementary adjustment of 1956.

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Records for 1911-31 furnished by Bureau of Reclamation and those for 1932-59 furnished by Truckee-Carson Irrigation District. Many diversions for irrigation above station, including diversions for irrigation of 720 acres between present site and sites used prior to Jan. 1, 1934. Buckland ditch diverts 400 ft upstream for irrigation below station. Only annual maximum daily discharges are shown prior to 1958, unless otherwise noted. Base for partial-duration series, 1,400 cfs.

Peak stages and discharges of Carson River near Fort Churchill, Nev.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1911	June 20, 1911	-	4,470	1941	May 14, 1941	-	2,150
1912	June 5, 1912	-	1,640	1942	Jan. 29, 1942	-	3,730
1913	May 29, 1913	-	1,360	1943	Jan. 24, 1943	-	c6,300
1914	Jan. 26, 1914	11.5	6,150	1944	May 11, 1944	-	1,190
1915	May 31, 1915	-	a2,340	1945	May 12, 1945	-	2,440
1916	Feb. 11, 1916	-	3,950	1946	May 8, 1946	-	1,760
1917	June 11, 1917	-	3,050	1947	May 6, 1947	-	1,450
1918	June 13, 1918	-	1,500	1948	May 28, 1948	-	1,520
1919	May 31, 1919	-	3,140	1949	May 18, 1949	-	2,040
1920	May 21, 1920	-	1,680	1950	June 2, 1950	-	1,980
1921	(b)	-	1,850	1951	Nov. 23, 1950	-	7,850
1922	June 6, 1922	-	3,900	1952	June 11, 1952	-	3,650
1923	May 26, 1923	-	2,170	1953	June 22, 1953	-	1,440
1924	May 11, 1924	-	390	1954	Mar. 10, 1954	-	1,500
1925	Apr.18,May 8, 1925	-	1,960	1955	June 11, 1955	-	1,200
				1956	Dec. 26, 1955	11	9,680
1926	May 6, 1926	-	982	1957	June 6, 1957	-	2,050
1927	May 18, 1927	-	2,430				
1928	Mar. 28, 1928	-	2,710	1958	May 21, 1958	5.65	2,880
1929	May 19, 1929	-	746				
1930	May 22, 1930	-	1,290	1959	Feb. 18, 1959	4.41	1,320
1931	Apr. 29, 1931	-	625	1960	Feb. 10, 1960	3.87	826
1932	May 20, 1932	-	2,200				
1933	June 1, 1933	-	1,370	1961	June 3, 1961	3.74	717
1934	Apr. 1, 1934	-	694				
1935	May 28, 1935	-	1,900	1962	Feb. 11, 1962	4.75	1,680
					May 8, 1962	4.84	1,720
1936	Feb. 24, 1936	-	2,040				
1937	May 17, 1937	-	2,110	1963	Feb. 2, 1963	10.83	15,300
1938	Dec. 14, 1937	-	5,500		May 10, 1963	4.59	1,550
1939	Apr. 14, 1939	-	790		May 26, 1963	5.12	2,260
1940	May 15, 1940	-	2,000		June 18, 1963	5.15	2,290

a Maximum observed.
b May 16, June 9, 10, 1921.
c Momentary maximum.
Note.--Maximum daily mean discharges are shown prior to 1958 except for 1915 and 1943.

HUMBOLDT RIVER BASIN

3130. Starr Creek near Deeth, Nev.

Location.--Lat 41°01', long 115°16', in NE¼ sec.12, T.36 N., R.59 E., 2 miles upstream from mouth and 3 miles southeast of Deeth.

Gage.--Nonrecording. Prior to Oct. 1, 1916, at datum 2.14 ft lower and Oct. 1, 1916, to Nov. 6, 1917, at datum 1.14 ft lower. Altitude of gage is 5,450 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 210 cfs.

Remarks.--Only annual maximum observed discharges are shown.

Maximum observed discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1913	June 11, 1913	-	a273	1919	Mar. 23, 1919	-	184
1914	June 4, 1914	-	372	1920	June 9, 1920	-	167
1915	June 1, 1915	-	62				
				1921	June 9, 1921	4.65	391
1916	June 17, 1916	-	126	1922	June 14, 1922	-	253
1917	June 27, 1917	-	383	1923	June 12, 1923	-	218
1918	Mar. 11, 1918	-	83	1924	May 19, 1924	-	99

a Maximum observed during period June to September.

3150. Marys River near Deeth, Nev.

Location.--Lat 41°19', long 115°16', in NW¼ sec.31, T.40 N., R.60 E., 300 ft east of Malo Vista ranchhouse and 19 miles north of Deeth.

Drainage area.--355 sq mi.

Gage.--Nonrecording at different datums. Altitude of gage is 5,757 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 410 cfs.

Remarks.--Only annual maximum observed discharges are shown.

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1912	(a)	6.3	439	1921	May 29, 1921	7.1	530
1913	Apr. 30, 1913	-	205	1922	May 8, 1922	7.78	616
1914	(b)	-	402	1923	May 18, 1923	4.90	223
1915	Mar. 30, 1915	3.7	94	1924	Apr. 24, 1924	3.60	102
				1925	May 10, 1925	6.30	410
1916	Apr. 14, 1916	6.0	381				
1917	May 16, 1917	-	420	1926	(c)	4.10	136
1918	May 6-9, 1918	4.0	130	1927	May 21, 1927	6.55	428
1919	Apr. 30, 1919	5.24	286	1928	May 13, 1928	6.10	350
1920	May 22, 1920	4.90	239				

a May 19, June 3-7, 1912.
b Apr. 10-23, May 11-13, 1914.
c Apr. 15, 21-23, May 5, 1926.

3155. Marys River above Hot Springs Creek, near Deeth, Nev.
(Published as "below Hot Springs Creek" prior to October 1950)

Location.--Lat 41°15', long 115°17', in NE¼SE¼ sec.24, T.39 N., R.59 E., on right bank 1 mile upstream from Hot Springs Creek, 7 miles north of Cross Ranch, and 13 miles north of Deeth.

Drainage area.--415 sq mi. Mean altitude, 6,610 ft.

Gage.--Recording. Prior to Nov. 3, 1950, at site 1¼ miles downstream at different datum. Altitude of gage is 5,500 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 1,000 cfs and extended above on basis of slope-area measurement at 4,210 cfs.

Remarks.--Base for partial-duration series, 200 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	January 1943	7.2	a1,030	1951	May 30, 1951	4.89	379
1944	June 15, 1944	4.28	306	1952	Apr. 29, 1952	6.57	1,250
1945	Apr. 24, 1945	4.75	402	1953	Apr. 25, 1953	2.82	215
	May 9, 1945	5.99	676		May 21, 1953	2.85	233
	June 7, 1945	5.09	471		June 15, 1953	3.71	398
1946	Apr. 21, 1946	5.18	508	1954	Apr. 29, 1954	2.04	128
	May 23, 1946	3.80	249				
				1955	May 25, 1955	2.55	189
1947	May 10, 1947	4.02	202				
				1956	Mar. 27, 1956	3.00	268
1948	May 20, 1948	5.29	249		Apr. 25, 1956	3.67	390
	May 30, 1948	5.00	259		May 26, 1956	4.68	610
	June 5, 1948	4.89	251				
				1957	May 13, 1957	3.54	402
1949	Apr. 27, 1949	4.99	456		May 21, 1957	4.02	510
	May 19, 1949	4.87	433		June 6, 1957	3.62	418
1950	Apr. 24, 1950	4.67	368	1958	Apr. 23, 1958	3.71	416
	May 26, 1950	5.50	454		May 13, 1958	3.87	448
					May 23, 1958	4.14	500
1951	Feb. 4, 1951	4.63	352				
	Apr. 18, 1951	5.39	452	1959	June 8, 1959	1.98	128

a Annual peak only.

Peak stages and discharges of Marys River above Hot Springs Creek, near Deeth, Nev.--Con.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1960	Apr. 12, 1960	2.93	276	1962	Apr. 22, 1962	3.56	423
	May 14, 1960	2.88	272		May 16, 1962	3.22	365
					June 5, 1962	2.98	316
1961	May 26, 1961	1.82	113		June 16, 1962	2.85	289
1962	Feb. 12, 1962	7.63	4,210	1963	May 25, 1963	2.66	267
	Mar. 29, 1962	3.01	281		June 6, 1963	2.79	293
	Apr. 9, 1962	3.21	329		June 16, 1963	2.83	301

3160. Secret Creek near Halleck, Nev.

Location.--Lat 40°52'00", long 115°16'20", in NE¼NW¼ sec.1, T.34 N., R.59 E., half a mile downstream from Dorsey Creek and 11 miles southeast of Halleck.

Drainage area.--35 sq mi, approximately.

Gage.--Nonrecording. Prior to June 16, 1921, at datum 0.33 ft lower. Altitude of gage is 5,700 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 76 cfs prior to November 1918, and below 130 cfs thereafter. Frequent changes in high-water rating reduce accuracy of peak discharges.

Remarks.--Only annual maximum observed discharges are shown.

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1917	June 4, 1917	2.71	170	1921	Apr. 23, 1921	3.65	375
1918	Apr. 1, 1918	1.57	32	1922	Apr. 29, 1922	-	a300
1919	Apr. 3, 1919	1.82	76	1923	June 21, 1923	1.70	105
1920	May 10, 1920	2.09	112	1924	Apr. 7, 1924	1.6	122

a Maximum daily.

3165. Lamoille Creek near Lamoille, Nev.

Location.--Lat 40°41'30", long 115°28'30", in NE¼ sec.6, T.32 N., R.58 E., on left bank at Lamoille Creek Bridge at mouth of canyon, 300 ft downstream from Elko-Lamoille powerplant and 3 miles south of Lamoille.

Drainage area.--25 sq mi, approximately. Mean altitude, 9,040 ft.

Gage.--Nonrecording prior to Oct. 1, 1943, at various sites nearby at different datums; recording thereafter. Concrete control since 1950. Altitude of gage is 6,240 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Historical data.--June 1917 flood may have exceeded that of June 4, 1957.

Remarks.--Base for partial-duration series, 310 cfs. Only annual peaks are shown prior to 1948.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1915	June 9, 1915	-	315	1945	June 23, 1945	-	486
1916	June 17, 1916	-	330	1946	June 5, 1946	-	299
				1947	May 6, 1947	-	326
1918	June 12, 1918	-	300				
1919	May 28, 1919	-	360	1948	May 27, 1948	-	383
1920	May 28,29, June 7&8,1920	-	377		June 12, 1948	-	332
				1949	May 28, 1949	-	317
1922	June 7, 1922	-	416		June 11, 1949	-	330
1944	June 26, 1944	-	341	1950	May 30, 1950	-	571

Peak stages and discharges of Lamoille Creek near Lamoille, Nev.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	July 6, 1950	-	588	1957	June 27, 1957	-	416
1951	May 26, 1951	-	505	1958	May 24, 1958	-	457
	June 16, 1951	-	363		June 19, 1958	-	309
1952	June 5, 1952	-	415	1959	June 6, 1959	-	238
1953	June 18, 1953	-	311	1960	June 2, 1960	-	348
1954	May 19, 1954	-	235	1961	May 25, 1961	-	340
1955	June 9, 1955	-	323	1962	June 20, 1962	-	415
1956	May 24, 1956	-	447	1963	May 27, 1963	-	362
1957	June 4, 1957	-	794		June 20, 1963	-	570

3170. Lamoille Creek near Halleck, Nev.

Location.--Lat 40°55'40", long 115°26'20", in SW¼ sec.9, T.35 N., R.58 E., 1½ miles southeast of Halleck and 2 miles upstream from mouth.

Drainage area.--245 sq mi.

Gage.--Nonrecording. Prior to Aug. 19, 1915, at datum 1.0 ft lower and Aug. 19, 1915, to Sept. 26, 1917, at datum 2.5 ft lower. Altitude of gage is 5,240 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1913	June 13, 1913	-	452	1917	June 22, 1917	7.1	420
1914	June 5, 1914	6.7	556	1918	June 24, 1918	2.70	115
1915	(a)	4.2	113	1919	May 31, 1919	-	204
1916	Mar. 8, 1916	5.92	201				

a June 3,11-13, 1915.

3175. North Fork Humboldt River at Devils Gate, near Halleck, Nev.

Location.--Lat 41°11', long 115°29', in SE¼ sec.13, T.38 N., R.57 E., on right bank 16 miles north of Halleck and 26 miles upstream from mouth.

Drainage area.--830 sq mi, approximately. Mean altitude, 6,090 ft.

Gage.--Recording. November 1913 to September 1921, at site a quarter of a mile upstream at different datum. Datum of gage is 5,368 ft above mean sea level (Geological Survey planetable bench mark).

Stage-discharge relation.--Defined by current-meter measurements below 2,000 cfs and extended above on basis of slope-area measurement at 10,400 cfs.

Remarks.--Many diversions for irrigation above station. Base for partial-duration series, 170 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	Mar. 8, 1914	5.8	500	1916	Mar. 24, 1916	5.92	486
	Mar. 19, 1914	6.2	558		Mar. 29, 1916	6.24	527
	Apr. 7, 1914	7.24	726		Apr. 3, 1916	7.05	632
	Apr. 23, 1914	5.71	487		Apr. 12, 1916	6.99	625
	June 4, 1914	4.55	325		May 27, 1916	3.77	225
1915	Mar. 26, 1915	3.44	194	1917	Apr. 9, 1917	9.0	1,260

Peak stages and discharges of North Fork Humboldt River at Devils Gate, near Halleck, Nev.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)
1917	Apr. 13, 1917	7.45	877
	Apr. 27, 1917	7.77	954
	May 8, 1917	7.33	848
	May 13, 1917	7.47	882
	May 26, 1917	7.35	853
	July 18, 1917	3.55	188
1918	June 22, 1918	4.40	287
1919	Mar. 24, 1919	6.97	763
	Apr. 13, 1919	4.51	301
	May 25, 1919	4.51	301
1921	Mar. 2 or 3, 1921	10.35	1,600
	Apr. 14, 1921	5.23	407
	May 6, 1921	5.62	467
	May 21, 1921	7.20	818
	May 31, 1921	6.10	566
1944	Mar. 11, 1944	3.34	295
	Mar. 18, 1944	5.27	729
	Apr. 4, 1944	2.73	196
	June 13, 1944	3.79	381
1945	Feb. 14, 1945	3.25	264
	Mar. 13, 1945	4.82	615
	Mar. 23, 1945	3.36	299
	Apr. 1, 1945	2.61	178
	Apr. 8, 1945	2.70	191
	Apr. 22, 1945	4.67	579
	May 6, 1945	4.27	485
	June 8, 1945	4.66	576
	June 24, 1945	3.51	317
1946	Mar. 7, 1946	3.59	334
	Mar. 29, 1946	3.63	336
	Apr. 19, 20 1946	4.35	476
	May 24, 1946	3.62	311
	July 24, 1946	3.27	226
1947	Feb. 16, 1947	2.65	136
1948	June 5, 1948	2.99	215
1949	Apr. 14, 1949	4.92	544
	May 18, 1949	4.88	521
1950	Apr. 2, 1950	3.46	263
	June 10, 1950	-	200
1951	Feb. 6, 1951	6.67	954
	Feb. 11, 1951	5.20	602
	Mar. 9, 1951	3.99	360
	Mar. 15, 1951	4.69	502
1952	Mar. 31, 1952	3.20	178
	Apr. 8, 1952	6.53	825
	Apr. 14, 1952	8.81	1,790
1952	Apr. 20, 1952	9.63	2,450
	May 22, 1952	6.75	832
	June 26, 1952	4.82	356
1953	May 22, 1953	4.20	237
	May 31, 1953	7.72	1,050
	June 16, 1953	4.70	317
1954	Mar. 10, 1954	3.26	106
1955	Mar. 30, 1955	2.41	43
1956	Jan. 17, 1956	4.38	301
	Mar. 26, 1956	8.39	1,200
	May 10, 1956	4.67	323
	May 26, 1956	5.57	503
	June 17, 1956	3.86	184
	July 29, 1956	5.17	449
1957	Feb. 24, 1957	7.52	860
	Mar. 8, 1957	4.64	303
	Apr. 22, 1957	4.19	225
	May 20, 1957	7.04	805
	June 11, 1957	5.68	493
1958	Feb. 17, 1958	6.32	592
	Feb. 25, 1958	6.04	536
	Mar. 22, 1958	5.41	414
	Mar. 30, 1958	4.43	242
	Apr. 19, 1958	7.81	914
	May 14, 1958	5.52	435
	May 26, 1958	5.44	420
	June 12, 1958	4.52	254
1959	Mar. 3, 1959	3.12	69
1960	Mar. 8, 1960	5.08	371
	Mar. 13, 1960	4.49	265
	Mar. 25, 1960	4.83	308
	Apr. 6, 1960	4.47	237
1961	Mar. 15, 1961	4.64	275
1962	Jan. 8, 1962	6.23	574
	Feb. 11, 1962	16.12	10,400
	Mar. 20, 1962	5.22	351
	Mar. 28, 1962	9.39	1,630
	May 16, 1962	5.24	412
	June 17, 1962	5.02	370
	June 19, 1962	6.54	715
1963	Feb. 2, 1963	4.47	288
	May 24, 1963	3.89	199
	June 7, 1963	5.56	488
	June 16, 1963	5.33	442
	June 18, 1963	5.00	379
	June 25, 1963	4.55	295

3180. North Fork Humboldt River near Halleck, Nev.
(Published as "at Peko" 1898-1900, and as "near Elburz" 1903-6)

Location.--Lat 40°56', long 115°33', in SE¼ sec.9, T.35 N., R.57 E., 150 ft downstream from Southern Pacific Railroad bridge, a quarter of a mile upstream from mouth, and 6 miles west of Halleck.

Drainage area.--1,020 sq mi, approximately.

Gage.--Nonrecording. Prior to Oct. 10, 1902, at site 150 ft upstream at different datum. Altitude of gage is 5,170 ft (from river-profile map).

Stage-discharge relation.--Unknown.

Remarks.--Many diversions for irrigation above station. Only annual maximum observed discharges are shown.

Maximum observed discharges of North Fork Humboldt River near Halleck, Nev.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1898	(a)	-	b257	1907	Apr. 19, 1907	-	1,020
1899	Apr. 16, 1899	6.80	1,580	1908	June 20, 1908	-	530
				1909	June 8, 1909	-	502
1905	May 9, 1905	-	57				
				1912	June10-15,1912	-	756
1906	Apr. 11, 1906	-	334	1913	Apr. 3, 1913	-	414

a May 10, 17, 18, 25, 1898.
b Maximum observed during period April to September.

3185. Humboldt River near Elko, Nev.

Location.--Lat 40°56', long 115°38', in NE¼NE¼ sec.11, T.35 N., R.56 E., on right bank 1 mile southwest of Ryndon, 5 miles downstream from North Fork, and 10 miles northeast of Elko.

Drainage area.--2,800 sq mi, approximately.

Gage.--Nonrecording prior to October 1902 at site 11 miles downstream at different datum; recording thereafter. Datum of gage is 5,142.32 ft above mean sea level, datum of 1929.

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Diversions for irrigation above station. Only annual peaks are shown (maximum observed 1896-1902).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1896	June 7, 1896	-	1,850	1951	Feb. 8, 1951	6.92	1,650
1897	May 28, 1897	-	2,400	1952	Apr. 30, 1952	9.60	3,860
1898	Feb.28,Mar.4, 1898	-	565	1953	June 9, 1953	5.06	1,020
				1954	Mar. 12, 1954	3.07	337
1899	June 23-25,1899	-	2,340	1955	June 18, 1955	3.71	414
1900	June 10, 1900	-	945				
				1956	May 30, 1956	7.55	2,180
1901	Feb. 24, 1901	-	2,340	1957	June 12, 1957	7.79	2,250
1902	June 21, 1902	-	1,140	1958	May 28, 1958	6.47	1,620
				1959	Mar. 3, 1959	2.27	142
1945	June 9, 1945	8.96	2,530	1960	June 11, 1960	3.66	453
1946	Apr. 23, 1946	6.53	1,370				
1947	June 3, 1947	4.74	692	1961	June 4, 1961	3.65	309
1948	June 7, 1948	5.68	1,020	1962	Feb. 13, 1962	12.3	7,070
1949	May 21, 1949	6.44	1,380	1963	June 7, 1963	7.25	1,910
1950	June 10, 1950	6.13	1,240				

3190. South Fork Humboldt River near Lee, Nev.

Location.--Lat 40°34', long 115°33', in SE¼ sec.16, T.31 N., R.57 E., on left bank 400 ft downstream from Kleckner Creek and 2½ miles east of Lee.

Drainage area.--54 sq mi, approximately. Mean altitude, 8,570 ft.

Gage.--Recording. Altitude of gage is 5,970 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Base for partial-duration series, 450 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1945	May 10, 1945	3.02	533	1948	May 27, 1948	3.06	529
	June 4, 1945	2.83	461		June 4, 1948	3.00	514
	June 23, 1945	3.70	815				
				1949	May 16, 1949	2.95	482
1946	June 5, 1946	2.86	487		May 28, 1949	3.00	501
					June 11, 1949	3.11	543
1947	May 6, 1947	2.69	414		June 16, 1949	2.88	457

Peak stages and discharges of South Fork Humboldt River near Lee, Nev.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	May 30, 1950	3.45	762	1953	June 12, 1953	3.47	664
	June 22, 1950	2.87	457		June 18, 1953	3.35	610
1951	May 27, 1951	3.81	935	1954	May 19, 1954	2.64	357
	June 17, 1951	3.03	560				
				1955	June 9, 1955	3.31	592
1952	June 5, 1952	3.48	687				

3195. Huntington Creek near Lee, Nev.

Location.--Lat 40°33', long 115°43', in SW¼ sec.19, T.31 N., R.56 E., on right bank 5½ miles upstream from mouth and 6 miles west of Lee.

Drainage area.--770 sq mi, approximately. Mean altitude, 6,410 ft.

Gage.--Recording. Altitude of gage is 5,315 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 530 cfs and extended above on basis of slope-area measurement at 2,160 cfs.

Remarks.--Diversions for irrigation of 17,700 acres above station. Only annual peaks are shown prior to 1962 (peaks above base of 200 cfs thereafter).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1949	May 16, 1949	4.52	532	1959	Feb. 19, 1959	1.38	23
1950	June 8, 1950	3.47	242	1960	May 7, 1960	2.19	72
1951	Feb. 5, 1951	3.78	382	1961	May 31, 1961	3.13	126
1952	Apr. 29, 1952	6.54	1,210	1962	Feb. 10, 1962	7.99	2,160
1953	June 15, 1953	2.51	129		May 17, 1962	3.42	302
1954	Mar. 25, 1954	1.67	37		May 24, 1962	3.76	381
1955	June 11, 1955	2.54	104		May 28, 1962	3.85	404
					June 16, 1962	3.96	432
1956	May 25, 1956	3.98	422	1963	June 5, 1963	4.00	369
1957	June 6, 1957	3.91	388		June 11, 1963	3.43	257
1958	May 26, 1958	3.29	257		June 19, 1963	3.37	246

3200. South Fork Humboldt River above Dixie Creek, near Elko, Nev.

Location.--Lat 40°41'05", long 115°48'45", in NW¼SW¼ sec.5, T.32 N., R.55 E., on left bank 1½ miles upstream from Dixie Creek and 10½ miles south of Elko.

Drainage area.--1,150 sq mi, approximately.

Gage.--Recording. Altitude of gage is 5,140 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 2,000 cfs and extended above on basis of slope-area measurement at 2,760 cfs.

Bankfull stage.--5 ft.

Remarks.--Diversions for irrigation of 32,900 acres above station. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1949	May 17, 1949	4.56	807	1957	June 6, 1957	5.58	1,700
1950	June 2, 1950	4.60	835	1958	May 25, 1958	4.98	1,160
				1959	June 7, 1959	3.43	216
1951	May 28, 1951	5.12	1,240	1960	June 4, 1960	4.11	499
1952	Apr. 29, 1952	5.46	1,700				
1953	June 19, 1953	4.45	731	1961	May 30, 1961	4.35	663
1954	May 21, 1954	3.73	343	1962	Feb. 11, 1962	7.2	2,760
1955	June 11, 1955	4.32	676	1963	June 5, 1963	4.74	1,100
1956	May 25, 1956	5.26	1,360				

3205. South Fork Humboldt River near Elko, Nev.
(Published as "at Mason's ranch" 1896-1902)

Location.--Lat 40°43'25", long 115°49'45", in NE¼NW¼ sec.30, T.33 N., R.55 E., on right bank 0.1 mile upstream from head of canyon, 1.7 miles downstream from highway bridge, 8.8 miles upstream from mouth, and 10 miles southwest of Elko.

Drainage area.--1,310 sq mi, approximately. Mean altitude, 6,330 ft.

Gage.--Nonrecording prior to November 1913 at several sites about 1 mile upstream at various datums. Recording November 1913 to February 1927 near present site at different datums. Nonrecording March 1927 to September 1932 at site 1 mile upstream at different datum; recording thereafter. October 1932 to Oct. 12, 1955, 900 ft upstream at datum 1.97 ft higher. Altitude of gage is 5,100 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,500 cfs and by slope-area measurement at 2,830 cfs.

Remarks.--Many diversions for irrigation above station. Station is below all diversions except those of Hunter & Banks Ranch 3 miles downstream. Only annual peaks are shown prior to 1961 (peaks above base of 410 cfs thereafter)

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1897	May 25, 1897	-	1,330	1937	June 1, 1937	4.00	800
1898	June 18, 1898	-	473	1938	June 6, 1938	3.84	770
1899	June 21, 1899	-	1,370	1939	Mar. 28, 1939	3.19	476
1900	June 10, 1900	-	740	1940	May 16, 1940	3.80	750
1901	Feb. 18-20, 1901	-	1,480	1941	Aug. 8, 1941	5.25	1,560
1902	June 13,14, 1902	-	1,380	1942	May 27, 1942	5.15	1,410
1903	June 11-13, 1903	-	1,170	1943	June 2, 1943	4.55	1,080
1904	May 26, 1904	-	1,180	1944	June 10, 1944	4.31	975
1905	June 17, 1905	-	816	1945	May 11, 1945	5.33	1,440
1906	June 16-24, 1906	-	1,010	1946	Apr. 20, 1946	3.83	740
1907	June 8, 1907	-	1,260	1947	June 1, 1947	3.50	608
1908	June 17, 1908	-	850	1948	June 5, 1948	3.80	736
1909	June 7,8, 1909	-	1,090	1949	May 17, 1949	4.20	910
				1950	May 31, 1950	3.97	848
1911	June 14, 1911	-	856				
1912	June 9,14, 1912	-	1,470	1951	May 29, 1951	4.50	1,120
1913	May 26-30, 1913	-	632	1952	Apr. 29, 1952	5.37	1,700
1914	Jan. 26, 1914	-	a2,400	1953	June 19, 1953	3.63	742
1915	June 10, 1915	-	372	1954	May 21, 1954	2.65	358
				1955	June 10, 1955	3.51	688
1916	June 18, 1916	-	438				
1917	Mar. 28, 1917	-	1,700	1956	May 26, 1956	5.42	1,270
1918	June 21, 1918	-	1,300	1957	June 6, 1957	5.77	1,590
				1958	May 25, 1958	5.15	1,110
1921	May 24, 1921	-	2,070	1959	June 7, 1959	3.21	221
				1960	June 4, 1960	4.03	488
1924	May 18, 1924	-	470				
1925	July 4, 1925	-	1,470	1961	May 30, 1961	4.34	624
					June 9, 1961	4.06	484
1926	May 21, 1926	-	244		July 3, 1961	4.82	882
1927	May 20, 1927	-	885	1962	Feb. 11, 1962	8.00	2,830
1928	May 27, 1928	-	957		May 17, 1962	4.70	772
1929	June 17, 1929	-	990		May 25, 1962	4.89	888
1930	May 29,30, 1930,	-	475		June 16, 1962	5.28	1,150
	June 12,14, 1930				June 23, 1962	4.72	804
				1963	June 6, 1963	5.30	1,190
1931	Mar. 10, 1931	-	51		June 19, 1963	5.02	1,000
1932	June 16, 1932	-	1,490				

a Maximum daily.
Note.--Maximum observed prior to 1914 and for 1932.

3210. Humboldt River near Carlin, Nev.

Location.--Lat 40°43'40", long 116°00'30", in sec.21, T.33 N., R.53 E., on right bank 4½ miles southwest of Moleen, 5 miles upstream from Susie Creek, 5½ miles east of Carlin, and 15 miles southwest of Elko.

Drainage area.--4,310 sq mi, approximately.

Gage.--Recording. Datum of gage is 4,931.91 ft above mean sea level (levels by State Highway Department).

Stage-discharge relation.--Defined by slope-area measurement at 5,900 cfs.

Remarks.--Many diversions for irrigation above station. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1944	June 15, 1944	5.66	1,930	1954	Mar. 28, 1954	2.37	308
1945	June 10, 1945	7.78	3,640	1955	June 16, 1955	3.49	741
1946	Apr. 26,27, 1946	5.61	1,870	1956	May 29, 1956	6.83	2,960
1947	June 2, 1947	4.29	1,080	1957	June 10, 1957	7.22	3,340
1948	June 10, 1948	4.84	1,370	1958	May 30, 1958	5.98	2,260
1949	May 22, 1949	5.51	1,800	1959	June 7, 1959	2.08	225
1950	June 8, 1950	5.24	1,730	1960	June 7, 1960	3.37	679
1951	June 1,2,1951	5.57	2,000	1961	June 9, 1961	3.20	630
1952	May 1, 1952	9.35	5,220	1962	Feb. 14, 1962	10.21	6,160
1953	June 20, 1953	4.83	1,440	1963	June 9, 1963	6.39	2,630

3220. Maggie Creek at Carlin, Nev.

Location.--Lat 40°43'10", long 116°05'40", in sec.26, T.33 N., R.52 E., 700 ft upstream from highway bridge, half a mile upstream from mouth, and half a mile east of Carlin.

Gage.--Nonrecording. Prior to Jan. 20, 1924, at several sites from 100 ft upstream to 600 ft downstream from described site at different datums. Altitude of gage is 4,910 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 250 cfs prior to 1922, below 300 cfs thereafter.

Bankfull stage.--Not subject to overflow.

Remarks.--Only annual maximum observed discharges are shown.

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	Apr. 28, 1914	4.5	394	1920	May 3, 1920	2.08	85
1915	Mar. 29, 1915	2.1	29	1921	Mar. 5, 1921	4.12	416
1916	Apr. 11, 1916	3.09	183	1922	May 7, 1922	4.3	800
1917	Apr. 27, 1917	-	300	1923	May 22, 1923	2.08	a73
1918	Apr. 11, 1918	1.68	31	1924	Apr. 17, 1924	1.46	36
1919	Apr. 6, 1919	2.65	160				

a Maximum observed during period April to September.

3225. Humboldt River at Palisade, Nev.

Location.--Lat 40°36'25", long 116°12'05", in SE¼SE¼ sec.35, T.32 N., R.51 E., on right bank a quarter of a mile downstream from Southern Pacific Railroad bridge, half a mile downstream from Palisade, and three-quarters of a mile upstream from Pine Creek.

Drainage area.--5,010 sq mi, approximately.

Gage.--Nonrecording prior to Apr. 1, 1939, at several sites within half a mile of present site at various datums; recording thereafter. Datum of gage is 4,825.55 ft above mean sea level, datum of 1929.

Stage-discharge relation.--Defined by current-meter measurements.

Historical data.--Maximum stage known, about 17 ft (present datum), about Feb. 28, 1910, from old photographs and statement of local resident (discharge, about 17,000 cfs).

Remarks.--Diversion for irrigation of about 150,000 acres of hay and pasture land above station. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1903	June 13, 1903	-	1,840	1936	Apr. 22, 1936	-	2,290
1904	May 26, June 3, 1904	-	1,835	1937	June 2, 1937	5.16	1,400
				1938	June 8, 1938	5.56	1,660
1905	May 29, 1905	-	1,220	1939	Mar. 27, 1939	5.88	1,900
1906	Apr. 28, 1906	-	2,620	1940	May 30, 1940	4.90	1,210
1912	June 15, 1912	-	2,950	1941	June 12, 1941	6.13	2,110
1913	June 13-15, 1913	-	1,270	1942	Apr. 8, 1942	8.26	4,100
1914	Jan. 25, 1914	-	2,780	1943	Feb. 26, 1943	9.92	6,250
1915	June 12, 1915	-	382	1944	June 15, 1944	5.74	2,000
				1945	June 11, 1945	7.59	3,780
1916	Mar. 21, 1916	-	1,810				
1917	May 30, 1917	-	3,170	1946	Apr. 26, 1946	5.89	2,040
1918	June 23, 1918	-	595	1947	June 2, 1947	4.60	1,110
1919	Mar. 28, 1919	-	1,440	1948	June 9, 1948	5.16	1,530
1920	May 28-31, 1920	-	803	1949	May 22, 1949	5.70	1,960
				1950	June 9, 1950	5.43	1,770
1921	Mar. 5, 1921	-	4,300				
1922	May 9, 1922	-	3,350	1951	Feb. 6, 1951	5.83	2,080
1923	June 8, 1923	-	1,450	1952	May 2, 1952	9.53	6,050
1924	Apr. 18, 1924	-	537	1953	June 20, 1953	5.02	1,460
1925	June 8, 1925	-	2,220	1954	Mar. 29, 1954	3.00	338
				1955	June 17, 1955	3.85	710
1926	Mar. 17, 1926	-	459				
1927	June 20, 1927	-	1,820	1956	May 30, 1956	6.78	2,940
1928	May 27, 1928	-	986	1957	June 10, 1957	7.11	3,420
1929	Apr. 6, 1929	-	1,900	1958	May 30, 1958	6.07	2,300
1930	May 22, 1930	-	794	1959	June 8, 1959	2.51	212
				1960	June 8, 1960	3.68	650
1931	Mar. 24, 1931	-	216				
1932	June 22, 1932	-	2,580	1961	June 10, 1961	3.55	596
1933	June 17, 1933	-	1,330	1962	Feb. 12, 1962	10.0	6,610
1934	Feb. 26, 28, 1934	-	162	1963	June 9, 1963	6.34	2,810
1935	June 15, 1935	-	1,890				

Note.--Maximum observed prior to 1937 and for 1938, 1939.

3230. Pine Creek near Palisade, Nev.

Location.--Lat 40°35'45", long 116°10'25", in NW¼SE¼ sec.1, T.31 N., R.51 E., on right bank 1¼ miles upstream from mouth and 1½ miles southeast of Palisade.

Drainage area.--999 sq mi. Mean altitude, 6,210 ft.

Gage.--Nonrecording prior to Jan. 1, 1946, at site half a mile downstream at different datums; recording thereafter. Jan. 1 to July 18, 1946, at site 1,000 ft downstream at different datum. Altitude of gage is 4,900 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 330 cfs and by slope-area measurement at 1,010 and 3,140 cfs.

Remarks.--Diversions above station for irrigation. Only annual peaks are shown.

Peak stages and discharges of Pine Creek near Palisade, Nev.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1912	Apr. 26, 1912	-	a82	1952	Mar. 27, 1952	4.69	1,010
1913	Dec. 3, 1912	-	a28	1953	Jan. 18, 1953	1.46	24
1914	Jan.25,26, 1914	-	a1,000	1954	Feb. 14, 1954	1.56	23
				1955	Aug. 13, 1955	4.54	788
1946	Feb. 24, 1946	4.0	600				
1947	Feb. 10, 1947	2.01	76	1956	Mar. 4, 1956	2.57	190
1948	Jan. 9, 1948	1.54	28	1957	May 19, 1957	2.85	60
1949	Mar. 19, 1949	2.47	146	1958	Jan. 25, 1958	2.92	67
1950	Apr. 18, 1950	1.84	53				
				1962	Feb. 11, 1962	9.16	3,140
1951	Feb. 5, 1951	3.62	358				

a Maximum observed.

3235. Humboldt River near Argenta, Nev.

Location.--Lat 40°40'45", long 116°38'45", in SE¼NW¼ sec.2, T.32 N., R.47 E., on left bank 3 miles east of Argenta and 15½ miles east of Battle Mountain.

Drainage area.--7,490 sq mi, approximately.

Gage.--Recording. Altitude of gage is 4,580 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 3,000 cfs.

Remarks.--Many diversions above station for irrigation. Records do not include flow in secondary channels or ditches, much of which is used for irrigation. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1946	Apr.27,28, 1946	8.58	1,780	1956	June 3, 1956	9.41	2,430
1947	June 3, 1947	6.02	797	1957	June 13, 1957	9.64	2,680
1948	June 12, 1948	6.62	974	1958	June 3, 1958	7.80	1,810
1949	May 24, 1949	7.86	1,450	1959	Mar. 9, 1959	3.42	153
1950	June 11, 1950	7.58	1,330	1960	Jan. 10, 1960	4.72	462
1951	Feb. 12, 1951	8.16	1,630	1961	June 11, 1961	4.69	436
1952	May 2, 1952	-	a5,700	1962	Feb. 15, 1962	10.78	6,000
1953	June 23, 1953	6.80	1,120	1963	June 24, 1963	8.73	2,200
1954	Mar. 29, 1954	4.14	315				
1955	June 18, 1955	4.91	523				

a Maximum daily.

3245. Rock Creek near Battle Mountain, Nev.

Location.--Lat 40°49', long 116°35', in NE¼ sec.17, T.34 N., R.48 E., on left bank at mouth of canyon, 22 miles northeast of Battle Mountain.

Drainage area.--875 sq mi, approximately. Mean altitude, 5,730 ft.

Gage.--Nonrecording prior to Mar. 26, 1918, at site about 11 miles upstream at different datum; recording thereafter. Mar. 26, 1918, to Jan. 3, 1946, at present site at different datum; Altitude of gage is 4,600 ft (estimated from nearby U.S. Coast and Geodetic Survey bench mark).

Stage-discharge relation.--Defined by current-meter measurements below 2,500 cfs and extended above on basis of slope-area measurement at 4,800 cfs.

Remarks.--Several diversions for irrigation in valleys upstream. Station is above all diversions in Boulder Flat and below all tributaries. Flow slightly affected by small reservoir in Squaw Valley, 30 miles upstream. Only annual peaks are shown.

Peak stages and discharges of Rock Creek near Battle Mountain, Nev.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1896	May 31, 1896	-	a1,130	1951	Feb. 4, 1951	4.08	1,200
				1952	Apr. 7, 1952	5.60	3,000
1918	June 19-25, 1918	-	350	1953	June 4, 8, 1953	1.59	73
1919	Mar. 21, 1919	-	700	1954	Mar. 11, 1954	1.21	38
1920	Apr. 20, 1920	-	212	1955	Mar. 11, 1955	1.91	141
1921	Feb. 11, 1921	-	2,750	1956	Jan. 15, 1956	2.99	500
1922	Apr. 24, 1922	-	851	1957	May 20, 1957	3.50	785
1923	Apr. 7, 1923	-	292	1958	Apr. 23, 1958	2.88	445
				1959	Feb. 1, 1959	.99	24
1946	Mar. 24, 1946	2.37	230	1960	Mar. 8, 1960	2.30	253
1947	Feb. 11, 1947	2.32	213				
1948	Mar. 25, 1948	2.00	134	1961	Mar. 31, 1961	1.47	68
1949	Apr. 9, 1949	2.27	194	1962	Feb. 11, 1962	6.89	4,800
1950	Mar. 31, 1950	2.74	363	1963	Feb. 2, 1963	3.69	1,070

a Maximum daily.

3250. Humboldt River at Battle Mountain, Nev.

Location.--Lat 40°39'15", long 116°55'10", in NE¼NE¼ sec.17, T.32 N., R.45 E., on left bank 1 mile northeast of Battle Mountain. Reese River enters Humboldt River several miles below station.

Drainage area.--8,870 sq mi, approximately.

Gage.--Nonrecording prior to Mar. 1, 1921, 1,500 ft upstream and Mar. 1, 1921, to Apr. 19, 1924, 900 ft downstream, both at different datums; recording thereafter. Altitude of gage is 4,500 ft (from topographic map).

Stage-discharge relation.--Determined by current-meter measurements.

Remarks.--Records do not include flow in secondary channels or ditches, much of which is used for irrigation. Many diversions above station for irrigation. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1896	June 21, 1896	8.40	3,001	1952	May 3, 1952	-	a5,800
1897	June 2, 1897	8.80	3,130	1953	June 26, 1953	6.65	896
				1954	Mar. 30, 1954	3.85	304
1921	June 19, 1921	9.58	1,560	1955	June 19, 1955	4.30	403
1922	May 10-13, 1922	9.15	1,560				
1923	June 23, 1923	7.53	1,070	1956	June 5, 1956	9.18	1,560
				1957	June 16, 1957	9.50	1,580
1946	Apr. 24, 1946	8.90	1,500	1958	June 7, 1958	8.89	1,400
1947	June 2, 1947	5.65	675	1959	Mar. 7, 1959	3.18	155
1948	June 15, 1948	6.62	909	1960	June 9, 1960	4.56	396
1949	May 30, 1949	7.83	1,180				
1950	June 14, 1950	7.54	1,170	1961	June 12, 1961	5.26	643
				1962	Feb. 17, 1962	9.66	4,600
1951	Feb. 15, 1951	8.16	1,370	1963	June 27, 1963	9.29	4,500

a Maximum daily.
Note.--Maximum observed discharges prior to 1946.

3255. Reese River near Ione, Nev.

Location.--Lat 38°51', long 117°28', in NE¼ sec.3, T.11 N., R.40 E., on right bank 2½ miles upstream from Indian Creek, 8 miles southeast of Ione, and 58 miles southwest of Austin.

Drainage area.--44 sq mi, approximately. Mean altitude, 8,820 ft.

Gage.--Recording, and since Oct. 3, 1956, concrete control. Prior to Sept. 9, 1955, at site 200 ft upstream at datum 2.85 ft higher. Altitude of gage is 7,350 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 45 cfs and by slope-area measurements at 512 cfs.

Remarks.--No diversion above station. Base for partial-duration series, 130 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1952	Apr. 6, 1952	2.42	160	1958	May 11, 1958	2.02	210
	Apr. 25, 1952	2.76	213		May 24, 1958	2.08	223
	Apr. 28, 1952	3.07	266				
	May 3, 1952	2.85	222	1959	Nov. 23, 1958	.72	12
1953	July 9, 1953	1.17	28	1960	May 15, 1960	.76	12
1954	Apr. 5, 1954	1.20	27	1961	Aug. 12, 1961	2.07	221
1955	June 16, 1955	1.01	18	1962	Feb. 11, 1962	2.02	210
					Apr. 7, 1962	1.85	171
1956	July 27, 1956	4.86	512		Apr. 19, 1962	1.69	137
					May 9, 1962	1.72	143
1957	June 5, 1957	1.43	80				
				1963	Apr. 30, 1963	.88	22
1958	Apr. 20, 1958	2.29	274				

3270. Humboldt River near Valmy, Nev.

Location.--Lat 40°48', long 117°04', in NE¼NW¼ sec.30, T.34 N., R.44 E., on left bank 3½ miles east of Valmy and 13 miles northwest of Battle Mountain.

Drainage area.--11,400 sq mi, approximately.

Gage.--Recording. Altitude of gage is 4,440 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Diversions above station for irrigation. Flow bypassing station at high stages not included in this report. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	June 15, 1950	6.57	910	1954	Mar. 31, 1954	3.09	273
				1955	June 20, 1955	3.27	314
1951	Feb. 18, 1951,	7.12	1,050				
	June 11, 1951			1956	June 7, 1956	7.73	1,250
1952	May 5, 1952	-	a5,800	1957	June 20, 1957	8.10	a1,320
1953	June 30, 1953	5.53	729	1958	June 9, 1958	7.51	1,190

a Maximum daily.

3275. Humboldt River at Comus, Nev.
(Published as "near Golconda" prior to 1918)

Location.--Lat 41°00", long 117°19', in SE¼ sec.14, T.36 N., R.41 E., on left bank at Comus siding of Southern Pacific Railroad, 9 miles northeast of Golconda and 32 miles northwest of Battle Mountain.

Drainage area.--12,100 sq mi, approximately.

Gage.--Nonrecording prior to Sept. 25, 1917, at several sites about 10 miles downstream at different datums, and Sept. 25, 1917, to June 30, 1923, and May 23, 1925, to May 31, 1926, at several sites within half a mile of present site at different datum; recording thereafter. Datum of gage is 4,359.9 ft above mean sea level (from Soil Conservation Service reference mark).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Diversions above station for irrigation. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1895	Apr. 5, 1895	-	1,040	1921	June 24, 1921	-	3,880
				1922	May 17, 1922	-	2,970
1896	June 30, 1896	-	1,610	1923	June 22, 1923	-	910
1897	May 3, 1897	-	3,100				
1898	Mar. 15, 1898	-	485	1925	June 18, 1925	-	1,180
1899	May 4, 1899	-	2,230				
1900	June15,16, 1900	-	464	1926	Mar. 20, 1926	-	354
1901	Mar. 8, 1901	-	3,080	1946	May 3, 1946	7.09	1,400
1902	June 23, 1902	-	523	1947	Feb. 15, 1947	3.10	535
1903	June 27, 1903	-	740	1948	June 17, 1948	5.78	748
1904	Apr. 16, 1904	-	1,060	1949	June 3, 1949	6.83	952
1905	May 30, 1905	-	356	1950	June 19, 1950	6.55	889
1906	Apr. 25, 1906	-	1,420	1951	Feb. 21, 1951	7.15	1,030
1907	Apr. 8, 1907	-	3,160	1952	May 6, 1952	11.52	5,860
1908	July 2, 1908	-	880	1953	June 24, 1953	6.03	642
1909	June 19, 1909	-	900	1954	Mar. 30, 1954	3.77	268
				1955	June 25, 1955	3.60	243
1911	Apr. 1, 1911	-	799				
1912	June 30, 1912	-	1,240	1956	June 10, 1956	-	1,200
1913	June 26, 1913	-	680		June 12, 1956	8.10	-
1914	Mar. 30, 1914	-	1,730	1957	June 24, 1957	9.21	1,540
1915	Apr. 6, 1915	-	352	1958	June 12, 1958	8.39	1,270
				1959	Jan. 12, 1959	3.24	170
1916	Apr. 23, 1916	-	1,320	1960	Apr. 30, 1960	4.27	357
1917	May 31, 1917	-	1,950				
1918	Apr. 4, 1918	-	312	1961	June 21, 1961	4.32	372
1919	Apr. 10, 1919	-	1,250	1962	Feb. 21, 1962	9.91	1,740
1920	June 22, 1920	-	234	1963	July 3, 1963	9.39	1,530

Note.--Maximum observed prior to 1946. Maximum discharge frequently occurs on several days during year. Only date of first occurence is shown.

3285. Little Humboldt River at Chimney damsite, near Paradise Valley, Nev.

Location.--Lat 41°24', long 117°11', in NE¼ sec.36, T.41 N., R.42 E., at Chimney damsite, 300 ft downstream from confluence of North and South Forks and 25 miles east of Paradise Valley.

Drainage area.--715 sq mi, approximately. Mean altitude, 5,770 ft.

Gage.--Recording. Altitude of gage is 4,580 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 360 cfs and by slope-area measurement at 4,000 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges of Little Humboldt River at Chimney damsite, near Paradise Valley, Nev.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1942	Apr. 5, 1942	6.46	244	1947	Feb. 14, 1947	3.21	76
1943	Jan. 22, 1943	14.4	4,000	1948	Apr. 19, 1948	4.02	112
1944	Apr. 30, 1944	3.26	83	1949	May 17, 1949	4.79	161
1945	Feb. 2, 1945	9.65	560	1950	Apr. 4, 1950	4.36	132
1946	Apr. 4, 1946	4.69	148				

3290. Little Humboldt River near Paradise Valley, Nev.

Location.--Lat 41°25', long 117°22', in SE¼ sec.20, T.41 N., R.41 E., on right bank 3½ miles downstream from Bullshed Ranch and 9½ miles southeast of Paradise Valley.

Drainage area.--1,030 sq mi, approximately.

Gage.--Recording. Prior to Nov. 21, 1946, at site 1 mile downstream at different datum. Altitude of gage is 4,470 ft (from river-profile map).

Stage-discharge relation.--1922-28: Defined by current-meter measurements below 150 cfs.
1944-46: Defined by current-meter measurements throughout range.
1946-63: Defined by current-meter measurements below 390 cfs and by float measurement at 852 cfs.

Bankfull stage.--In canyon; not subject to overflow.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1922	May 8, 1922	9.30	331	1951	Mar. 24, 1951	2.65	129
1923	Feb. 20, 1923	4.35	52	1952	Feb. 2, 1952	7.71	1,100
				1953	June 7, 1953	2.15	57
1925	Mar. 20, 1925	-	36	1954	Apr. 21, 1954	1.76	19
1926	Mar. 7, 1926	-	66	1955	May 26, 1955	1.88	28
1927	Feb. 23, 1927	12.1	500				
				1956	Mar. 27, 1956	2.72	154
1944	May 5, 1944	3.09	47	1957	May 14, 1957	3.11	182
1945	Feb. 2, 1945	9.31	250	1958	Apr. 19, 1958	5.49	482
				1959	Apr. 8, 1959	1.66	21
1946	Apr. 22, 1946	5.37	108	1960	Mar. 28, 1960	2.10	64
1947	Feb. 15, 1947	2.23	48				
1948	June 4, 1948	2.34	62	1961	Apr. 8, 1961	1.76	27
1949	May 20, 1949	2.59	103	1962	Apr. 9, 1962	4.67	369
1950	Apr.25, May 2, 1950	2.43	85	1963	June 19, 1963	2.02	54

3295. Martin Creek near Paradise Valley, Nev.

Location.--Lat 41°32'00", long 117°25'40", in NW¼SW¼ sec.12, T.42 N., R.40 E., on left bank 0.6 mile upstream from Humboldt County Recreation Park and 7 miles northeast of Paradise Valley.

Drainage area.--172 sq mi. Mean altitude, 6,210 ft.

Gage.--Recording. Prior to Oct. 22, 1946, at several sites within 400 ft of present site at different datums. Altitude of gage is 4,700 ft (from extension of river-profile map).

Stage-discharge relation.--Defined by slope-area measurement at 9,000 cfs.

Remarks.--Only annual peaks are shown prior to 1962; peaks above 100 cfs thereafter.

Peak stages and discharges of Martin Creek near Paradise Valley, Nev.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1922	May 19, 1922	-	275	1946	Dec. 28, 1945	1.99	269
1923	May 21, 1923	-	101	1947	Feb. 12, 1947	2.67	296
1924	Feb. 8, 1924	-	74	1948	Jan.7or8, 1948	2.50	201
1925	Feb. 4, 1925	-	550	1949	Apr. 12, 1949	2.57	209
				1950	Mar. 19, 1950	3.17	262
1926	Mar. 4, 1926	-	220				
1927	Feb.21,22, 1927	-	2,000	1951	Feb. 7, 1951	3.98	470
				1952	Apr. 6, 1952	5.55	955
1929	May 24, 1929	-	82	1953	May 29, 1953	2.81	174
1930	May 1930	-	85	1954	Mar. 9, 1954	2.71	177
				1955	Mar. 7, 1955	2.27	87
1931	Mar. 18, 1931	-	106				
1932	Mar. 19, 1932	-	420	1956	Jan. 15, 1956	5.49	1,200
1933	Aug. 18, 1933	-	570	1957	Feb. 25, 1957	4.21	684
				1958	Feb. 25, 1958	7.30	1,940
1935	May 31, 1935	-	242	1959	Apr. 4, 1959	1.92	71
				1960	Mar. 7, 1960	3.01	265
1936	Apr. 23, 1936	-	200				
1937	Apr. 15, 1937	-	247	1961	Aug. 6, 1961	4.44	780
1938	Apr. 19, 1938	11.0	1,000	1962	Feb. 10, 1962	4.21	672
1939	Mar. 20, 1939	3.90	330		Mar. 19, 1962	2.62	182
1940	Feb. 27, 1940	4.09	441		Mar. 27, 1962	4.50	808
					Apr. 7, 1962	4.25	708
1941	Mar. 1, 1941	3.73	361				
1942	Mar. 31, 1942	3.90	400	1963	Jan. 31, 1963	7.40	3,770
1943	Jan. 21, 1943	11.1	9,000		Apr. 6, 1963	1.83	115
1944	May 10, 1944	1.36	145		Apr. 30, 1963	2.04	151
1945	Feb. 2, 1945	5.00	1,500		June 14, 1963	1.79	108
					June 17, 1963	2.33	210

3300. Cottonwood Creek near Paradise Valley, Nev.

Location.--Lat 41°33', long 117°35', in SW¼ sec.3, T.42 N., R.39 E., 5 miles northwest of Paradise Valley.

Gage.--Nonrecording. Prior to Apr. 7, 1927, at site 75 ft downstream at different datum.

Stage-discharge relation.--Defined by current-meter measurements below 51 cfs.

Remarks.--Records for Mar. 12 to June 23, 1934, furnished by Little Humboldt River water commissioner. Only maximum observed discharges are shown.

Maximum observed discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1926	May 4, 1926	-	22	1931	Nov. 16, 1930	4.45	18
1927	Apr. 26, 1927	-	75	1932	Mar. 19, 1932	5.80	183
1928	Mar. 25, 1928	-	120	1933	June 2, 1933	4.55	22
1929	May 23, 1929	-	21	1934	Mar. 30, 1934	-	22
1930	(a)	-	18				

a May 27, 29, Aug. 6, 7, 1930.

3305. Cottonwood Creek at Paradise Valley, Nev.

Location.--Lat 41°31'00", long 117°32'30", in NW¼ sec.25, T.42 N., R.39 E., on right bank at highway bridge, 300 ft west of Paradise Valley Post Office.

Drainage area.--57.4 sq mi, approximately. Mean altitude, 5,940 ft.

Gage.--Recording.

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual peaks are shown.

Peak stages and discharges of Cottonwood Creek at Paradise Valley, Nev.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1945	Feb. 14, 1945	2.16	253	1949	Mar. 15, 1949	1.56	73
				1950	Mar. 19, 1950	3.16	794
1946	Dec. 28, 1945	2.14	264				
1947	Apr. 16, 1947	.74	16	1951	Feb. 7, 1951	3.06	720
1948	Jan. 8, 1948	1.52	88				

3315. Humboldt River near Rose Creek, Nev.

Location.--Lat 40°52'05", long 117°59'45", in SE¼NW¼ sec.36, T.35 N., R.35 E., on right bank 5½ miles southwest of Rose Creek and 15½ miles southwest of Winnemucca.

Drainage area.--15,200 sq mi, approximately.

Gage.--Recording. Altitude of gage is 4,200 ft (from U.S. Department of Agriculture Soil Conservation Service levels).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Many diversions above station for irrigation. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1948	June 24, 1948	4.86	708	1956	June 26, 1956	5.06	950
1949	June 2, 1949	4.66	639	1957	July 1, 1957	5.52	1,140
1950	June 26,27, 1950	4.75	684	1958	May 2, 1958	5.59	1,170
				1959	Mar. 21, 1959	2.68	230
1951	Mar. 2, 1951	4.90	747	1960	May 2, 1960	2.48	203
1952	May 8, 1952	11.41	5,810				
1953	Mar. 27, 1953	4.18	644	1961	June 14, 1961	2.47	205
1954	Apr. 3, 1954	2.79	278	1962	June 18, 1962	5.62	1,160
1955	June 27, 1955	2.50	214	1963	July 10, 1963	5.73	1,710

3330. Humboldt River near Imlay, Nev.

Location.--Lat 40°41'30", long 118°12'10", in SW¼SE¼ sec.25, T.33 N., R.33 E., on right bank 1 mile upstream from Old Calahan Dam and 4 miles northwest of Imlay.

Drainage area.--15,700 sq mi, approximately.

Gage.--Recording. Prior to Apr. 28, 1945, at site 1 mile downstream at different datum. Apr. 28, 1945, to Aug. 20, 1947, at datum 1 ft higher. Altitude of gage is 4,130 ft (from Geological Survey vertical-angle bench mark).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Humboldt-Lovelock Irrigation, Light & Power Co.'s feeder canal diverts water from river above station to Pitt-Taylor Reservoirs. This water is ordinarily released during irrigation season through Rye Patch Reservoir to Humboldt River for irrigation in Lovelock district. Flow affected by many other diversions above station for irrigation. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1936	June 4, 1936	-	564	1945	May 31, 1945	9.49	a2,220
1937	Apr. 6, 1937	-	405				
1938	June 9, 1938	-	480	1946	May 15, 1946	-	a1,210
1939	Apr. 21, 1939	-	497	1947	June 20, 1947	4.52	382
1940	June 18, 1940	-	363	1948	June 25, 1948	4.25	430
				1949	June 6, 1949	5.46	644
1941	July 8, 1941	-	588	1950	July 2, 1950	5.49	648

a Maximum daily.

Peak stages and discharges of Humboldt River near Imlay, Nev.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1951	Mar. 4, 1951	5.90	736	1958	June 23, 1958	7.09	1,060
1952	May 9, 1952	12.15	6,080	1959	Mar. 23, 1959	2.83	178
1953	Mar. 28, 1953	4.90	538	1960	Apr. 8, 1960	2.66	171
1954	Apr. 4, 1954	3.26	276				
1955	June 28, 1955	2.46	152	1961	June 16, 1961	2.36	136
				1962	June 19, 1962	7.18	1,070
1956	June 30, 1956	6.48	882	1963	July 13, 1963	7.32	1,130
1957	July 5, 1957	7.08	1,040				

3350. Humboldt River near Rye Patch, Nev.
(Published as "near Oreana" prior to 1935)

Location.--Lat 40°28'00", long 118°18'20", in SE¼NE¼ sec.18, T.30 N., R.33 E., on left bank 1,000 ft downstream from Rye Patch Dam and 1½ miles northwest of Rye Patch.

Drainage area.--16,100 sq mi, approximately.

Gage.--Recording or nonrecording prior to Oct. 1, 1935, at several sites about 7 miles downstream at different datums; recording thereafter. Oct. 1, 1935, to Oct. 13, 1945, at site half a mile downstream at different datum. Datum of gage is 4,068.53 ft above mean sea level (levels by Bureau of Reclamation).

Stage-discharge relation.--Defined by current-meter measurements.

Bankfull stage.--Not subject to overflow.

Remarks.--Flow regulated by Rye Patch Reservoir. Only annual peaks are shown (maximum observed prior to 1914).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1896	July 10, 1896	-	1,510	1931	May 11, 1931	-	117
1897	May 12, 1897	12.0	3,050				
1898	Mar. 9, 1898	-	642	1936	May 26, 1936	-	477
				1937	May 19, 1937	-	568
1900	Dec. 25, 1899	-	561	1938	May 21, 1938	-	a451
				1939	Apr. 29, 1939	-	a491
1901	Mar. 17, 1901	-	2,620	1940	May 21, 1940	-	a414
1902	July 9, 1902	-	511				
1903	June 30, 1903	-	580	1941	May 21-26, 1941	-	a460
1904	May 2, 1904	-	950				
1905	Jan. 1, 1905	-	440	1944	July 31 to Aug. 4, 1944	-	a390
1906	June 6, 1906	-	1,010	1945	June 19-23, 1945	-	2,000
1907	May 4, 1907	-	2,220				
1908	July 15, 1908	-	670	1946	Apr. 29, 1946	-	a1,730
1909	July 1, 1909	-	680	1947	July 13, 1947	-	a554
				1948	July 16, 1948	-	a481
1911	Apr. 13-16, 1911	-	760	1949	June 12, 1949	-	a612
1912	July 8, 1912	-	1,240	1950	July 23, 1950	-	a605
1913	July 23, 1913	-	1,270				
1914	May 2, 1914	7.00	a2,000	1951	July 19, 1951	-	589
1915	May 1, 1915	2.65	322	1952	May 11, 1952	10.26	4,720
				1953	Apr. 27, 1953	3.81	595
1916	May 2, 1916	4.44	793	1954	July 7, 1954	3.69	584
1917	June 7, 1917	7.13	1,910	1955	May 29, 1955	2.76	359
1918	June 21, 1918	3.56	551				
1919	May 29, 1919	5.65	1,280	1956	May 4, 1956	4.04	758
1920	Aug. 26, 1920	2.00	185	1957	May 7, 1957	3.92	797
				1958	July 9, 1958	4.08	824
1921	July 2, 1921	6.89	1,980	1959	July 2, 1959	3.95	713
1922	May 27, 1922	7.50	2,280	1960	May 3, 1960	2.91	410
1927	June 16, 1927	3.05	370	1961	May 2, 1961	3.46	611
				1962	May 7, 1962	3.88	778
1928	Apr. 13, 1928	3.32	498	1963	May 9, 1963	3.61	611
1930	Aug. 12, 1930	2.10	230				

a Maximum daily.

3360. Humboldt River near Lovelock, Nev.

Location.--Lat 40°03'05", long 118°28'05", in SE¼NW¼ sec.11, T.25 N., R.31 E., on right bank 900 ft downstream from breached dam of Lovelock Land and Development Co. and 9 miles south of Lovelock.

Drainage area.--16,600 sq mi, approximately.

Gage.--Recording. Prior to September 1927, 600 ft downstream at different datum; 1950-51, 300 ft upstream at same datum. Altitude of gage is 3,900 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Bankfull stage.--8 ft.

Remarks.--Peak flow affected by irrigation in Lovelock Valley and regulation by Rye Patch Reservoir since Feb. 20, 1936. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1912	July 12, 1912	-	640	1927	-	-	0
1913	June 13, 1913	-	323				
1914	May 4, 1914	5.15	1,450	1950	July 26, 1950	3.92	b50
1915	Mar. 5, 1915	1.34	270				
				1951	July 24, 1951	4.27	60
1916	Mar. 17, 1916	1.29	257	1952	May 19, 1952	9.36	3,540
1917	June 19, 1917	5.40	a1,170	1953	Mar. 19, 1953	2.69	109
1918	Feb. 24, 1918	1.74	255	1954	Aug. 24, 1954	3.28	188
1919	-	-	0	1955	June 20, 1955	1.38	6.3
1920	-	-	0				
				1956	June 18, 1956	3.16	64
1921	July 6, 1921	5.51	1,540	1957	Oct. 7, 1956	3.47	130
1922	May 29, 1922	5.90	1,700	1958	July 9, 1958	3.78	119
				1959	Oct. 5, 1958	3.17	104
1925	-	-	0				
1926	Feb. 19, 1926	-	a172				

a Maximum observed.
b Maximum discharge during period June to September.

PYRAMID AND WINNEMUCCA LAKES BASIN

3375. Truckee River at Tahoe City, Calif.
(Published as at "Tahoe, Calif." prior to 1962)

Location.--Lat 39°10'00", long 120°08'40", in NE¼NW¼ sec.7, T.15 N., R.17 E., at Tahoe City, on left bank 510 ft downstream from dam at outlet of Lake Tahoe.

Drainage area.--507 sq mi.

Gage.--Nonrecording prior to Oct. 1, 1937; recording thereafter. Prior to Nov. 12, 1912, at site 370 ft upstream at different datum. Nov. 12, 1912, to Aug. 21, 1957, at datum 2.26 ft higher, and Aug. 22, 1957, to July 10, 1960, at datum 2.42 ft higher, both at site 270 ft upstream. Datum of gage is 6,216.75 ft above mean sea level, datum of 1929.

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Lake Tahoe. Records for January 1944 to August 1957 furnished by Truckee-Carson Irrigation District and Federal Court Watermaster. Only annual peaks are shown (maximum daily prior to 1958).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1901	Aug. 11, 1901	-	555	1908	Oct. 1, 1907	-	1,210
1902	Aug. 14, 1902	-	445	1909	June 20, 1909	-	869
1903	Sept. 3, 1903	-	426	1910	Jan. 2, 1910	-	898
1904	June 19, 1904	-	931				
1905	Oct. 20, 1904	-	790	1911	July 20, 1911	-	861
				1912	Dec. 29, 1911	-	617
1906	Aug. 18, 1906	-	831	1913	Aug. 25, 1913	-	520
1907	July 13, 1907	-	1,340	1914	July 4, 1914	-	618

Peak stages and discharges of Truckee River at Tahoe City, Calif.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1915	Nov. 24, 1914	-	652	1939	July 23, 1939	-	490
				1940	July 30, 1940	-	428
1916	Mar. 5, 1916	-	1,010				
1917	Oct. 21, 1916	-	1,160	1941	Sept.21, 1941	-	468
1918	July 23, 1918	-	725	1942	June 25, 1942	-	1,413
1919	June 28, 1919	-	725	1943	Jan. 30, 1943	-	1,819
1920	Aug. 11, 1920	-	518	1944	Aug. 23, 1944	-	481
				1945	Aug. 4, 1945	-	457
1921	Aug. 17, 1921	-	465				
1922	Aug. 21, 1922	-	487	1946	Aug. 3, 1946	-	419
1923	Aug. 12, 1923	-	490	1947	Sept.14, 1947	-	429
1924	Jan. 3, 1924	-	402	1948	July 26, 1948	-	436
1925	July 31, 1925	-	476	1949	July 21, 1949	-	456
	Aug. 1, 1925	-	476	1950	Sept.18, 1950	-	388
1926	June 23, 1926	-	384	1951	Dec. 23, 1950	-	1,198
1927	Sept.24, 1927	-	429	1952	Jan. 25, 1952	-	1,597
1928	July 17, 1928	-	490	1953	June 24, 1953	-	1,602
1929	Oct. 1, 1928	-	315	1954	Sept. 2, 1954	-	455
1930	Sept. 5, 1930	-	304	1955	Aug. 6, 1955	-	544
1931	Oct. 1, 1930	-	59	1956	Mar. 2, 1956	-	1,336
1932	July 16, 1932	-	172	1957	June 6, 1957	-	1,325
1933	June 28, 1933	-	50	1958	Apr. 5, 1958	7.30	1,870
1934	July 23, 1934	-	288	1959	July 18, 1959	4.47	503
1935	Oct. 12, 1934	-	51	1960	July 25, 1960	4.92	558
1936	Aug. 6, 1936	-	471	1961	October 1960	4.37	393
1937	Aug. 5, 1937	-	466	1962	July 20, 1962	4.76	463
1938	July 28, 1938	-	505	1963	Feb. 1, 1963	3.52	196

Note.--Maximum daily discharges frequently occur on several days. Only first day of occurence is shown.

3380. Truckee River near Truckee, Calif.

Location.--Lat 39°17'30", long 120°12'30", in SW¼NE¼ sec.28, T.17 N., R.16 E., on left bank 1.4 miles upstream from Donner Creek and 2.5 miles southwest of Truckee.

Drainage area.--552 sq mi.

Gage.--Recording prior to 1962; crest-stage gage thereafter. Altitude of gage is 5,860 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 2,400 cfs and extended above on basis of slope-area measurements at 6,480 cfs and 8,140 cfs.

Bankfull stage.--7 ft.

Remarks.--Flow regulated by Lake Tahoe (operating capacity, 744,600 acre-ft). Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1945	Feb. 2, 1945	3.34	1,110	1954	Mar. 9, 1954	3.88	1,540
				1955	Aug. 8, 1955	2.51	552
1946	Apr. 25, 1946	2.95	838				
1947	Nov. 23, 1946	2.70	677	1956	Dec. 23, 1955	7.92	7,760
1948	Oct. 16, 1947	2.75	708	1957	June 5, 1957	4.24	2,040
1949	May 14, 1949	-	671	1958	May 18, 1958	5.31	2,920
1950	Jan. 22, 1950	a5.00	700	1959	Sept.18, 1959	2.58	576
				1960	Feb. 8, 1960	3.38	1,190
1951	Nov. 20, 1950	7.62	6,480				
1952	June 5, 1952	5.08	2,640	1961	Oct. 1, 1960	2.25	390
1953	June 23, 1953	4.40	1,990	1963	Feb. 1, 1963	9.25	11,000

a Backwater from ice.

3385. Donner Creek at Donner Lake, near Truckee, Calif.

Location.--Lat 39°19'25", long 120°14'00", in SW¼NW¼ sec.17, T.17 N., R.16 E., on left bank 10 ft downstream from bridge on Donner Memorial State Park road, 0.2 mile downstream from Donner Lake Outlet, 0.7 mile upstream from Cold Creek, and 2½ miles west of Truckee.

Drainage area.--14.5 sq mi.

Gage.--Nonrecording Nov. 1, 1909, to Aug. 31, 1910, at different datum; recording thereafter. January 1929 to December 1957, at same site at unknown datum. Altitude of gage is 5,930 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements at present site and datum.

Remarks.--Records prior to October 1958 furnished by Federal Court Watermaster in cooperation with Truckee-Carson Irrigation District. Flow regulated by dam at outlet of Donner Lake (usable capacity, 9,500 acre-ft). Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1910	Nov. 25, 1909	-	a121	1946	May 11, 1946	-	b170
				1947	May 4, 1947	-	b146
1931	May 26, 1931	-	b102	1948	Feb. 9, 1948	-	b151
1932	May 22, 1932	-	b300	1949	May 17-20,1949	-	b102
1933	May 31, 1933	-	b221	1950	May 29, 1950	-	a224
1934	Mar. 30, 1934	-	b244				
1935	May 23, 1935	-	a228	1951	Nov. 21, 1950	-	bc700
				1952	May 29, 1952	-	b278
1936	June 7, 1936	-	b303				
1937	May 16, 1937	-	b151	1956	Dec. 29, 1955	-	b289
1938	Dec. 11, 1937	-	a600	1957	May 19, 1957	-	b375
1939	Apr. 30, 1939	-	a204				
1940	Apr. 15, 1940	-	b345	1959	Apr. 14, 1959	3.76	408
				1960	Apr. 7, 1960	2.95	215
1941	May 10, 1941	-	b301				
1942	May 13, 1942	-	b251	1961	Sept. 9, 1961	2.48	118
1943	Sept. 4, 1943	-	a206	1962	May 6, 1962	3.05	234
1944	May 23, 1944	-	b146	1963	Feb. 7, 1963	3.63	381
1945	May 6, 1945	-	b248				

a Maximum observed.
b Maximum daily.
c Estimated.

3390. Donner Creek near Truckee, Calif.

Location.--Lat 39°19'15", long 120°12'10", in SE¼ sec.16, T.17 N., R.16 E., 1 mile downstream from Cold Creek, 1.5 miles southwest of Truckee, and 2 miles downstream from Donner Lake.

Drainage area.--30 sq mi, approximately.

Gage.--Nonrecording prior to Sept. 30, 1915; recording thereafter. Prior to Sept. 12, 1909, at site 40 ft upstream at different datum. Altitude of gage is 5,850 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Donner Lake. Records for 1928-43, furnished by Truckee-Carson Irrigation District and Federal Court Watermaster. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1903	May 13, 1903	-	a478	1910	Dec. 1, 1909	-	a862
1904	May 22, 1904	-	a709				
1905	Apr. 27, 1905	-	a290	1911	June 13, 1911	-	a670
				1912	June 3, 1912	-	a350
1906	May 21, 1906	-	a698	1913	Aug. 12, 1913	-	a278
1907	Mar. 18, 1907	5.5	b980	1914	June 2, 1914	-	b510
1908	Apr. 20, 1908	-	a224	1915	May 13, 1915	-	b518
1909	Jan. 16, 1909	-	a812				

a Maximum daily. b Maximum observed.

Peak stages and discharges of Donner Creek near Truckee, Calif.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1928	May 10, 1928	-	323	1936	June 7, 1936	-	a653
1929	May 20, 1929	-	a266	1937	May 29, 1937	-	a387
1930	May 21, 1930	-	a287	1938	Dec. 11, 1937	6.2	1,800
				1939	Apr. 7, 1939	-	a276
1931	May 3, 1931	-	a152	1940	Mar. 30, 1940	4.82	1,137
1932	May 15, 1932	3.47	a541				
1933	May 30, 1933	-	474	1941	May 11, 1941	3.40	540
1934	Mar. 29, 1934	-	a415	1942	Apr. 25, May 25, 1942	3.34	519
1935	May 26, 1935	-	a470	1943	May 1, 1943	3.18	463

a Maximum daily.

3394. Martis Creek near Truckee, Calif.

Location.--Lat 39°20'20", long 120°07'00", in SE¼NW¼ sec.8, T.17 N., R.17 E., on left bank three-quarters of a mile upstream from mouth and 3½ miles northeast of Truckee.

Drainage area.--40.8 sq mi.

Gage.--Recording. Altitude of gage is 5,700 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 500 cfs and extended above on basis of slope-area measurement at 1,880 cfs.

Bankfull stage.--Not subject to overflow.

Remarks.--Base for partial-duration series, 170 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Jan. 9, 1959	2.79	176	1962	Apr. 12, 1962	2.97	209
	Feb. 16, 1959	3.05	232				
				1963	Oct. 14, 1962	3.59	387
1960	Feb. 8, 1960	3.73	436		Feb. 1, 1963	6.16	1,790
	Mar. 7, 1960	3.08	239		Apr. 7, 1963	3.36	331
	Mar. 27, 1960	2.81	170		May 8, 1963	2.87	194
					May 24, 1963	2.77	172
1961	Jan. 31, 1961	2.34	98		May 28, 1963	2.81	180
1962	Feb. 9, 1962	3.59	394				

3397. Prosser Creek at Hobart Mills, Calif.

Location.--Lat 39°24'00", long 120°12'00", in NE¼NE¼ sec.21, T.18 N., R.16 E., on left bank 0.8 mile west of Hobart Mills, 3 miles upstream from Alder Creek, and 5 miles north of Truckee.

Drainage area.--27.4 sq mi.

Gage.--Recording prior to Jan. 5, 1963, 40 ft upstream at different datum; nonrecording read monthly thereafter. Altitude of gage is 5,840 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 240 cfs and extended above on basis of slope-area measurements at 1,880 cfs and 4,920 cfs.

Bankfull stage.--Not subject to overflow.

Remarks.--Base for partial-duration series, 200 cfs.

Peak stages and discharges of Prosser Creek at Hobart Mills, Calif.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Jan. 10, 1959	2.93	262	1962	Feb. 10, 1962	3.15	360
	May 12, 1959	2.55	200		Apr. 15, 1962	3.19	352
					May 4, 1952	3.19	340
1960	Feb. 8, 1960	3.77	521		May 22, 1962	2.62	203
	Mar. 7, 1960	2.71	251		June 2, 1962	2.82	249
	Mar. 27, 1960	2.62	230				
	Apr. 9, 1960	2.85	285	1963	Oct. 13, 1962	4.65	1,170
	May 11, 1960	2.77	266		Dec. 16, 1962	3.22	340
	June 2, 1960	2.74	259		Feb. 1, 1963	7.9	4,920
					May 6, 1963a	-	b400
1961	Feb. 10, 1961	2.67	244		May 21, 1963a	-	b350
	Apr. 3, 1961	2.60	225		May 28, 1963a	-	b450
	May 20, 1961	2.57	218				

a About. b Estimate.

3399. Alder Creek near Truckee, Calif.

Location.--Lat 39°22'10", long 120°10'50", in SE¼NE¼ sec.34, T.18 N., R.16 E., on right bank 2 miles upstream from mouth and 2½ miles north of Truckee.

Drainage area.--7.36 sq mi.

Gage.--Recording. Altitude of gage is 5,800 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 36 cfs and extended above on basis of culvert measurement at 730 cfs.

Bankfull stage.--6 ft.

Remarks.--Base for partial-duration series, 25 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1959	Jan. 10, 1959	2.29	37	1962	Apr. 9, 1962	3.19	77
1960	Feb. 8, 1960	2.74	a59	1963	Oct. 13, 1962	3.58	221
	Mar. 27, 1960	2.19	29		Jan. 31, 1963	5.86	730
	Apr. 9, 1960	2.28	38		Apr. 7, 1963	2.40	59
					May 5, 1963	2.73	114
1961	Apr. 3, 1961	2.82	34		May 23, 1963	2.38	57
					June 17, 1963	2.13	30
1962	Feb. 9, 1962	2.76	33				

a About.

3400. Prosser Creek near Truckee, Calif.
(Published as "near Hobart Mills" prior to 1911)

Location.--Lat 39°22'45", long 120°09'00", in SW¼ sec.25, T.18 N., R.16 E., at highway bridge, 200 ft downstream from Alder Creek, 2 miles upstream from mouth, and 4 miles north of Truckee.

Drainage area.--48 sq mi, approximately.

Gage.--Nonrecording. Prior to June 1, 1911, in vicinity of described site at different datums. Altitude of gage is 5,650 ft (from topographic map).

Stage-discharge relation.--Unknown.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1904	Feb. 24, 1904	5.1	a1,100	1910	Nov. 21, 1909	5.3	b900
1908	June 12, 1908	4.1	b221	1911	June 5, 1911	4.9	b675
1909	Jan. 16, 1909	5.8	a1,360	1912	May 12, 1912	3.2	c123

a Maximum observed. b Maximum daily. c Maximum observed prior to June 1, 1912.

3405. Prosser Creek near Boca, Calif.

Location.--Lat 39°22'10", long 120°07'10", in SW¼NW¼ sec.32, T.18 N., R.17 E., on left bank a quarter of a mile upstream from mouth and 2 miles southwest of Boca.

Drainage area.--53.5 sq mi. Mean altitude, 6,670 ft.

Gage.--Recording. October 1942 to December 1950 at different datum. June 1951 to September 1956 at datum 2.00 ft higher. Datum of gage is 5,572.66 ft above mean sea level (levels by Bureau of Reclamation).

Stage-discharge relation.--Defined by current-meter measurements below 910 cfs and by slope-area measurement at 4,560 cfs.

Remarks.--Records for October 1942 to December 1950, not published by Geological Survey prior to listing in WSP 1734, furnished by Federal Court Watermaster in cooperation with Bureau of Reclamation, for "Prosser Creek near confluence with Truckee River." Base for partial-duration series, 300 cfs. Only annual peaks are shown prior to 1951.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	Jan. 21, 1943	-	a472	1956	Jan. 16, 1956	2.31	800
1944	Jan. 7, 1944	-	433		Apr. 9, 1956	1.39	345
1945	May 4, 1945	-	635		Apr. 24, 1956	1.83	506
					May 4, 1956	2.35	765
1946	Apr. 26, 1946	-	a467		May 23, 1956	2.54	860
1947	May 3, 1947	-	a228				
1948	Apr. 17, 1948	-	a290	1957	Feb. 25, 1957	-	360
1949	May 15, 1949	-	a347		May 5, 1957	3.20	300
1950	May 25,28,1950	-	a420		May 18, 1957	5.29	1,300
					June 2, 1957	3.60	430
1951	Nov. 20, 1950	b11.0	4,320				
				1958	Feb. 25, 1958	3.86	515
1952	Apr. 7, 1952	3.26	325		Apr. 21, 1958	3.94	580
	May 2, 1952	5.14	1,130		May 10, 1958	4.48	850
	May 20, 1952	4.66	872		May 18, 1958	4.74	980
	June 24, 1952	3.56	412		June 19, 1958	3.57	420
1953	Jan. 10, 1953	3.96	557	1959	Jan. 12, 1959	3.11	264
	Apr. 27, 1953	4.72	903				
	May 19, 1953	3.86	518	1960	Feb. 8, 1960	-	860
	June 7, 1953	3.41	366		Mar. 7, 1960	3.43	360
	June 19, 1953	3.71	463		Mar. 27, 1960	3.53	396
					Apr. 9, 1960	3.43	360
1954	Mar. 9, 1954	5.18	1,150				
	Apr. 22, 1954	3.46	381	1961	Feb. 10, 1961	3.26	312
	May 9, 1954	3.47	384				
	May 19, 1954	3.24	319	1962	Apr. 15, 1962	4.22	640
					Apr. 27, 1962	3.78	431
1955	May 12, 1955	3.36	357		May 5, 1962	3.85	461
	May 22, 1955	3.33	349				
				1963	Jan. 31, 1963	c6.59	-
1956	Dec. 23, 1955	b10.1	4,560		Feb. 6, 1963	6.14	1,520
	Dec. 26, 1955	2.18	700				

a Maximum daily. b Present datum. c Backwater from ice.

3420. Little Truckee River near Hobart Mills, Calif.

Location.--Lat 39°30'05", long 120°16'35", in NE¼NE¼ sec.14, T.19 N., R.15 E., on right bank half a mile upstream from Independence Creek and 7½ miles northwest of Hobart Mills.

Drainage area.--36.6 sq mi. Mean altitude, 7,220 ft.

Gage.--Recording. Prior to Nov. 9, 1962, at datum 0.15 ft higher. Altitude of gage is 6,290 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,100 cfs and by slope-area measurements at 7,010 and 7,910 cfs.

Remarks.--Base for partial-duration series, 500 cfs.

Peak stages and discharges of Little Truckee River near Hobart Mills, Calif.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1947	May 2, 1947	3.91	569	1955	May 12, 1955	3.68	503
					May 20, 1955	3.92	605
1948	May 17, 1948	-	600				
	May 27, 1948	4.28	699	1956	Dec. 23, 1955	6.82	5,690
	June 4, 1948	-	516		May 4, 1956	3.93	665
	June 9, 1948	-	539		May 23, 1956	4.73	1,130
					June 10, 1956	3.87	635
1949	May 14, 1949	4.30	706				
				1957	May 18, 1957	5.23	1,570
1950	May 18, 1950	-	608		June 2, 1957	4.10	770
	May 24, 1950	4.49	792				
				1958	May 10, 1958	4.33	830
1951	Nov. 20, 1950	7.53	7,010		May 23, 1958	4.78	1,100
	Dec. 3, 1950	5.75	1,740		June 18, 1958	3.89	645
	Dec. 8, 1950	5.09	1,120				
	Dec. 14, 1950	3.95	581	1959	May 12, 1959	2.88	289
	May 11, 1951	3.88	526				
				1960	Apr. 9, 1960	3.24	390
1952	May 2, 1952	4.52	744				
	June 8, 1952	5.30	1,050	1961	May 10, 1961	2.84	284
	June 23, 1952	4.69	725				
				1962	May 8, 1962	3.78	592
1953	Apr. 27, 1953	4.91	895				
	May 19, 1953	4.83	830	1963	Oct. 12, 1962	4.45	990
	June 6, 1953	4.62	690		Feb. 1, 1963	7.76	7,910
	June 19, 1953	5.00	880		May 5, 1963	3.81	564
					May 21, 1963	4.42	815
1954	Apr. 22, 1954	3.86	563		May 28, 1963	4.80	1,080
	May 8, 1954	4.20	695		June 14, 1963	4.29	835

3430. Independence Creek near Truckee, Calif.
(Published as "below Independence Lake" 1902-7)

Location.--Lat 39°27'10", long 120°17'20", in SW¼ sec.35, T.19 N., R.15 E., 75 ft downstream from Independence Lake Outlet, 4½ miles upstream from mouth, and 10 miles northeast of Truckee.

Drainage area.--8.4 sq mi, approximately.

Gage.--Nonrecording. Prior to July 1, 1904, at site about 600 ft downstream at approximately same datum. Altitude of gage is 6,940 ft (from topograhic map).

Stage-discharge relation.--Unknown.

Remarks.--Flow regulated by Independence Lake (usable capacity, 17,300 acre-ft in 1950). Only annual maximum observed discharges are showr.

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1903	May 13, 1903	3.10	154	1907	June 23, 1907	3.9	a286
1904	May 25,26,1904	3.42	203				
1905	May 2-5, 1905	3.5	232	1910	Nov. 25, 1909	-	187
1906	June 25, 1906	3.85	268				

a Maximum observed prior to June 31, 1907.

3435. Sagehen Creek near Truckee, Calif.

Location.--Lat 39°25'50", long 120°14'10", in NE¼NE¼ sec.7, T.18 N., R.16 E., on left bank 2.2 miles upstream from bridge on State Highway 89 and 7.5 miles north of Truckee.

Drainage area.--10.9 sq mi. Mean altitude, 7,130 ft.

Gage.--Recording and concrete control. Altitude of gage is 6,320 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 70 cfs and by slope-area measurement at 495 cfs.

Remarks.--Base for partial-duration series, 50 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1954	Mar. 9, 1954	-	71	1958	July 17, 1958	2.76	61
	Apr. 22, 1954	2.21	72				
	Apr. 27, 1954	-	66	1959	Apr. 5, 1959	2.48	38
1955	May 8, 1955	2.75	59	1960	Feb. 8, 1960	2.80	66
					Apr. 9, 1960	2.69	56
1956	Dec. 23, 1955	4.28	495				
	Jan. 15, 1956	2.86	72	1961	Apr. 3, 1961	2.28	27
	Apr. 24, 1956	3.08	99				
	May 3, 1956	3.49	173	1962	Apr. 15, 1962	2.71	57
	May 22, 1956	3.36	145		Apr. 23, 1962	2.87	73
					May 8, 1962	2.87	68
1957	May 18, 1957	3.64	212				
				1963	Oct. 14, 1962	3.42	153
1958	Apr. 21, 1958	2.72	55		Feb. 1, 1963	4.64	765
	May 9, 1958	3.53	178		Feb. 4, 1963	3.44	164
	May 18, 1958	3.66	212		May 5, 1963	3.14	111
	June 18, 1958	2.92	76		May 28, 1963	3.35	147

3444. Little Truckee River above Boca Reservoir, near Boca, Calif.
(Published as "at Pine Station" June 1903 to December 1907 and as "at Starr" January 1908 to October 1910)

Location.--Lat 39°26'10", long 120°05'00", in SW¼SW¼ sec.3, T.18 N., R.17 E., on left bank 1 mile upstream from Boca Reservoir, 1½ miles upstream from Dry Creek, and 3½ miles north of Boca.

Drainage area.--146 sq mi.

Gage.--Nonrecording June 1903 to October 1910, at different sites and datums; recording and concrete control thereafter. Datum of gage is 5,618.67 ft above mean sea level (Bureau of Reclamation bench mark).

Stage-discharge relation.--Defined by current-meter measurements below 1,600 cfs and extended above on basis of slope-area measurements at 4,170 and 13,300 cfs.

Bankfull stage.--Not subject to overflow.

Remarks.--Records prior to October 1957 furnished by Federal Court Watermaster in cooperation with Washoe County Conservation District. Only annual peaks are shown prior to 1958. Base for partial-duration series, 500 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1904	Apr. 14, 1904	4.56	a1,809	1941	May 25, 1941	-	b1,140
1905	Apr. 29, 1905	2.85	a760	1942	May 25, 1942	-	b1,380
				1943	May 2, 1943	-	b960
1906	May 11, 1906	3.69	a1,350	1944	May 8, 1944	-	b788
1907	Mar. 18, 1907	4.05	a1,560	1945	May 4, 1945	-	b1,000
1908	Apr. 21, 1908	2.4	a573				
1909	Jan.15,16,1909	4.8	a1,920	1946	Apr. 18, 1946	-	b935
1910	Mar. 19, 1910	3.75	a1,240	1947	Feb. 12, 1947	-	b522
				1948	June 10, 1948	-	b599
1940	May 12, 1940	-	b1,440	1949	May 14, 1949	-	b788

a Maximum observed. b Maximum daily.

Peak stages and discharges of Little Truckee River above Boca Reservoir, near Boca, Calif.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1950	Apr. 21, 1950	-	b1,040	1960	Feb. 8, 1960	3.02	1,430
					Mar. 27, 1960	2.31	670
1951	Nov. 20, 1950	-	b5,000		Apr. 8, 1960	2.23	606
1952	May 2, 1952	-	b2,200				
1953	May 19, 1953	-	b698	1961	June 6, 1961	1.76	325
1954	Apr. 23, 1954	-	b528				
1955	May 8, 1955	-	b575	1962	Apr. 14, 1962	2.88	1,290
					May 6, 1962	2.28	670
1956	Dec. 23, 1955	-	9,500				
1957	May 18, 1957	-	b1,120	1963	Oct. 13, 1962	4.33	4,100
					Feb. 1, 1963	9.00	13,300
1958	Feb. 24, 1958	2.17	569		Feb. 5, 1963	3.07	1,490
	Apr. 21, 1958	3.11	1,540		Apr. 7, 1963	2.35	726
	May 5, 1958	3.19	1,650		May 6, 1963	2.66	1,020
	May 19, 1958	3.16	1,610		May 22, 1963	2.80	1,160
	June 19, 1958	2.52	860		May 29, 1963	3.40	1,960
					June 15, 1963	2.62	962
1959	Jan. 12, 1959	1.88	390				

b Maximum daily.

3445. Little Truckee River at Boca, Calif.

Location.--Lat 39°23'10", long 120°05'40", in NE¼NW¼ sec.28, T.18 N., R.17 E., on right bank 800 ft upstream from mouth and 1,000 ft downstream from Boca Dam, and a third of a mile northwest of Boca.

Drainage area.--172 sq mi.

Gage.--Nonrecording prior to Sept. 30, 1915, at site 650 ft downstream at different datum. January 1939 to September 1957, records computed from daily log of rated settings of needle valve in dam, and from computed flow over spillway; recording thereafter. Altitude of gage is 5,500 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,400 cfs and extended above by logarithmic plotting.

Remarks.--Records prior to October 1958 furnished by Federal Court Watermaster in cooperation with Washoe County Conservation District. Flow regulated by Boca Reservoir (capacity, 40,900 acre-ft), Independence Lake (capacity, about 17,500 acre-ft), and one transmountain diversion to Sierra Valley. Only annual peaks are shown (maximum observed prior to 1955 and for 1957).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1890	May 6, 1890	-	2,870	1949	May 6-8, 1949	-	375
				1950	Apr. 28, 1950	-	850
1911	Apr. 26, 1911	4.9	2,260				
1912	June 6, 1912	2.55	659	1951	Nov. 20, 1950	-	5,000
1913	May 18, 1913	2.6	688	1952	May 4, 1952	-	2,516
1914	Apr. 15, 1914	4.9	2,360	1953	May 8-26, 1953	-	750
1915	May 12, 1915	3.9	1,600	1954	May 10, 1954	-	450
				1955	June 3, 1955	-	333
1940	May 13, 1940	-	1,330				
1941	May 27,28,1941	-	680	1956	Dec. 24, 1955	-	8,800
1942	Apr.16-18,1942	-	1,100	1957	June 2, 1957	-	587
1943	Apr. 21, 1943	-	834	1958	May 14, 1958	5.15	1,590
1944	Aug. 18, 1944	-	457	1959	July 8, 1959	3.29	460
1945	May 15, 1945	-	1,400	1960	July 22, 1960	3.43	526
1946	Apr. 20 to May 2, 1946	-	799	1961	Aug. 3, 1961	2.73	306
				1962	May 5,9, 1962	4.17	877
1947	Jan.17,18,1947	-	435	1963	Feb. 2, 1963	6.16	2,590
1948	June 10, 1948	-	595				

3460. Truckee River at Farad, Calif.
(Published as "at or near Nevada-California State line" 1899-1912 and as "at Iceland" 1913-37)

Location.--Lat 39°25'41", long 120°01'59", in NE¼ sec.12, T.18 N., R.17 E., on left bank 0.7 mile downstream from Farad powerplant, 2.5 miles north of Floristan, 3.5 miles downstream from Bronco Creek, and 3.5 miles upstream from California-Nevada State line.

Drainage area.--932 sq mi.

Gage.--Nonrecording prior to Aug. 1, 1912; recording thereafter. Sept. 7, 1899, to May 31, 1909, at approximately present site at different datum. June 1, 1909, to July 31, 1912, at site about 2½ miles downstream at different datum. Aug. 1, 1912, to Dec. 31, 1937, at site 4.1 miles upstream at different datum. Jan. 1, 1938, to Aug. 27, 1957, at approximately present site at datum 1.0 ft higher. Datum of gage is 5,153.21 ft above mean sea level (Bureau of Reclamation bench mark).

Stage-discharge relation.--Defined by current-meter measurements below 5,600 cfs and by slope-area measurement at 17,500 cfs.

Historical data.--Maximum flood known, that of Nov. 21, 1950.

Remarks.--Flow regulated by Lake Tahoe, Boca Reservoir, Donner and Independence Lakes, and by several powerplants. Records for January 1944 to August 1957, furnished by Federal Court Watermaster in cooperation with Truckee-Carson Irrigation District. Base for partial-duration series, 1,600 cfs. Only annual peaks are shown prior to 1958.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1900	May 11, 1900	-	a1,885	1937	Apr.15,May 14, 1937	-	a2,340
1901	May 12, 1901	-	a4,370	1938	Dec. 11, 1937	-	15,500
1902	Apr. 19, 1902	-	a3,596	1939	Apr. 8, 1939	-	a857
1903	Mar. 30, 1903	-	a3,211	1940	Mar. 30, 1940	7.70	7,120
1904	Feb. 24, 1904	-	a6,730				
1905	Apr. 26, 1905	-	a2,090	1941	May 13, 1941	4.57	2,518
				1942	June 6, 1942	5.50	3,425
1906	May 7, 1906	-	a5,410	1943	Jan. 22, 1943	7.40	6,260
1907	Mar. 18, 1907	-	a15,300	1944	May 6, 1944	-	1,694
1908	Apr. 21, 1908	-	a1,870	1945	May 10, 1945	-	3,357
1909	Jan. 16, 1909	-	a8,110				
1910	Mar. 19, 1910	-	a3,890	1946	Apr. 28, 1946	-	3,085
				1947	Feb. 12, 1947	-	a1,253
1911	Apr. 26, 1911	-	a5,830	1948	June 9, 1948	-	a1,780
1912	May 15,June 4, 1912	-	a2,230	1949	May 14, 1949	-	a1,539
				1950	May 28, 1950	-	a2,607
1913	May 18, 1913	-	a1,875				
1914	Apr. 15, 1914	-	a4,280	1951	Nov. 21, 1950	b14.5	17,500
1915	May 12, 1915	-	a4,470	1952	May 3, 1952	-	a6,874
				1953	June 19, 1953	-	a3,048
1916	Apr. 10, 1916	-	a4,370	1954	Mar. 9, 1954	-	a2,203
1917	June 10, 1917	-	a3,650	1955	June 8, 1955	-	a1,254
1918	Apr.10,23,1918	-	a2,070				
1919	May 2, 1919	-	a4,370	1956	Dec. 23, 1955	-	14,400
1920	May 21, 1920	-	a2,030	1957	June 6, 1957	-	a3,276
1921	May 14, 1921	-	a2,100	1958	Feb. 25, 1958	5.22	2,200
1922	May 7, 1922	-	a4,670		May 19, 1958	8.41	6,360
1923	May 11, 1923	-	a2,620		June 19, 1958	5.44	2,460
1924	Feb. 8, 1924	-	a767				
1925	Feb. 6, 1925	-	a3,430	1959	Jan. 12, 1959	3.76	1,050
1926	Apr. 30, 1926	-	a1,590	1960	Feb. 8, 1960	5.10	2,180
1927	Apr. 27, 1927	-	a3,700				
1928	Mar. 25, 1928	-	a12,000	1961	May 21, 1961	3.40	876
1929	June 16, 1929	-	a1,480				
1930	Apr. 23, 1930	-	a1,720	1962	Apr. 19, 1962	4.88	1,880
					Apr. 28, 1962	4.77	1,800
1931	Mar. 18, 1931	-	a888		May 6, 1962	5.40	2,420
1932	May 13, 1932	-	a2,950				
1933	May 30, 1933	-	a2,010	1963	Oct. 14, 1962	6.22	3,310
1934	Mar. 29, 1934	-	a2,500		Feb. 1, 1963	11.61	11,900
1935	Apr. 29, 1935	-	a2,640		Apr. 7, 1963	4.91	1,870
					May 8, 1963	5.47	2,390
1936	Apr. 18, 1936	-	a3,314		May 30, 1963	6.29	3,110

a Maximum daily.
b At present datum.

3473. Dog Creek near Verdi, Nev.

Location.--Lat 39°33'55", long 120°01'25", in SW¼SW¼ sec.30, T.20 N., R.18 E., on left bank 3½ miles upstream from mouth and 4 miles northwest of Verdi.

Drainage area.--16.2 sq mi.

Gage.--Recording and concrete control. Altitude of gage is 5,660 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 250 cfs.

Bankfull stage.--Not subject to overflow.

Remarks.--Base for partial-duration series, 40 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1957	Feb. 24, 1957	1.58	157	1960	Feb. 8, 1960	1.92	256
	May 18, 1957	.95	41		Mar. 7, 1960	1.43	122
	May 29, 1957	1.32	99		Mar. 13, 1960	1.00	46
					Mar. 27, 1960	.95	40
1958	Feb. 24, 1958	2.75	550				
	Apr. 17, 1958	2.13	322	1961	Feb. 2, 1961	.70	16
	May 5, 1958	1.22	81				
1959	Mar. 12, 1959	.92	35				

3480. Truckee River at Reno, Nev.

Location.--Lat 39°31'55", long 119°47'05", in NW¼ sec.7, T.19 N., R.20 E., on left bank 400 ft downstream from Kietzke Lane bridge, half a mile east of Reno, and 5 miles upstream from Steamboat Creek.

Drainage area.--1,067 sq mi.

Gage.--Nonrecording prior to October 1946, at sites 1 to 1½ miles upstream at different datums; recording thereafter. Datum of gage is 4,431.97 ft above mean sea level (levels by Corps of Engineers).

Stage-discharge relation.--Defined by current-meter measurements below 14,000 cfs.

Remarks.--Flow regulated by Lake Tahoe, Boca Reservoir, Donner and Independence Lakes, and by several powerplants. Many diversions above station. Records for October 1919 to December 1946, partly furnished by Federal Court Watermaster in cooperation with U.S. Reclamation Service. Only annual peaks are shown (maximum observed prior to 1920, maximum daily 1920-31).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1907	Mar. 18, 1907	-	14,600	1925	(b)	-	1,200
1908	Apr. 13, 1908	-	1,660				
1909	Jan. 16, 1909	-	8,540	1926	Apr. 6, 1926	-	1,647
1910	Mar. 19, 1910	-	3,360				
				1931	Mar. 19, 1931	-	759
1911	Apr. 26, 1911	-	6,060	1932	May 14, 1932	-	2,590
1912	May 16,June 4, 1912	-	1,570	1933	May 31, 1933	-	1,480
				1934	Mar. 29, 1934	-	1,790
1913	Apr.27,May 18, 1913	-	1,520				
				1947	Feb. 12, 1947	4.58	1,840
1914	Dec. 31, 1913	-	7,520	1948	June 9, 1948	4.42	1,700
1915	May 13, 1915	-	3,900	1949	May 15, 1949	4.20	1,510
				1950	May 28, 1950	5.45	2,620
1916	Apr. 11, 1916	-	5,020				
1917	Apr. 26, 1917	-	3,680	1951	Nov. 21, 1950	13.83	19,900
1918	Apr. 23, 1918	-	2,040	1952	May 3, 1952	9.38	7,950
1919	May 1, 1919	-	4,060	1953	June 20, 1953	6.52	3,430
1920	May 20, 1920	-	2,070	1954	Mar. 9, 1954	6.74	3,700
				1955	June 9, 1955	4.02	1,020
1921	(a)	-	2,200				

a Mar. 18, May 14, 15, Sept. 7, 1921.
b May 17, 22, 27, 1925.

Peak stages and discharges of Truckee River at Reno, Nev.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1956	Dec. 23, 1955	13.63	20,800	1961	Apr. 4, 1961	3.24	661
1957	May 19, 1957	6.97	4,100	1962	May 6, 1962	5.08	2,060
1958	May 20, 1958	8.10	6,090	1963	Feb. 1, 1963	13.28	18,400
1959	Feb. 17, 1959	3.89	1,050				
1960	Feb. 8, 1960	5.63	2,620				

3485. Franktown Creek at Franktown, Nev.

Location.--Lat 39°16', long 119°51', in sec.9, T.16 N., R.19 E., on right bank a mile west of Franktown and 3 miles upstream from Washoe Lake.

Drainage area.--14 sq mi, approximately. Mean altitude, 7,410 ft.

Gage.--Recording. Gage destroyed by flood Dec. 3 or 4, 1950; reestablished May 21, 1951, at same site at different datum. Altitude of gage is 5,200 ft (from topographic map).

Stage-discharge relation.--Defined by slope-area measurement at 800 cfs.

Remarks.--Base for partial-duration series, 50 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1948	Apr. 20, 1948	-	58	1951	Dec. 3, 1950	-	800
	Apr. 25, 1948	-	59				
	Apr. 27, 1948	-	63	1952	May 1, 1952	3.22	164
	May 6, 1948	2.37	65		May 20, 1952	2.91	117
1949	Feb. 7, 1949	-	61	1953	Jan. 9, 1953	2.49	76
	Apr. 18, 1949	-	59		Apr. 27, 1953	3.33	188
	Apr. 23, 1949	2.58	81		May 15, 1953	2.32	55
	May 14, 1949	-	70		May 28, 1953	2.29	52
					June 6, 1953	2.47	67
1950	Jan. 22, 1950	-	66				
	Mar. 19, 1950	-	62	1954	Mar. 9, 1954	3.09	130
	Apr. 2, 1950	-	61		Apr. 27, 1954	2.52	61
	Apr. 22, 1950	-	93				
	May 16, 1950	-	66	1955	Mar. 28, 1955	2.17	44
	June 15, 1950	3.55	165				

3500. Truckee River at Vista, Nev.

Location.--Lat 39°31'05", long 119°40'58", in NW¼NE¼ sec.13, T.19 N., R.20 E., on left bank 800 ft downstream from Southern Pacific Railroad bridge, 0.9 mile southeast of Vista, 1½ miles downstream from Steamboat Creek, and 4 miles southeast of Sparks.

Drainage area.--1,429 sq mi.

Gage.--Nonrecording prior to Apr. 16, 1907, at several sites in vicinity of present site at various datums; recording thereafter. May to December 1907, reference point on railroad bridge. January 1932 to December 1954, October 1958 to Aug. 17, 1959, at site 1,200 ft upstream at datum 5.89 ft higher. Datum of gage is 4,368.33 ft above mean sea level, datum of 1929, supplementary adjustment of 1956.

Stage-discharge relation.--Defined by current-meter measurements below 5,000 cfs and extended above on basis of slope-area measurement of 21,300 cfs.

Bankfull stage.--Not subject to overflow.

Historical data.--Flood of Dec. 23, 1955, probably equaled or exceeded that of Mar. 18, 1907.

Remarks.--Records prior to January 1955 furnished by Federal Court Watermaster. Flow regulated by Lake Tahoe, Boca Reservoir, and other lakes (combined capacity, 800,000 acre-ft). Only annual peaks are shown prior to 1959 (maximum observed prior to 1907, maximum daily 1907-54). Base for partial-duration series, 1,800 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1900	May 3,8,10,11, 1900	4.60	1,477	1946	Apr. 26, 1946	-	2,460
				1947	Nov. 23, 1946	-	1,220
				1948	June 9, 1948	-	1,500
1901	May 11, 1901	-	4,213	1949	May 14, 1949	-	1,600
1902	Apr. 6, 1902	7.00	4,336	1950	May 29, 1950	-	2,330
1903	Mar. 31, 1903	8.00	5,650				
1904	Apr. 15, 1904	10.70	8,940	1951	Nov. 21, 1950	-	8,750
1905	Oct. 12, 1904	6.80	2,055	1952	May 4, 1952	-	7,090
				1953	June 20, 1953	-	3,050
1906	May 7, 1906	9.9	5,470	1954	Mar. 10, 1954	-	1,400
1907	Mar. 18, 1907	-	a10,000				
				1959	Feb. 17, 1959	5.34	1,810
1933	May 30, 1933	-	1,600				
1934	Mar. 29, 1934	-	1,730	1960	Feb. 8, 1960	6.68	2,850
1935	Apr. 29, 1935	-	2,510				
				1961	June 2, 1961	4.02	1,170
1936	Apr.18,23,1936	-	3,070				
1937	Apr. 15, 1937	-	2,370	1962	Feb. 10, 1962	5.28	1,900
1938	Dec. 12, 1937	-	9,760		Apr. 15, 1962	5.70	1,950
1939	Mar. 23, 1939	-	868		May 6, 1962	6.06	2,160
1940	Apr. 1, 1940	-	4,100		May 9, 1962	5.86	2,030
1941	May 12, 1941	-	1,930	1963	Oct. 14, 1962	8.86	4,660
1942	June 6, 1942	-	3,140		Feb. 1, 1963	16.76	21,300
1943	Jan. 22, 1943	-	7,680		Apr. 7, 1963	5.69	2,180
1944	May 8, 1944	-	1,290		May 9, 1963	6.23	2,570
1945	Feb. 2, 1945	-	2,910		May 30, 1963	7.51	3,780

a About.

Note.--Discharges are maximum observed prior to 1907, maximum daily means 1907-54.

3505. Truckee River at Clarks, Nev.
(Published as "at Derby Dam" prior to August 1910)

Location.--Lat 39°34', long 119°30', in SE¼ sec.26, T.20 N., R.22 E., at highway bridge at Clarks and 18 miles east of Reno.

Drainage area.--1,740 sq mi, approximately.

Gage.--Nonrecording. Prior to Aug. 1, 1910, about 2 miles downstream at different datum. Altitude of gage is 4,270 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Flow regulated by Lake Tahoe, Boca Reservoir, Donner and Independence Lakes, and by several powerplants. Records furnished by Bureau of Reclamation, 1915. Only annual maximum observed discharges are shown.

Maximum observed stages and discharges of Truckee River at Clarks, Nev.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1907	July 4, 1907	8.7	a3,620	1912	May 15, June 4, 5, 6, 1912	4.6	1,510
1908	Mar. 26, 1908	6.2	1,620				
1909	Jan. 17, 1909	14.00	b9,080	1913	May 29, 1913	4.9	1,750
1910	Nov. 21, 1909	9.5	4,300	1914	Jan. 1, 1914	-	7,760
				1915	May 13, 1915	7.40	4,320
1911	Apr. 27, 1911	8.2	5,310				

a Maximum observed during period July to September.
b Corrected.

3516. Truckee River below Derby Dam, near Wadsworth, Nev.

Location.--Lat 39°35'05", long 119°26'25", in NW¼SE¼ sec.19, T.20 N., R.23 E., on right bank 1,500 ft downstream from Derby Dam, 3¼ miles downstream from Clark, and 9 miles southwest of Wadsworth.

Drainage area.--1,670 sq mi.

Gage.--Recording. Altitude of gage is 4,200 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 3,700 cfs and extended above on basis of slope-area measurement at 18,400 cfs.

Bankfull stage.--10 ft.

Remarks.--Records prior to October 1958 furnished by Truckee-Carson Irrigation District in cooperation with Sierra Pacific Power Co. Flow regulated by Lake Tahoe, Boca Reservoir, other lakes, powerplants, and by Derby Dam. Truckee Canal diverts water at Derby Dam out of basin to Lohontan Reservoir. Only annual maximum daily discharges are shown prior to 1961.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1909	Jan. 17, 1909	-	a8,040	1940	Mar. 31, 1940	-	4,610
1910	Apr. 19, 1910	-	a2,250				
				1941	May 28, 1941	-	1,450
1916	Apr. 11, 1916	-	a3,880	1942	June 7, 1942	-	2,670
				1943	Jan. 22, 1943	-	7,570
1918	Apr. 10, 1918	-	a1,900	1944	Mar. 13, 1944	-	b664
1919	May 3, 1919	-	2,790	1945	Feb. 2, 1945	-	2,390
1920	Apr. 16, 1920	-	1,190				
				1946	Apr. 29, 1946	-	1,810
1921	Mar. 19, 1921	-	2,040	1947	Jan. 6, 1947	-	545
1922	May 7, 1922	-	3,750	1948	June 10, 1948	-	632
1923	Apr. 18, 1923	-	2,960	1949	May 15, 1949	-	632
1924	Feb. 8, 1924	-	748	1950	May 28, June 1, 1950	-	1,330
1925	Feb. 7, 1925	-	2,890				
1926	Apr. 6, 1926	-	964	1951	Nov. 22, 1950	-	b9,180
1927	May 17,18,1927	-	3,090	1952	May 4, 1952	-	6,240
1928	Mar. 28, 1928	-	b12,000	1953	June 20, 1953	-	3,050
1929	June 17, 1929	-	381	1954	Mar. 9, 1954	-	2,050
1930	Dec. 13, 1929	-	865	1955	June 1, 1955	-	39.0
1931	Mar. 19, 1931	-	87.0	1956	Dec. 24, 1955	-	6,160
1932	May 14, 1932	-	1,980	1957	June 6, 1957	-	2,100
1933	May 31, 1933	-	811	1958	May 20, 1958	-	3,720
1934	Mar. 30, 1934	-	1,080	1959	Feb. 17, 1959	5.47	1,430
1935	Apr. 21, 1935	-	1,490	1960	Feb. 8, 1960	6.58	2,430
1936	Apr. 19, 1936	-	2,170	1961	Aug. 24, 1961	5.48	1,480
1937	Apr. 16, 1937	-	2,160	1962	Apr. 18, 1962	5.69	1,590
1938	Dec. 13, 1937	-	8,970	1963	Feb. 1, 1963	14.26	18,400
1939	Mar. 24, 1939	-	778				

a Probable maximum daily; records incomplete.
b Estimated.
Note.--Maximum daily mean discharges are shown prior to 1961.

3517. Truckee River near Nixon, Nev.

Location.--Lat 39°46'40", long 119°20'10", in SW¼NW¼ sec.18, T.22 N., R.24 E., on right bank 1 mile upstream from Pyramid Indian Reservation diversion dam, 4 miles south of Nixon, and 13 miles upstream from mouth.

Drainage area.--1,869 sq mi.

Gage.--Recording. Altitude of gage is 3,940 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 11,000 cfs and extended above on basis measurement of flow over dam.

Bankfull stage.--Not subject to overflow.

Remarks.--Flow regulated by Lake Tahoe, Boca Reservoir, and other lakes. Truckee Canal often diverts practically all flow at Derby Dam about 25 miles upstream out of basin to Lahontan Reservoir. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1956	Dec. 24, 1955	14.1	14,000	1961	Aug. 25, 1961	4.12	417
				1962	May 9, 1962	5.15	920
1958	May 21, 1958	8.77	5,160	1963	Feb. 2, 1963	14.39	14,400
1959	Feb. 17, 1959	4.81	726				
1960	Feb. 9, 1960	6.01	1,560				

BLACK ROCK DESERT

3525. McDermitt Creek near McDermitt, Nev.

Location.--Lat 41°58', long 117°50', in SE¼SE¼ sec.8, T.47 N., R.37 E., on left bank 6½ miles southwest of McDermitt.

Drainage area.--225 sq mi. Mean altitude, 5,720 ft.

Gage.--Recording and concrete control. Altitude of gage is 4,545 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 460 cfs and by slope-area measurements at 2,100 cfs and 3,970 cfs.

Remarks.--Base for partial-duration series, 150 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1949	Apr. 12, 1949	3.44	248	1956	Dec. 23, 1955	7.74	1,650
	Apr. 19, 1949	3.18	187		Dec. 27, 1955	3.21	196
					Jan. 15, 1956	8.60	2,100
1950	Mar. 20, 1950	3.83	346		Jan. 23, 1956	3.23	201
	Mar. 30, 1950	3.65	300		Mar. 19, 1956	3.12	194
					Mar. 24, 1956	5.36	828
1951	Feb. 7, 1951	4.03	401		Apr. 26, 1956	2.97	165
	Feb. 11, 1951	3.90	367				
	Mar. 16, 1951	3.90	367	1957	Feb. 26, 1957	6.72	1,270
					Mar. 8, 1957	4.32	490
1952	Mar. 26, 1952	4.84	630		Mar. 25, 1957	3.30	214
	Apr. 7, 1952	6.62	1,180		May 12, 1957	3.35	225
	Apr. 14, 1952	5.68	874		May 19, 1957	3.44	249
	Apr. 19, 1952	6.20	1,040				
	Apr. 26, 1952	6.83	1,240	1958	Feb. 16, 1958	4.28	464
	May 20, 1952	3.62	296		Feb. 25, 1958	8.27	1,920
	June 7, 1952	3.17	189		Mar. 21, 1958	2.97	193
	July 27, 1952	3.20	196		Mar. 29, 1958	2.85	158
					Apr. 17, 1958	4.57	639
1953	Jan. 18, 1953	4.59	563		May 5, 1958	2.93	179
	Feb. 6, 1953	2.99	158				
	May 20, 1953	3.18	198	1959	May 26, 1959	2.36	52
	June 2, 1953	5.05	694				
	June 8, 1953	3.07	173	1960	Mar. 22, 1960	3.38	298
1954	Mar. 9, 1954	3.73	322	1961	Feb. 9, 1961	3.04	209
1955	Apr. 22, 1955	2.78	109	1962	Jan. 8, 1962	2.85	153

Peak stages and discharges of McDermitt Creek near McDermitt, Nev.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1962	Feb. 10, 1962	6.62	1,800	1962	Apr. 1, 1962	4.25	622
	Feb. 12, 1962	2.87	161				
	Feb. 15, 1962	2.90	168	1963	Feb. 1, 1963	8.64	3,970
	Mar. 19, 1962	2.96	187		Apr. 7, 1963	2.72	163
	Mar. 27, 1962	5.24	1,140				

3530. East Fork Quinn River near McDermitt, Nev.

Location.--Lat 41°59', long 117°35', in sec.9, T.47 N., R.39 E., on right bank 1 mile downstream from South Fork and 7 miles east of McDermitt.

Drainage area.--140 sq mi, approximately. Mean altitude, 6,110 ft.

Gage.--Recording. Altitude of gage is 4,700 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Base for partial-duration series, 100 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1949	Apr. 12, 1949	3.29	262	1956	May 12, 1956	4.54	217
	Apr. 22, 1949	4.02	286				
	May 19, 1949	2.84	148	1957	Dec. 13, 1956	4.21	160
					Feb. 26, 1957	6.13	609
1950	Mar. 19, 1950	3.04	140		Mar. 8, 1957	5.50	465
	Mar. 31, 1950	4.70	394		Mar. 25, 1957	4.50	248
					Mar. 29, 1957	4.40	230
1951	Feb. 7, 1951	4.56	378		Apr. 5, 1957	4.22	201
	Apr. 5, 1951	3.39	186		Apr. 21, 1957	4.48	242
	Apr. 17, 1951	4.60	380		May 12, 1957	4.69	281
					May 19, 1957	5.23	393
1952	Mar. 28, 1952	4.93	412				
	Apr. 6, 1952	6.63	940	1958	Feb. 15, 1958	5.63	414
	Apr. 13, 1952	6.57	811		Feb. 25, 1958	6.02	466
	Apr. 18, 1952	6.89	818		Apr. 17, 1958	7.34	727
	Apr. 25, 1952	7.44	872		May 2, 1958	5.33	269
	May 20, 1952	5.11	261		May 12, 1958	4.98	206
	June 6, 1952	4.62	164				
				1959	May 27, 1959	3.84	53
1953	Feb. 6, 1953	4.31	118				
	May 19, 1953	4.72	164	1960	Mar. 7, 1960	4.54	138
	May 29, 1953	4.88	190		Mar. 25, 1960	5.45	290
	June 2, 1953	4.52	136		Apr. 2, 1960	4.89	196
	June 5, 1953	4.57	143				
	June 7, 1953	4.47	131	1961	Feb. 10, 1961	5.68	379
					Mar. 14, 1961	4.58	166
1954	Apr. 4, 1954	4.12	88		Mar. 23, 1961	5.78	409
					Mar. 30, 1961	4.80	190
1955	Apr. 10, 1955	4.82	181		Apr. 3, 1961	4.87	191
	Apr. 22, 1955	4.27	112				
	May 6, 1955	4.98	208	1962	Feb. 9, 1962	4.32	110
					Mar. 27, 1962	6.00	357
1956	Dec. 23, 1955	8.48	1,250		Apr. 7, 1962	6.50	512
	Jan. 15, 1956	8.52	1,270				
	Jan. 22, 1956	4.58	169	1963	Jan. 31, 1963	7.69	601
	Mar. 24, 1956	5.18	294		Apr. 7, 1963	5.26	195
	Apr. 26, 1956	4.08	145		Apr. 25, 1963	4.53	109

3535. Quinn River near McDermitt, Nev.

Location.--Lat 41°47', long 117°48', in SW¼ sec.15, T.45 N., R.37 E., on left bank 1½ miles upstream from Flat Creek and 15½ miles south of McDermitt.

Drainage area.--1,100 sq mi, approximately. Mean altitude, 5,420 ft.

Gage.--Recording. Altitude of gage is 4,240 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Several diversions above station for irrigation. Base for partial-duration series, 100 cfs. Only annual peaks are shown after 1956.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1949	Apr. 24, 1949	3.08	133	1956	Jan. 17, 1956	3.22	261
	May 20, 1949	3.44	188		Jan. 24, 1956	2.95	217
					Mar. 27, 1956	4.13	423
1950	May 5, 1950	2.54	62		Apr. 16, 1956	2.69	176
					Apr. 27, 1956	3.70	345
1951	Apr. 29, 1951	3.63	219		May 12, 1956	3.45	300
					May 30, 1956	3.12	244
1952	Apr. 8, 1952	8.01	1,400				
	Apr. 14, 1952	7.61	1,300	1957	May 14, 1957	4.23	482
	Apr. 20, 1952	7.48	1,310	1958	Apr. 19, 1958	5.72	898
	Apr. 27, 1952	8.39	1,580	1959	Feb. 19, 1959	.59	5.0
				1960	Apr. 7, 1960	1.83	90
1953	June 8, 1953	2.97	163				
				1961	Apr. 5, 1961	1.43	56
1954	Mar. 25, 1954	.45	1.5	1962	Apr. 8, 1962	4.55	588
				1963	Feb. 2, 1963	3.45	350
1955	May 16, 1955	1.27	30				

HONEY LAKE BASIN

3565. Susan River at Susanville, Calif.
(Published as "near Susanville" 1900-1905)

Location.--Lat 40°25'05", long 120°40'15", in NE¼ sec.31, T.30 N., R.12 E., on left bank 0.5 mile west of Susanville and 1.1 miles upstream from Piute Creek.

Drainage area.--192 sq mi.

Gage.--Nonrecording prior to Oct. 1, 1950, at several sites in vicinity of old powerplant about 0.9 mile upstream at various datums; recording thereafter. Datum of gage is 4,225.72 ft above mean sea level, datum of 1929.

Stage-discharge relation.--Defined by current-meter measurements below 840 cfs and extended on basis of slope-area measurement at 3,600 cfs.

Remarks.--Diversions for irrigation of about 1,400 acres above station. Only annual maximum observed discharges are shown prior to 1951. Base for partial-duration series, 400 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1901	Feb. 23, 1901	6.30	1,050	1951	Dec. 11, 1950	3.87	562
					Dec. 14, 1950	4.44	1,030
1903	Mar. 30, 1903	8.00	2,280		Jan. 22, 1951	4.08	706
1904	Feb. 22, 1904	9.9	2,190		Feb. 4, 1951	4.11	728
1905	Dec. 30, 1904	7.6	725		Feb. 11, 1951	3.88	568
1917	Apr. 25, 1917	9.2	611	1952	Dec. 1, 1951	3.95	615
1918	Apr. 9, 1918	8.9	492		Dec. 27, 1951	3.95	615
1919	Apr. 4, 1919	9.2	568		Feb. 1, 1952	4.80	1,460
1920	Apr. 15, 1920	3.6	570		Apr. 4, 1952	5.32	1,930
					May 2, 1952	4.76	1,510
1921	Jan. 17, 1921	4.4	1,070				
				1953	Jan. 9, 1953	5.50	2,260
1951	Oct. 30, 1950	4.19	792		Jan. 12, 1953	4.24	942
	Nov. 19, 1950	5.30	1,800		Jan. 20, 1953	3.85	660
	Dec. 3, 1950	4.58	1,190		Apr. 27, 1953	3.87	642

Peak stages and discharges of Susan River at Susanville, Calif.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1953	May 21, 1953	3.58	496	1958	Feb. 24, 1958	6.46	3,300
					Apr. 21, 1958	4.39	861
1954	Mar. 9, 1954	4.89	1,390		May 11, 1958	4.62	1,070
	Apr. 5, 1954	3.61	510		June 12, 1958	3.95	530
	Apr. 17, 1954	3.36	404	1959	Jan. 12, 1959	4.21	708
1955	Mar. 29, 1955	2.95	261	1960	Feb. 8, 1960	5.30	1,780
1956	Dec. 20, 1955	4.26	882		Mar. 7, 1960	4.12	644
	Dec. 23, 1955	6.62	3,540				
	Dec. 26, 1955	4.67	1,110	1961	Dec. 1, 1960	3.60	360
	Jan. 15, 1956	5.54	2,070				
	Jan. 23, 1956	3.77	435	1962	Apr. 14, 1962	3.98	502
	Mar. 24, 1956	4.27	756				
	Apr. 9, 1956	4.07	609	1963	Oct. 12, 1962	6.40	3,100
	Apr. 25, 1956	5.05	1,500		Dec. 3, 1962	3.75	410
	May 4, 1956	4.92	1,360		Jan. 31, 1963	6.78	3,900
	May 22, 1956	4.20	700		Apr. 6, 1963	5.45	1,620
					May 23, 1963	3.83	442
1957	Feb. 24, 1957	5.23	1,700				
	May 18, 1957	3.84	470				

3585. Willow Creek near Susanville, Calif.

Location.--Lat 40°29', long 120°32', in NW¼ sec.5, T.30 N., R.13 E., on left bank 4 miles upstream from Peters Valley Creek and 8 miles northeast of Susanville.

Drainage area.--92.5 sq mi, excludes that of Eagle Lake basin.

Gage.--Recording. Datum of gage is 4,836.27 ft above mean sea level, unadjusted.

Stage-discharge relation.--Defined by current-meter measurements below 420 cfs.

Remarks.--Diversions for irrigation of about 5,200 acres above station. Base for partial-duration series, 200 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1951	Jan. 23, 1951	3.89	216	1958	Feb. 25, 1958	4.55	398
					Apr. 1, 1958	3.95	299
1952	Apr. 6, 1952	5.32	694	1959	Feb. 17, 1959	3.63	163
1953	Jan. 9, 1953	4.58	410	1960	Feb. 8, 1960	5.09	596
1954	Feb. 18, 1954	2.96	72	1961	Feb. 11, 1961	2.88	55
1955	Mar. 10, 1955	2.86	62	1962	Feb. 9, 1962	3.86	216
1956	Dec. 20, 1955	4.10	270		Feb. 16, 1962	3.83	209
	Dec. 23, 1955	5.36	712				
	Dec. 26, 1955	4.72	457	1963	Oct. 14, 1962	5.25	663
	Jan. 15, 1956	4.65	432		Feb. 1, 1963	5.59	816
	Mar. 20, 1956	4.35	335				
1957	Feb. 24, 1957	5.01	564				

3595. Pine Creek near Westwood, Calif.

Location.--Lat 40°35', long 121°06', in SE¼ sec.5, T.31 N., R.8 E., on right bank 1 mile southwest of Bogard Guard Station and 19 miles north of Westwood.

Drainage area.--22.6 sq mi. Mean altitude, 6,450 ft.

Gage.--Recording and concrete control. Altitude of gage is 5,700 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 90 cfs and extended above by logarithmic plotting.

Remarks.--Base for partial-duration series, 35 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1951	Oct. 30, 1950	3.39	40	1956	Dec. 23, 1955	3.95	174
	Apr. 15, 1951	3.36	36		Jan. 8, 1956	3.33	37
	May 11, 1951	3.35	35		May 4, 1956	3.58	83
					May 22, 1956	3.88	156
1952	May 26, 1952	3.91	154				
	June 6, 1952	3.73	107	1957	May 18, 1957	3.80	143
1953	Apr. 27, 1953	3.44	48	1958	Feb. 25, 1958	3.92	153
	May 5, 1953	3.42	45		May 21, 1958	3.92	153
	May 21, 1953	3.69	98		June 12, 1958	3.59	74
	May 30, 1953	3.44	48				
				1959	Apr. 26, 1959	3.25	28
1954	Apr. 25, 1954	3.49	57				
	May 8, 1954	3.68	96	1960	Apr. 20, 1960	3.29	33
1955	May 10, 1955	3.25	24	1961	May 10, 1961	3.27	30
1956	Dec. 20, 1955	3.38	39				

WARNER LAKES BASIN

3660. Twentymile Creek near Adel, Oreg.
(Published as "near Warner Lake" 1910-22)

Location.--Lat 42°04', long 119°57', and NW¼ sec.25, T.40 S., R.23 E., on left bank 8 miles downstream from confluence of Twelvemile and Fifteenmile Creeks and 8 miles southwest of Adel.

Drainage area.--194 sq mi, including 46 sq mi in Cowhead Lake area. Mean altitude, 5,800 ft.

Gage.--Nonrecording at times prior to Sept. 21, 1940, at sites within 1 mile downstream at various datums; recording otherwise. Concrete control since June 28, 1952. Sept. 21, 1940, to Nov. 30, 1944, at site 1¾ miles upstream at different datums. Mar. 12, 1945, to June 28, 1952, at site 70 ft upstream at datum 0.88 ft higher. Datum of gage is 4,560.83 ft above mean sea level, datum of 1929, supplementary adjustment of 1947.

Stage-discharge relation.--Defined by current-meter measurements below 603 cfs and by contracted-opening measurement at 3,260 cfs.

Remarks.--Base for partial-duration series, 510 cfs. Only annual peaks are shown prior to 1941.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1911	Mar. 30, 1911	6.2	a1,170	1921	Mar. 4, 1921	9.2	2,000
1912	Mar. 26, 1912	4.2	464	1922	Apr.26-27,1922	8.0	1,500
1913	Mar. 30, 1913	5.3	a770				
1914	Mar. 6, 1914	6.5	1,140	1941	Feb. 28, 1941	2.87	1,060
1915	May 10, 1915	6.1	a1,020		Mar. 11, 1941	2.42	633
					Mar. 17, 1941	2.74	935
1916	Mar.14or15,1916	6.4	1,130				
				1942	Jan. 27, 1942	3.24	1,460
1918	Mar. 18, 1918	4.0	a380		Apr. 3, 1942	2.45	660
1919	Apr. 4, 1919	9.6	a2,400		May 12, 1942	2.38	598

a Maximum observed.

Peak stages and discharges of Twentymile Creek near Adel, Oreg.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1943	Dec. 27, 1942	4.28	3,000	1953	June 7, 1953	7.34	1,240
	Dec. 31, 1942	2.82	1,020				
	Mar. 8, 1943	3.76	2,170	1954	Feb. 23, 1954	4.62	564
	Mar. 13, 1943	3.57	1,900		Mar. 9, 1954	8.32	1,480
	Mar. 26, 1943	4.24	2,930				
	Apr. 1, 1943	2.35	615	1955	Apr. 30, 1955	4.93	520
1944	Mar. 17, 1944	2.51	340	1956	Dec. 19, 1955	9.37	1,550
					Dec. 23, 1955	14.80	3,260
1945	Apr. 16, 1945	3.92	513		Jan. 15, 1956	12.12	2,320
	June 6, 1945	4.18	561		Jan. 22, 1956	7.03	896
					Mar. 24, 1956	8.39	1,230
1946	Dec. 28, 1945	9.7	1,930		Mar. 29, 1956	5.52	594
	Feb. 27, 1946	6.93	1,170				
	Mar. 9, 1946	4.26	552	1957	Dec. 11, 1956	7.69	1,100
	Mar. 19, 1946	4.52	604		Feb. 24, 1957	10.41	1,850
					Mar. 5, 1957	7.13	966
1947	Feb. 12, 1947	7.90	1,420				
				1958	Feb. 12, 1958	7.13	966
1948	Apr. 14, 1948	5.21	742		Feb. 16, 1958	8.69	1,350
	May 21, 1948	4.84	678		Feb. 24, 1958	12.01	2,340
	June 5, 1948	7.58	1,340		Mar. 20, 1958	6.41	800
					Mar. 26, 1958	5.45	594
1949	Apr. 8, 1949	6.19	988		Apr. 17, 1958	7.65	1,090
1950	Jan. 21, 1950	4.05	540	1959	Mar. 13, 1959	3.53	204
	Feb. 19, 1950	4.03	537				
	Feb. 24, 1950	5.51	832	1960	Mar. 7, 1960	8.66	1,440
	Mar. 17, 1950	6.34	1,020		Mar. 13, 1960	5.37	612
	Mar. 19, 1950	4.57	652		Mar. 18, 1960	6.77	962
	Mar. 31, 1950	4.40	610				
				1961	Mar. 28, 1961	4.05	306
1951	Feb. 7, 1951	9.8	1,990				
				1962	Mar. 27, 1962	6.28	840
1952	Mar. 28, 1952	5.79	888		Apr. 7, 1962	9.28	1,620
	Apr. 6, 1952	9.85	2,000		May 21, 1962	6.50	895
	Apr. 18, 1952	8.74	1,670				
	Apr. 25, 1952	9.83	2,000	1963	Oct. 13, 1962	8.72	1,460
					Dec. 2, 1962	10.82	2,090
1953	Jan. 9, 1953	7.05	1,160		Feb. 1, 1963	14.4	3,160
	Jan. 13, 1953	6.79	1,100		Feb. 3, 1963	11.75	2,360
	Jan. 18, 1953	9.16	1,690		Apr. 6, 1963	11.63	2,330
	Feb. 6, 1953	6.00	910		Apr. 17, 1963	5.40	608
	Mar. 23, 1953	8.23	1,460		Apr. 27, 1963	7.07	1,040
	May 19, 1953	7.50	1,280		May 11, 1963	5.05	534

3700. Camas Creek near Lakeview, Oreg.

Location.--Lat 42°13', long 120°06', in NW¼ sec.2, T.39 S., R.22 E., on left bank 0.2 mile downstream from Blue Creek and 12 miles east of Lakeview.

Drainage area.--63 sq mi, approximately. Mean altitude, 6,210 ft.

Gage.--Nonrecording or recording prior to May 10, 1915, at site 500 ft upstream at different datum; recording thereafter. Datum of gage is 5,472.41 ft above mean sea level (State Highway Department bench mark).

Stage-discharge relation.--Defined by current-meter measurements below 340 cfs and by slope-area measurement at 1,630 cfs.

Remarks.--Diversions for irrigation of 1,200 acres above station. Base for partial-duration series, 290 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1913	Apr. 22, 1913	3.34	a255	1952	Apr. 6, 1952	3.47	376
					Apr. 19, 1952	3.94	536
1914	Apr. 10, 1914	4.47	454		Apr. 28, 1952	4.24	660
					May 8, 1952	3.69	447
1950	Apr. 22, 1950	3.46	340				
				1953	Apr. 28, 1953	3.50	390
1951	Apr. 10, 1951	3.53	394		May 20, 1953	3.76	471
	May 11, 1951	3.16	290				

a Maximum observed.

Peak stages and discharges of Camas Creek near Lakeview, Oreg.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1954	Mar. 9, 1954	3.82	492	1958	Apr. 21, 1958	3.80	590
	Apr. 5, 1954	3.27	332		May 12, 1958	3.80	590
	Apr. 18, 1954	3.27	332	1959	Jan. 12, 1959	2.29	168
1955	May 12, 1955	3.12	299	1960	Apr. 7, 1960	2.97	318
1956	Dec. 22, 1955	5.15	1,630	1961	Apr. 4, 1961	2.52	213
	Jan. 15, 1956	3.54	469				
	Apr. 10, 1956	3.02	310	1962	Apr. 7, 1962	3.21	383
	Apr. 24, 1956	3.58	483		Apr. 15, 1962	3.11	353
	May 11, 1956	3.19	357				
1957	Dec. 11, 1956	3.15	345	1963	Oct. 13, 1962	3.42	447
	Feb. 26, 1957	3.83	605		Feb. 1, 1963	4.95	1,440
	Mar. 7, 1957	2.88	295		Feb. 3, 1963	4.06	726
	May 7, 1957	2.91	302		Apr. 6, 1963	3.59	506
					Apr. 19, 1963	2.88	295
1958	Feb. 24, 1958	3.42	447				

3710. Drake Creek near Adel, Oreg.

Location.--Lat 42°12', long 120°00', near center of sec.9, T.39 S., R.23 E., on left bank 800 ft downstream from highway bridge and Parsnip Creek, 1 mile upstream from mouth, and 6½ miles west of Adel.

Drainage area.--67 sq mi, approximately. Mean altitude, 5,880 ft.

Gage.--Nonrecording prior to May 10, 1923, at site 800 ft upstream at different datums; recording thereafter. Dec. 16, 1949, to June 21, 1951, at site 1,300 ft upstream at different datum. Datum of gage is 5,078.42 ft above mean sea level (State Highway Department bench mark).

Stage-discharge relation.--Defined by current-meter measurements below 300 cfs and extended above by slope-area measurement at 4,050 cfs.

Remarks.--Diversions for irrigation of about 620 acres above station. Base for partial-duration series, 150 cfs. Only annual peaks are shown prior to 1950.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1915	Mar. 25, 1915	1.54	137	1956	Jan. 15, 1956	2.54	391
					Mar. 23, 1956	2.84	513
1923	Mar. 3, 1923	1.70	a70	1957	Feb. 24, 1957	3.02	594
1950	Feb. 25, 1950	2.43	176	1958	Feb. 16, 1958	2.70	455
	Mar. 17, 1950	3.10	380		Feb. 20, 1958	2.45	330
1951	Feb. 7, 1951	3.48	503		Feb. 24, 1958	2.50	350
	Feb. 10, 1951	4.1	750		Apr. 9, 1958	2.98	542
	Mar. 20, 1951	2.21	383		Apr. 17, 1958	2.08	215
1952	Mar. 28, 1952	2.72	408	1959	June 10, 1959	1.52	83
	Apr. 5, 1952	3.58	866				
	Apr. 18, 1952	2.55	340	1960	Mar. 7, 1960	2.46	318
	Apr. 25, 1952	2.79	436		Mar. 18, 1960	1.97	178
1953	Jan. 13, 1953	1.91	155	1961	Aug. 12, 1961	2.50	350
	Jan. 18, 1953	2.43	296				
	Feb. 6, 1953	2.00	175	1962	Mar. 27, 1962	2.90	545
	Mar. 23, 1953	2.79	436		May 23, 1962	2.29	302
	May 24, 1953	2.02	180	1963	Oct. 13, 1962	-	(b)
1954	Feb. 21, 1954	2.01	178		Dec. 3, 1962	2.21	274
					Jan. 31, 1963	5.69	4,050
1955	Apr. 30, 1955	1.87	155		Feb. 3, 1963	2.04	222
	May 19, 1955	2.22	243		Feb. 20, 1963	1.91	188
					Apr. 6, 1963	2.35	322
1956	Dec. 19, 1955	1.80	160		Apr. 23, 1963	2.23	280
	Dec. 23, 1955	3.93	1,100				

a Maximum observed.
b Peak above base, discharge not determined.

3715. Deep Creek above Adel, Oreg.

Location.--Lat 42°11', long 119°59', in E½ sec.15, T.39 S., R.23 E., on right bank 0.3 mile downstream from Drake Creek and 5 miles west of Adel.

Drainage area.--249 sq mi. Mean altitude, 6,110 ft.

Gage.--Recording. Dec. 21, 1922, to Sept. 30, 1923, at different datum. Datum of gage is 4,966.7 ft above mean sea level (State Highway Department bench mark).

Stage-discharge relation.--Defined by current-meter measurements below 1,300 cfs on basis of velocity-area studies and by slope-area measurement at gage height, 7.3 ft.

Remarks.--Diversions for irrigation of 5,500 acres above station. Base for partial-duration series, 600 cfs.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1923	Apr. 17, 1923	2.70	405	1946	Dec. 29, 1945	4.02	957
					Feb. 27, 1946	3.39	626
1930	Apr. 9, 1930	2.38	250		Apr. 19, 1946	4.02	957
					Apr. 26, 1946	3.96	921
1931	Mar. 22, 1931	2.77	294				
				1947	Feb. 12, 1947	b3.05	-
1932	Mar. 19, 1932	6.02	2,400		June 9, 1947	3.02	482
	Mar. 25, 1932	3.59	610				
	Apr. 27, 1932	4.83	1,260	1948	Jan. 7, 1948	3.85	858
					Apr. 16, 1948	3.38	622
1933	Apr. 29, 1933	2.79	320		May 7, 1948	3.42	639
					May 21, 1948	4.26	1,100
1934	Mar. 29, 1934	3.17	442		May 27, 1948	3.62	735
					June 5, 1948	4.65	1,350
1935	Apr. 4, 1935	3.80	635				
	Apr. 8, 1935	3.93	688	1949	Apr. 12, 1949	4.50	1,250
	Apr. 16, 1935	5.26	1,620		May 15, 1949	3.95	910
	Apr. 21, 1935	4.49	1,130				
	Apr. 30, 1935	3.78	760	1950	Feb. 25, 1950	3.37	633
	May 10, 1935	3.57	650		Mar. 17, 1950	3.76	810
					Apr. 22, 1950	3.60	735
1936	Mar. 21, 1936	3.44	610		May 17, 1950	3.61	740
	Apr. 17, 1936	4.61	1,140				
				1951	Feb. 7, 1951	4.51	1,260
1937	Apr. 1, 1937	4.19	930		Feb. 10, 1951	4.75	1,420
	Apr. 15, 1937	5.86	1,980		Mar. 15, 1951	3.81	836
	Apr. 21, 1937	3.51	610		Mar. 20, 1951	3.74	794
					Apr. 18, 1951	3.99	944
1938	Dec. 11, 1937	7.50	5,030		Apr. 29, 1951	3.55	695
	April 1938	-	(a)		May 7, 1951	3.52	680
	May 16, 1938	-	(a)		May 11, 1951	3.78	818
1939	Mar. 20, 1939	4.02	890	1952	Mar. 29, 1952	4.08	998
					Apr. 5, 1952	5.55	2,140
1940	Feb. 27, 1940	5.33	1,700		Apr. 19, 1952	4.87	1,550
	Mar. 27, 1940	4.22	1,000		Apr. 26, 1952	5.47	2,060
	Mar. 30, 1940	4.04	915		May 8, 1952	4.25	1,100
1941	May 3, 1941	3.42	604	1953	Jan. 9, 1953	3.81	836
					Jan. 18, 1953	3.97	932
1942	Apr. 11, 1942	4.09	944		Mar. 23, 1953	3.74	794
	Apr. 22, 1942	3.71	745		Apr. 28, 1953	4.03	968
	May 26, 1942	3.76	770		May19,20, 1953	4.96	1,620
					June 7, 1953	4.29	1,120
1943	Dec. 28, 1942	4.24	1,020				
	Jan. 1, 1943	3.56	670	1954	Mar. 10, 1954	4.32	1,140
	Jan. 14, 1943	3.92	850		Apr. 5, 1954	3.55	695
	Jan. 21, 1943	3.55	665		Apr. 19, 1954	3.60	720
	Mar. 8, 1943	5.35	1,700		Apr. 28, 1954	3.61	725
	Mar. 27, 1943	5.02	1,480				
	Apr. 16, 1943	4.26	1,040	1955	May 13, 1955	3.31	589
	June 1, 1943	5.43	1,760				
				1956	Dec. 23, 1955	7.29	4,540
1944	June 9, 1944	4.35	1,080		Jan. 15, 1956	5.33	2,060
	June 17, 1944	3.88	830		Mar. 24, 1956	4.79	1,570
					Apr. 24, 1956	4.17	1,110
1945	Feb. 13, 1945	3.78	800		May 4, 1956	4.13	1,090
	Apr. 21, 1945	3.67	745		May 23, 1956	3.90	950
	May 4, 1945	3.52	674				
	May 17, 1945	5.47	1,880	1957	Dec. 11, 1956	4.31	1,210
	May 30, 1945	3.67	745		Feb. 24, 1957	4.92	1,690

a Not determined.
b Backwater from ice.

Peak stages and discharges of Deep Creek above Adel, Oreg.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1957	Mar. 7, 1957	3.53	745	1961	Apr. 4, 1961	2.92	478
	May 8, 1957	3.63	795				
	May 19, 1957	3.55	755	1962	Mar. 27, 1962	3.66	810
					Apr. 1, 1962	4.00	1,010
1958	Jan. 29, 1958	-	(a)		Apr. 7, 1962	4.23	1,150
	Feb. 16, 1958	-	(a)				
	Feb. 25, 1958	-	(a)	1963	Oct. 13, 1962	4.15	1,100
	Apr. 10, 1958	4.06	1,050		Dec. 3, 1962	4.30	1,200
	Apr.17,18,1958	4.72	1,520		Feb. 1, 1963	7.83	5,500
	May 12, 1958	4.70	1,500		Feb. 3, 1963	4.58	1,400
					Apr. 6, 1963	4.95	1,720
1959	Jan. 12, 1959	2.54	332		Apr. 14, 1963	3.28	651
					Apr. 23, 1963	3.72	860
1960	Mar. 7, 1960	3.65	805		May 21, 1963	3.52	760

a Not determined.

3745. Deep Creek at Adel, Oreg.

Location.--Lat 42°10', long 119°54', near center of sec.21, T.39 S., R.24 E., on left bank at south edge of Adel and an eighth of a mile upstream from highway bridge.

Drainage area.--274 sq mi.

Gage.--Nonrecording prior to Mar. 10, 1914, and 1918-19; recording during remainder of period. Altitude of gage is 4,500 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 3,400 cfs and extended above by logarithmic plotting.

Remarks.--Flooding of lowlands during high-flow season, and by five canals within 2 miles upstream from station. Only annual peaks are shown (maximum observed prior to 1915).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1910	Mar. 2, 1910	9.0	4,950	1916	Mar. 12, 1916	5.7	1,180
1911	Mar. 23, 1911	6.70	2,100	1918	Apr. 9, 1918	5.2	825
1912	May 26, 1912	5.85	1,300	1919	Apr. 4, 1919	6.4	1,780
1913	Mar. 31, 1913	6.2	1,610				
1914	Mar. 7, 1914	5.9	1,340	1921	Mar. 4, 1921	5.9	1,290
1915	Apr. 3, 1915	4.7	552	1922	Apr. 21, 1922	6.20	1,510

3785. Honey Creek near Plush, Oreg.

Location.--Lat 42°25', long 119°55', in NW¼ sec.29, T.36 S., R.24 E., on right bank at mouth of canyon, 1 mile northwest of Plush and 4 miles downstream from Twelvemile Creek.

Drainage area.--170 sq mi, approximately. Mean altitude, 5,910 ft.

Gage.--Nonrecording prior to Jan. 13, 1912, Mar. 15 to Apr. 6, 1921, and Mar. 19 to June 30, 1922; recording otherwise. Prior to Feb. 24, 1910, at site half a mile downstream at different datum. Feb. 24, 1910, to May 16, 1915, and Mar. 15, 1921, to June 30, 1922, half a mile upstream at different datums. May 1, 1930, to Aug. 30, 1959, 600 ft downstream at datum 10.93 ft lower and Sept. 1, 1959, to Aug. 21, 1963, at datum 12.46 ft lower. Datum of gage is 4,548.93 ft above mean sea level, datum of 1929, supplementary adjustment of 1947.

Stage-discharge relation.--Defined by current-meter measurements below 2,300 cfs prior to Sept. 1, 1959; defined by current-meter measurements below 80 cfs and extended above on basis of slope-area measurement at 6,210 cfs.

Remarks.--Diversions for irrigation of about 2,300 acres above station. Base for partial-duration series, 200 cfs. Only annual peaks are shown prior to 1912.

Peak stages and discharges of Honey Creek near Plush, Oreg.

Water year	Date	Gage height (feet)	Discharge (cfs)
1890	February 1890	-	a3,500
1910	Feb. 24, 1910	6.3	2,240
1911	Mar.21,22,1911	5.35	b1,460
1912	May 4, 1912	2.10	218
	May 16, 1912	2.58	318
	May 30, 1912	2.61	324
1913	Mar. 31, 1913	6.20	950
	Apr. 27, 1913	4.01	252
	May 19, 1913	4.00	250
1914	Mar. 1, 1914	4.58	304
	Mar. 5, 1914	5.20	454
	Apr. 10, 1914	4.40	268
	Apr. 15, 1914	5.24	465
	Apr. 20, 1914	4.33	302
1915	Apr. 15, 1915	9.20	3,840
1921	May 22, 1921	4.65	b288
1922	May 5,6, 1922	4.80	490
1930	May 16, 1930	2.25	74
1931	Apr. 2, 1931	1.22	29
1932	Feb. 28, 1932	5.60	274
	Apr. 28, 1932	6.23	329
1933	Apr. 29, 1933	3.28	120
1934	Mar. 28, 1934	1.49	45
1935	Apr. 16, 1935	4.72	206
1936	Apr. 17, 1936	4.81	212
1937	Apr. 15, 1937	6.77	385
1938	Dec. 11, 1937	9.50	723
	Mar. 12, 1938	4.64	320
	Apr. 4, 1938	4.10	241
	Apr. 12, 1938	4.89	359
	Apr. 17, 1939	8.32	872
	May 1, 1938	6.28	600
	May 16, 1938	5.31	423
1939	Mar. 20, 1939	4.59	287
1940	Feb. 28, 1940	7.76	757
	Mar. 27, 1940	5.85	445
	Mar. 30, 1940	6.50	534
1941	Feb. 11, 1941	4.64	294
	June 8, 1941	4.58	282
1942	Mar. 8, 1942	6.75	576
	Apr. 11, 1942	7.45	701
	May 7, 1942	4.35	265
	May 17, 1942	5.13	352
	May 29, 1942	4.25	255
1943	Mar. 9, 1943	7.56	618
	Mar. 14, 1943	4.98	309
	Mar. 28, 1943	7.21	572
	Apr. 3, 1943	5.04	315
	Apr. 16, 1943	4.83	292
	May 19, 1943	5.66	384
	June 4, 1943	5.48	364
1944	June 9, 1944	9.60	940
	June 17, 1944	5.38	376
	June 21, 1944	6.28	484
1945	Apr. 21, 1945	4.98	338
	May 16, 1945	6.10	452
	May 20, 1945	4.55	286
	June 6, 1945	4.32	261
1946	Apr. 19, 1946	5.46	385
1946	Apr. 26, 1946	4.37	260
1947	Feb. 13, 1947	2.89	129
1948	Jan. 7, 1948	6.45	627
	Apr. 17, 1948	6.56	650
	Apr. 21, 1948	3.83	212
	May 21, 1948	8.94	1,380
	June 5, 1948	6.3	679
	June 21, 1948	3.45	214
1949	Apr. 12, 1949	5.20	446
	Apr. 19, 1949	5.31	453
	Apr. 23, 1949	4.71	356
	May 2, 1949	4.74	360
	May 15, 1949	3.41	201
1950	Feb. 16, 1950	3.26	b194
	Apr. 22, 1950	3.34	b188
1951	Feb. 7, 1951	7.05	852
	Mar. 15, 1951	4.57	340
	Mar. 20, 1951	4.50	330
	Apr. 10, 1951	3.58	216
	Apr. 17, 1951	3.98	264
1952	Mar. 25, 1952	9.25	1,490
	Mar. 28, 1952	7.53	972
	Apr. 6, 1952	-	(c)
	Apr. 19, 1952	4.97	414
	Apr. 25, 1952	6.76	782
	May 8, 1952	4.42	302
	May 20, 1952	3.83	220
1953	Jan. 9, 1953	4.91	326
	Jan. 12, 1953	4.14	248
	Mar. 24, 1953	3.59	221
	Apr. 28, 1953	3.46	208
	May 20, 1953	5.85	578
	May 25, 1953	3.52	214
1954	Mar. 10, 1954	3.56	218
	Apr. 5, 1954	3.86	251
	Apr. 18, 1954	3.56	218
1955	May 20, 1955	-	a320
1956	Dec. 22, 1955	-	(c)
	Jan. 15, 1956	7.30	1,060
	Mar. 24, 1956	4.08	367
	Apr. 16, 1956	2.95	202
	Apr. 24, 1956	3.70	310
	Apr. 26, 1956	4.07	366
	May 5, 1956	3.44	271
	May 23, 1956	3.43	270
1957	Feb. 15, 1957	3.89	374
	Feb. 24, 1957	5.70	720
	May 12, 1957	4.23	426
1958	Feb. 16, 1958	3.34	294
	Apr. 9, 1958	2.85	253
	Apr. 18, 1958	3.59	368
	May 11, 1958	4.15	460
1959	Apr. 5 or 6, 1959	1.57	92
1960	Mar. 7, 1960	5.54	418
1961	Apr. 18, 1961	3.02	88
1962	Apr. 15, 1962	4.54	242
	May 24, 1962	4.88	297
	May 26, 1962	4.70	267
1963	Oct. 13, 1962	7.10	810
	Dec. 3, 1962	5.33	387
	Feb. 1, 1963	10.46	6,210
	Apr. 6, 1963	2.12	485
	Apr. 23, 1963	1.46	342
	Apr. 27, 1963	1.47	344
	May 1, 1963	1.64	378
	May 15, 1963	1.83	416

a Approximate. b Maximum observed. c Not determined.

3840. Chewaucan River near Paisley, Oreg.
(Published as "above Conn ditch" prior to 1913 and from 1925 to 1955, as "above Mill Creek" in 1913, and as "at Chewaucan Land & Cattle Co. gage" in 1914)

Location.--Lat 42°42', long 120°35', in SW¼NW¼ sec.26, T.33 S., R.18 E., on left bank 1½ miles downstream from Mill Creek and 1½ miles southwest of Paisley.

Drainage area.--275 sq mi. Mean altitude, 6,050 ft.

Gage.--Nonrecording prior to Jan. 20, 1914, and Jan. 27 to Oct. 6, 1956; recording otherwise. Prior to July 14, 1912, at site 1¼ miles upstream at different datum. Nov. 6, 1912, to Sept. 30, 1921, at various sites within half a mile upstream from Mill Creek at various datums. May 1, 1924, to Jan. 26, 1956, at sites about 1½ miles upstream at different datums. Jan. 27, to Oct. 6, 1956, at sites about 1 mile downstream at different datums. Datum of gage is 4,430 ft above mean sea level (river-profile survey).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Diversions for irrigation of about 2,500 acres above station. Base for partial-duration series, 500 cfs. Only annual peaks are shown prior to 1925.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1912	May 20, May 28 to June 5, 1912	2.4	a750	1936	May 15, 1936	3.84	783
1913	Apr. 1, 1913	3.2	a855	1937	Apr. 13, 1937	4.08	950
	May 26, 1913	3.2	a855		May 4, 1937	3.41	516
1914	Apr. 15, 1914	3.80	1,090				
1915	Apr. 20, 1915	2.40	330	1938	Dec. 11, 1937	4.93	1,680
					Apr. 19, 1938	4.53	1,320
1916	May 5, 1916	3.15	730		May 1, 1938	4.46	1,240
1917	Apr. 23, 1917	3.76	1,140		May 16, 1938	4.65	1,400
1918	Apr. 25, 1918	2.50	360				
1919	Apr. 4, 1919	2.42	750	1939	Mar. 19, 1939	3.66	696
1920	May 9, 1920	1.58	347				
				1940	Feb. 27, 1940	3.93	920
1921	May 20, 1921	-	b1,200		Mar. 27, 1940	3.98	955
					Mar. 30, 1940	4.58	1,360
1925	Feb. 4, 1925	2.40	960		Apr. 23, 1940	3.63	630
	Apr. 17, 1925	1.93	670		May 3, 1940	3.58	624
	May 7, 1925	2.01	700				
	May 21, 1925	2.40	960	1941	May 8, 1941	3.59	624
1926	Feb. 4, 1926	1.78	584	1942	Apr. 14, 1942	3.75	688
					Apr. 22, 1942	3.70	655
1927	Nov. 30, 1926	1.70	530		May 26, 1942	3.86	762
	Feb. 21, 1927	1.72	543				
	Mar. 13, 1927	1.9	664	1943	Mar. 8, 1943	3.84	729
	Apr. 29, 1927	3.09	1,080		Mar. 26, 1943	4.28	1,030
	May 17, 1927	3.69	1,450		Apr. 8, 1943	4.14	928
	June 8, 1927	2.51	745		Apr. 18, 1943	4.36	1,080
					June 1, 1943	4.65	1,300
1928	Mar. 26, 1928	3.09	1,080				
	May 8, 1928	2.55	882	1944	June 9, 1944	4.34	1,070
1929	May 3, 1929	1.53	423	1945	Apr. 21, 1945	3.55	562
					May 16, 1945	4.15	935
1930	Dec. 19, 1929	1.58	-		May 31, 1945	3.64	612
	Apr. 8, 1930	1.50	385		June 6, 1945	3.79	699
1931	Dec. 24, 1930	c1.54	-	1946	Dec. 28, 1945	c4.93	-
	Apr. 1, 1931	1.14	210		Dec. 28, 1945	-	c600
					Mar. 27, 1946	3.50	535
1932	Mar. 19, 1932	2.85	970		Apr. 19, 1946	4.05	920
	May 14, 1932	2.55	802		Apr. 26, 1946	4.19	1,020
					May 7, 1946	4.10	955
1933	May 31, 1933	3.64	649				
				1947	Feb. 12, 1947	c4.55	-
1934	Mar. 28, 1934	3.44	537		Feb. 12, 1947	4.03	906
1935	Apr. 7, 1935	3.72	698	1948	Jan. 7, 1948	3.39	520
	Apr. 16, 1935	3.46	543		May 27, 1948	4.32	1,100
	May 10, 1935	3.57	607		June 9, 1948	4.40	1,160
	May 23, 1935	3.47	548		June 18, 1948	4.03	881
1936	Apr. 24, 1936	4.04	923	1949	Apr. 24, 1949	3.76	736

a Maximum observed. b Estimated. c Backwater from ice.

Peak stages and discharges of Chewaucan River near Paisley, Oreg.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1949	May 2, 1949	3.63	658	1956	Apr. 23, 1956	-	(d)
	May 15, 1949	3.79	754		May 4, 1956	-	(d)
1950	Jan. 21, 1950	c5.70	-		May 20, 1956	-	(d)
	Apr. 22, 1950	3.48	545	1957	Dec. 11, 1956	4.20	870
	May 23, 1950	3.93	821		Feb. 26, 1957	4.86	1,750
	June 11, 1950	3.43	520		Mar. 5, 1957	3.87	612
1951	Dec. 7, 1950	3.41	510		Mar. 12, 1957	3.97	679
	Dec. 14, 1950	3.62	622		May 8, 1957	4.17	843
	Feb. 7, 1951	4.08	934		May 19, 1957	4.50	1,200
	Mar. 15, 1951	3.67	682		May 30, 1957	4.13	807
	Mar. 20, 1951	3.43	542	1958	Jan. 29, 1958	3.85	565
	Apr.17,18,1951	4.16	1,040		Feb. 16, 1958	4.37	933
	May 6, 1951	3.73	721		Feb. 25, 1958	4.48	1,040
1952	Apr. 5, 1952	4.22	1,090		Apr. 22, 1958	4.57	1,140
	Apr. 28, 1952	4.55	1,390		May 12, 1958	5.22	2,320
	May 20, 1952	4.80	1,650	1959	Apr. 6, 1959	3.33	336
1953	Jan. 13, 1953	3.66	676	1960	May 12, 1960	3.74	510
	Jan. 18, 1953	4.30	1,160		May 27, 1960	3.73	505
	Apr. 28, 1953	4.08	974	1961	June 2, 1961	3.96	626
	May 7, 1953	3.81	777	1962	Mar. 27, 1962	3.90	590
	May 20, 1953	4.56	1,400		Apr. 15, 1962	3.84	560
	June 7, 1953	4.14	1,020		Apr. 28, 1962	3.92	602
1954	Mar. 9, 1954	4.56	1,460	1963	Oct. 13, 1962	4.35	915
	Apr. 5, 1954	3.82	824		Dec. 3, 1962	4.05	685
	Apr. 18, 1954	4.10	1,030		Jan. 31, 1963	c5.9	-
	May 9, 1954	4.11	1,040		Feb. 1, 1963	5.42	3,100
1955	Dec. 30, 1954	c3.23	-		Apr. 6, 1963	4.40	1,060
	May 21, 1955	3.01	374		May 8, 1963	4.18	864
1956	Dec. 22, 1955	7.8	3,260		May 21, 1963	4.37	1,030
	Jan. 16, 1956	-	(d)		June 10, 1963	4.01	737
	Mar. 23, 1956	-	(d)				

c Backwater from ice.
d Not determined.

3841. Chewaucan River at Paisley, Oreg.

Location.--Lat 42°42', long 120°33', in SE¼ sec.23, T.33 S., R.18 E., on right bank half a mile west of Paisley and 2½ miles downstream from Mill Creek.

Drainage area.--278 sq mi.

Gage.--Nonrecording. Altitude of gage is 4,390 ft (from river-profile map).

Stage-discharge relation.--Defined by current-meter measurements below 800 cfs.

Bankfull stage.--8 ft.

Remarks.--Only annual maximum observed discharges are shown.

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1905	Jan. 14, 1905	5.2	332	1910	Nov. 23, 1909	9.4	4,000
				1911	May 5, 1911	6.8	992
1906	May 10, 1906	7.0	1,000				
1907	Feb. 4, 1907	7.8	1,670	1913	May 28, 1913	6.68	a868
1909	May 5, 1909	7.1	1,180				

a Maximum observed during period Apr. 17 to May 30.

3860. Chewaucan River at narrows, near Paisley, Oreg.

Location.--Lat 42°37', long 120°25', in NE¼ sec.24, T.34 S., R.19 E., on left bank at constriction in Chewaucan Marsh and 8½ miles southeast of Paisley.

Drainage area.--380 sq mi, approximately.

Gage.--Nonrecording. Prior to Oct. 22, 1916, at various sites within three-quarters of a mile downstream and a quarter of a mile upstream at various datums. Altitude of gage is 4,300 ft (from benchmark 1 mile southeast of station).

Stage-discharge relation.--Defined by current-meter measurements below 300 cfs.

Remarks.--Diversions for irrigation of 21,000 acres upstream from station. Only annual maximum observed discharges are shown.

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	Apr. 21, 1914	3.50	505	1918	Apr. 10, 1918	2.4	365
1915	Apr. 26, 1915	1.8	154	1919	Apr. 21, 1919	3.55	322
				1920	Feb. 13, 1920	1.30	67
1916	May 10, 1916	3.8	366				
1917	Apr. 24, 1917	3.7	710	1921	May 21, 1921	4.65	832

3865. Chewaucan River at Hotchkiss Ford, near Paisley, Oreg.

Location.--Lat 42°33', long 120°19', near line between secs. 11 and 12, T.35 S., R.20 E., on left bank just below lower Chewaucan Marsh, 1 mile upstream from Willow Creek, and 15 miles southeast of Paisley.

Drainage area.--430 sq mi, approximately.

Gage.--Nonrecording. Prior to Dec. 27, 1918, 150 ft downstream at different datum. Altitude of gage is 4,290 ft (from elevation of Chewaucan Marsh).

Stage-discharge relation.--Defined by current-meter measurements.

Bankfull stage.--6 ft.

Remarks.--Diversions for irrigation of about 29,000 acres upstream from station. Only annual maximum observed discharges are shown.

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1914	Apr.21-24,1914	4.50	400	1918	Apr. 11, 1918	2.75	172
1915	Feb. 6, 1915	2.0	90	1919	Apr. 7, 1919	4.70	108
				1920	Jan. 29, 1920	1.95	72
1916	May 26, 1916	3.80	260				
1917	Apr. 26, 1917	4.55	506	1921	May 1921	-	(a)

a Maximum between May 20 and 29 when water went over gage (6.0 ft) and exceeded 515 cfs.

3880. Ana River near Summer Lake, Oreg.

Location.--Lat 43°00', long 120°45', in SE¼ sec.6, T.30 S., R.17 E., on left bank 300 ft downstream from diversion dam and 2 miles northeast of town of Summer Lake.

Drainage area.--Indeterminate. Flow is almost entirely from springs within a mile upstream from gage site.

Gage.--Recording. Oct. 1, 1930, to Sept. 30, 1939, at site 80 ft downstream at different datum. Altitude of gage is 4,160 ft (from plans of Ana River diversion dam).

Stage-discharge relation.--Defined by current-meter measurements below 100 cfs.

Remarks.--All records presented herein include flow in Summer Lake Canal which diverts 300 ft above station for irrigation of lands along west side of Summer Lake. Source of stream is Ana River Springs, three-quarters of a mile above station, which are flooded over by pondage behind diversion dam. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1931	Nov. 5, 1930	3.53	172	1955	Sept.29, 1955	2.80	110
1932	May 29, 1932	3.64	170				
1933	June 8, 1933	3.77	176	1956	Oct. 16, 1955	2.94	124
1934	Sept.10, 1934	2.68	106	1957	Oct.5,6, 1956	2.69	102
				1958	Dec. 7, 1957, Mar. 21, 1958	2.75	118
1936	Sept.15, 1936	3.87	186				
1937	Mar. 17, 1937	3.20	122	1959	Aug. 20, 1959	-	137
1938	Mar. 31, 1938	4.02	156	1960	Oct. 2, 1959	-	105
1939	Dec. 14, 1938	3.05	117				
				1961	Oct. 26, 1960, Sept.30, 1961	-	108
1952	Oct. 5, 1951	3.05	112				
1953	Aug. 9, 1953	-	145	1962	Nov. 25, 1961	-	110
1954	Oct. 3, 1953	-	101	1963	Oct. 1, 1962	-	129

SILVER LAKE BASIN

3890. West Fork Silver Creek near Silver Lake, Oreg.

Location.--Lat 43°05', long 121°05', in NW¼ sec.8, T.29 S., R.14 E., on left bank three-quarters of a mile upstream from mouth and 4 miles southwest of Silver Lake.

Drainage area.--27 sq mi, approximately.

Gage.--Recording, except nonrecording March to September 1928. Prior to Oct. 18, 1921, at site half a mile downstream at different datum. Altitude of gage is 4,570 ft (from levels to former gage).

Stage-discharge relation.--Defined by current-meter measurements below 20 cfs prior to 1921, and below 90 cfs thereafter.

Bankfull stage.--4 ft.

Remarks.--Records for water years 1929-32, furnished by State engineer of Oregon. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1919	Mar. 27, 1919	1.63	65	1926	Dec. 8, 1925	0.75	16
1920	May 9, 1920	.79	a14	1927	May 16, 1927	1.68	65
				1928	May 1, 1928	.80	21
1921	Apr. 11, 1921	2.24	138				
1922	Apr. 22, 1922	2.24	99	1932	Apr. 27, 1932	1.03	80
1923	May 11, 1923	1.06	22				
1925	May 22, 1925	2.1	130				

a Maximum during period Mar. 21 to July 31, 1920.

3900. Silver Creek near Silver Lake, Oreg.

Location.--Lat 43°06'40", long 121°04'05", in SW¼ sec.28, T.28 S., R.14 E., on right bank 1.5 miles downstream from diversion dam of Silver Lake Irrigation District, 1.5 miles southwest of town of Silver Lake, and 3 miles upstream from Bridge Creek.

Drainage area.--180 sq mi, approximately.

Gage.--Nonrecording prior to Mar. 24, 1919, 1923-27, and 1929; recording during remainder of period. Concrete control since Sept. 15, 1932. Datum lowered 1.00 ft May 24, 1932. Datum of gage is 4,361.32 ft above mean sea level, datum of 1929.

Stage-discharge relation.--Defined by current-meter measurements below 700 cfs and extended on basis of slope-area measurement at 900 cfs.

Bankfull stage.--9 ft.

Remarks.--Flow regulated by reservoir (capacity, 800 acre-ft) above diversion dam 1.5 miles above station and by Thompson Valley Reservoir (capacity, 17,400 acre-ft) 11 miles above station. Silver Lake Irrigation District Canal diverted 1.5 miles above station 1923-43. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1905	Apr. 5, 1905	2.8	a203	1935	May 15, 1935	2.57	54
1906	Apr. 9, 1906	5.52	a664	1936	Apr. 13, 1936	2.43	42
1907	Mar. 20, 1907	10.08	b1,800	1937	Apr. 15, 1937	2.41	41
				1938	May 1, 1938	4.89	364
1909	May 5, 1909	4.2	a368	1939	Apr. 21, 1939	2.31	35
1910	Nov. 23, 1909	6.40	a910	1940	Feb. 28, 1940	3.96	222
1911	Apr. 2, 1911	5.2	a576	1941	July 1, 1941	2.42	47
1912	May 15-18,1912	3.8	a309	1942	Apr. 15, 1942	2.51	54
1913	Apr. 26, 1913	4.0	a337	1943	Apr. 15, 1943	5.95	550
1914	Mar. 19, 1914	4.0	a350	1944	June 16, 1944	2.35	38
1915	Mar. 20, 1915	1.95	a86	1945	May 29, 1945	2.46	49
1916	Mar. 20, 1916	5.7	a710	1946	Apr. 27, 1946	2.81	81
1917	Apr. 24, 1917	5.1	560	1947	May 27, 1947	2.58	58
1918	Apr. 9, 1918	3.2	217	1948	May 27, 1948	2.69	69
1919	Apr. 5, 1919	4.35	406	1949	May 14, 1949	2.62	63
1920	May 9, 1920	2.40	137	1950	May 24, 1950	2.69	69
1921	Apr. 11, 1921	4.20	345	1951	Apr. 18, 1951	4.74	357
1922	Apr. 26, 1922	4.35	378	1952	Apr. 26, 1952	5.82	544
1923	June 15-18,1923	1.4	a45	1953	May 21, 1953	3.98	225
				1954	Apr. 23, 1954	5.17	434
1925	May 22, 1925	2.30	a122	1955	June3-6, 1955	2.50	53
1926	May 28, 1926	1.40	a45	1956	Dec. 22, 1955	7.65	930
1927	May 16, 1927	3.20	a223	1957	Feb. 28, 1957	4.82	366
1928	May 13, 1928	1.20	48	1958	Apr. 22, 1958	5.45	520
1929	May 18, 1929	.97	a26	1959	May 1, 1959	2.36	42
1930	Apr. 9, 1930	.93	25	1960	June 27, 1960	2.51	54
1931	May 14, 1931	.78	16	1961	May 20, 1961	2.51	54
1932	Apr. 17, 1932	1.38	44	1962	Apr. 5, 1962	2.70	76
1933	May 17, 1933	2.38	37	1963	Feb. 1, 1963	4.02	248
1934	May 11, 1934	2.06	18				

a Maximum observed.
b Maximum observed during period Oct. 1 to Mar. 31, 1907.

3910. Buck Creek near Silver Lake, Oreg.
(Published as Bear Creek 1905-6, 1909-11)

Location.--Lat 43°08', long 121°10', in N½ sec.22, T.28 S., R.13 E., on left bank 300 ft downstream from highway bridge and 6 miles west of town of Silver Lake.

Drainage area.--290 sq mi, approximately; at site used prior to 1919, 310 sq mi, approximately.

Gage.--Nonrecording prior to Apr. 13, 1922; recording thereafter. At site 4 miles downstream 1905-10, and 1½ miles downstream Mar. 13, 1919, to Apr. 12, 1922, at different datums. Altitude of gage is 4,500 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 65 cfs 1905-10, below 113 cfs 1919-21, and below 99 cfs thereafter.

Bankfull stage.--4 ft at 1919-22 site; otherwise unknown.

Remarks.--Only annual peaks are shown (maximum observed prior to 1922).

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1905	June 11, 1905	5.45	55	1919	May 29, 1919	4.1	120
				1920	May 21, 1920	3.00	70
1906	June 12, 1906	5.75	83				
1907	February 1907	6.6	450	1921	June 7, 1921	4.6	164
				1922	June 4, 1922	2.33	138
1909	Jan. 21, 1909	8.0	249	1923	May 16, 1923	1.72	a75
1910	Feb. 28, 1910	9.0	330				

a Maximum during period March to September.
Note.--Maximum observed discharges prior to 1922.

MALHEUR AND HARNEY LAKES BASIN

3925. Silvies River near Silvies, Oreg.

Location.--Lat 43°55', long 118°58', in SE¼ sec.14, T.19 S., R.31 E., on left bank three-quarters of a mile downstream from Trout Creek and 8 miles south of Silvies.

Drainage area.--510 sq mi, approximately.

Gage.--Nonrecording. May 9 to June 26, 1903, at site half a mile upstream at different datum. Altitude of gage is 4,500 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 1,870 cfs.

Bankfull stage.--8 ft.

Remarks.--Only annual peaks are shown (maximum observed except momentary maximum 1916).

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1903	May 9, 1903	4.5	a200	1912	Apr. 30, 1912	9.9	1,190
1904	Apr. 16, 1904	12.15	2,320				
				1916	Apr. 2, 1916	10.66	b1,590
1909	Feb. 17, 1909	9.3	882				
1910	Mar. 21, 1910	10.9	1,650	1921	Apr. 12, 1921	11.0	1,920
				1922	Apr. 24, 1922	9.2	1,050
1911	Apr. 4, 1911	7.6	560	1923	Apr. 21, 1923	7.1	518

a Maximum observed during period May 9 to Sept. 31, 1903.
b Momentary maximum.

3935. Silvies River near Burns, Oreg.

Location.--Lat 43°43', long 119°11', in NW¼ sec.31, T.21 S., R.30 E., on left bank 5 miles downstream from Emigrant Creek and 11 miles northeast of Burns.

Drainage area.--934 sq mi. Mean altitude, 5,200 ft.

Gage.--Nonrecording prior to Dec. 1, 1911, and June 24, 1917, to Apr. 6, 1922, at site 3 miles downstream at different datums; recording otherwise. Dec. 1, 1911, to June 23, 1917, at site 1¾ miles downstream at different datum. Apr. 7, 1922, to Oct. 1, 1941, at present site and datum. Oct. 2, 1941, to Oct. 3, 1951, at site 400 ft downstream at same datum. Datum of gage is 4,195 ft above mean sea level, datum of 1929, supplementary adjustment of 1947 (river-profile survey).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Diversions for irrigation above station primarily by flooding during high flow. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1904	Apr. 15, 1904	17.12	4,730	1936	Apr. 17, 1936	12.62	1,520
				1937	Apr. 17, 1937	9.35	859
1906	Apr. 9, 1906	15.0	2,100	1938	Apr. 20, 1938	13.61	2,510
				1939	Mar. 20, 1939	11.40	1,250
1909	Jan. 22, 1909	12.6	1,000	1940	Feb. 29, 1940	12.49	1,690
1910	Mar. 20, 1910	15.9	3,270				
				1941	Apr. 2, 1941	11.51	1,270
1911	Apr. 5, 1911	12.17	924	1942	Apr. 13, 1942	12.97	2,060
1912	May 12, 1912	15.29	1,580	1943	Apr. 8, 1943	14.70	3,830
1913	Apr. 22, 1913	14.74	1,420	1944	Mar. 10, 1944	7.43	614
1914	Apr. 8, 1914	15.64	1,820	1945	Feb. 14, 1945	11.69	1,360
1915	Apr. 4, 1915	9.36	607				
				1946	Apr. 20, 1946	12.28	1,720
1916	Apr. 12, 1916	16.84	2,610	1947	Feb. 15, 1947	a8.70	-
1917	Apr. 27, 1917	16.40	2,300		Apr. 21, 1947	7.00	669
1918	Mar. 27, 1918	9.05	574	1948	May 23, 1948	11.18	1,360
1919	Apr. 5, 1919	12.0	1,450	1949	Apr. 13, 1949	9.8	1,080
1920	Jan. 28, 1920	10.6	1,020	1950	Apr. 23, 1950	10.17	1,150
1921	Apr. 13, 1921	13.55	3,040	1951	Apr. 8, 1951	13.12	2,180
1922	Apr. 25, 1922	13.10	1,640	1952	Apr. 6, 1952	15.2	b4,960
1923	Apr. 18, 1923	9.98	960	1953	Apr. 28, 1953	12.45	1,850
1924	Feb. 7, 1924	9.15	640	1954	Mar. 10, 1954	-	b800
1925	Apr. 15, 1925	9.67	900	1955	May 8,9, 1955	6.04	581
1926	Feb. 8, 1926	8.15	678	1956	Mar. 26, 1956	12.96	2,090
1927	Apr. 29, 1927	12.65	1,520	1957	Feb. 25, 1957	14.17	3,110
1928	Mar. 12, 1928	11.70	1,310	1958	Apr. 21, 1958	13.57	2,530
1929	Mar. 14, 1929	6.45	464	1959	Apr. 6, 1959	4.80	447
1930	Feb. 14, 1930	5.34	354	1960	Apr. 8, 1960	11.13	1,530
1931	Apr. 8, 1931	3.94	214	1961	Feb. 2, 1961	5.86	595
1932	Apr. 15, 1932	10.63	1,080	1962	Apr. 9, 1962	9.49	1,200
1933	May 2, 1933	8.02	660	1963	Feb. 4, 1963	a12.71	(c)
1934	Dec. 31, 1933	2.16	75				
1935	Apr. 16, 1935	9.48	875				

a Backwater from ice.
b Estimated.
c Not determined.

3960. Donner und Blitzen River near Frenchglen, Oreg.
(Published as "near Diamond" 1911-21, and as "at P ranch near Diamond" 1929-30)

Location.--Lat 42°47', long 118°52', in NW¼ sec.20, T.32 S., R.32½ E., on left bank 1½ miles upstream from upper diversions for Malheur Migratory Waterfowl Refuge, 2 miles downstream from Fish Creek, and 3½ miles southeast of Frenchglen.

Drainage area.--200 sq mi, approximately. Mean altitude, 6,160 ft.

Gage.--Nonrecording prior to December 1937 at several sites within 2 miles downstream at different datums; recording and concrete control thereafter. Datum of gage is 4,254 ft above mean sea level (levels by Fish and Wildlife Service).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Base for partial-duration series, 650 cfs. Only annual peaks are shown prior to 1938.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1911	Mar.21-22,1911	6.5	1,800	1948	May 19, 1948	5.26	1,700
1912	Feb. 17, 1912	6.0	a1,360		May 26, 1948	4.62	1,180
1913	Mar. 30, 1913	6.15	a1,380		June 5, 1948	4.70	1,240
1914	May 25, 1914	4.45	855				
1915	May 3, 1915	6.4	2,060	1949	May 16, 1949	4.38	1,020
1916	Mar. 12, 1916	6.0	1,820	1950	Mar. 17, 1950	4.09	793
					Mar. 30, 1950	4.02	744
1918	Mar. 4, 1918	3.05	442		May 23, 1950	3.88	652
1919	Mar.29-30,1919	5.6	1,670				
1920	Mar.29-30,1920	4.5	1,140	1951	Feb. 7, 1951	5.58	2,000
					Mar. 20, 1951	5.28	1,720
1921	Mar. 3-4,1921	6.6	2,200				
				1952	Mar. 25, 1952	4.39	1,030
1930	Apr. 24, 1930	2.76	276		Apr. 6, 1952	5.84	2,260
					Apr. 13, 1952	5.20	1,650
1938	Dec. 11, 1937	4.6	a1,080		May 8, 1952	4.59	1,220
	Mar. 2, 1938	4.56	968				
	Mar. 19, 1938	4.12	718	1953	May 19, 1953	6.29	2,750
	Apr. 8, 1938	4.31	848		June 2, 1953	4.62	1,250
	Apr. 29, 1938	4.53	1,020		June 7, 1953	5.55	1,970
	May 15, 1938	4.32	856		June 16, 1953	4.08	786
	May 27, 1938	4.17	750				
				1954	Mar. 9, 1954	4.61	1,240
1939	Mar. 21, 1939	4.90	1,400				
	Mar. 24, 1939	5.12	1,580	1955	Apr. 22, 1955	4.42	1,060
					June 9, 1955	4.13	824
1940	Feb. 25, 1940	4.25	915				
	Mar. 26, 1940	4.15	810	1956	Dec. 23, 1955	5.71	2,130
	Mar. 30, 1940	5.27	1,570		Jan. 15, 1956	5.72	2,140
	May 13, 1940	3.92	672		Jan. 22, 1956	4.75	1,280
					May 11, 1956	4.15	845
1941	Feb. 22, 1941	3.98	708		May 26, 1956	4.37	999
	Feb. 28, 1941	4.00	720				
	May 12, 1941	4.19	834	1957	Dec. 11, 1956	4.38	1,010
					Feb. 14, 1957	4.62	1,180
1942	Apr. 1, 1942	4.67	1,220		Feb. 22, 1957	5.12	1,580
	May 5, 1942	5.85	2,270		Mar. 4, 1957	4.86	1,370
	May 24, 1942	4.21	887		May 12, 1957	5.05	1,520
	June 2, 1942	5.17	1,620		May 18, 1957	6.13	2,560
					May 30, 1957	5.05	1,520
1943	Dec. 27, 1942	4.16	852				
	Jan. 1, 1943	3.89	664	1958	Feb. 12, 1958	4.08	806
	Jan. 21, 1943	4.69	1,230		Feb. 15, 1958	4.92	1,420
	Feb. 20, 1943	4.43	1,040		Feb. 24, 1958	4.64	1,200
	Mar. 8, 1943	4.62	1,180		May 11, 1958	3.94	708
	June 1, 1943	4.11	817		May 22, 1958	4.32	974
1944	Mar. 9, 1944	3.70	545	1959	May 14, 1959	3.29	331
1945	Feb. 2, 1945	3.88	652	1960	Feb. 8, 1960	3.86	652
	Mar. 22, 1945	4.10	800		Mar. 7, 1960	4.40	1,030
	Mar. 31, 1945	4.30	955		Mar. 20, 1960	4.34	988
	May 3, 1945	4.29	947				
	June 4, 1945	4.65	1,280	1961	May 26, 1961	3.52	470
1946	Dec. 28, 1945	3.83	628	1962	Mar. 25, 1962	4.14	848
1947	May 2, 1947	3.87	646	1963	Jan. 31, 1963	4.90	1,400
					Apr. 6, 1963	4.70	1,240
1948	Jan. 6, 1948	4.04	768		May 21, 1963	3.87	672
	Mar. 22, 1948	4.04	768				

a Maximum observed.

3965. Mud Creek near Diamond, Oreg.

Location.--Lat 42°50', long 118°51', in NW¼ sec.4, T.32 S., R.32½ E., on left bank 3 miles east of Frenchglen and 16 miles southwest of Diamond.

Drainage area.--30 sq mi, approximately.

Gage.--Nonrecording. Mar. 18, 1911, to Sept. 30, 1916, at different datum. Altitude of gage is 4,200 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 20 cfs.

Remarks.--Records for 1930 furnished by State engineer of Oregon. Only annual maximum observed discharges are shown.

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1911	May 5, 1911	3.4	25	1916	May 26, 1916	4.5	100
1912	Apr. 24, 1912	5.7	112				
1913	May 10, 1913	3.6	46	1930	May 1-7, 9-11, 1930	2.24	12
1914	Apr. 19, 1914	3.3	41				
1915	May 3, 1915	5.65	154				

3970. Bridge Creek near Frenchglen, Oreg.
(Published as "near Diamond" 1911-16, 1930)

Location.--Lat 42°50', long 118°51', in NW¼ sec.33, T.31 S., R.32½ E., on right bank at mouth of canyon, 3½ miles northeast of Frenchglen.

Drainage area.--30 sq mi, approximately. Mean altitude, 5,890 ft.

Gage.--Nonrecording prior to Aug. 23, 1939; recording and concrete control thereafter. Prior to Dec. 21, 1937, at sites within 1 mile upstream at different datums. Dec. 21, 1937, to May 17, 1938, at site 1,000 ft downstream at different datum. Datum of gage is 4,184.93 ft above mean sea level (levels by Fish and Wildlife Service).

Stage-discharge relation.--Defined by current-meter measurements below 65 cfs and extended above by logarithmic plotting.

Remarks.--Base for partial-duration series, 30 cfs. Only annual peaks are shown prior to 1940.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1911	Apr. 27, 1911	2.58	a23	1943	Dec. 24, 1942	1.40	36
1912	Apr. 24, 1912	4.6	a106		Dec. 27, 1942	1.68	75
1913	May 10, 1913	2.55	a44		Feb. 22, 1943	2.55	253
1914	May 24, 1914	2.2	a29		Mar. 9, 1943	1.53	54
1915	May 3, 1915	4.85	a166		Apr. 8, 1943	1.57	60
					June 4, 1943	1.94	126
1916	May 26, 1916	4.8	a163				
				1944	Mar. 9, 1944	1.54	49
1938	Apr. 19, 1938	3.00	118		June 9, 1944	1.82	106
1939	Mar. 16, 1939	3.30	b230		June 16-29, 1944	1.45	46
1940	Feb. 25, 1940	1.35	34	1945	Mar. 22, 1945	1.64	73
	Mar. 26, 1940	1.37	34		Mar. 31, 1945	1.48	49
					Apr. 20, 1945	1.73	88
1941	Oct. 29, 1940	1.67	78		May 3, 1945	1.58	64
	Nov. 1, 1940	1.33	32		May 19, 1945	2.01	151
	Feb. 23, 1941	1.63	72		May 30, 1945	1.62	70
	Feb. 28, 1941	1.34	33		June 4, 1945	1.76	94
	May 14, 1941	1.37	34				
	June 7, 1941	1.69	81	1946	May 23, 1946	1.53	38
					May 27, 1946	1.52	35
1942	Jan. 26, 1942	1.48	44				
	Feb. 2, 1942	1.46	42	1947	Apr. 6, 1947	1.28	26
	Feb. 6, 1942	1.40	35				
	Mar. 10, 1942	1.58	61	1948	Jan. 7, 1948	1.35	34
	Apr. 11, 1942	1.55	58		Mar. 22, 1948	1.44	44
	May 5, 1942	2.19	178		Mar. 27, 1948	1.36	35
	May 10, 1942	1.80	101		Apr. 1, 1948	1.48	49
	May 28, 1942	2.23	186		Apr. 14, 1948	1.72	87

a Maximum observed. b Estimated.

Peak stages and discharges of Bridge Creek near Frenchglen, Oreg.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1948	Apr. 20, 1948	1.62	70	1956	Dec. 23, 1955	2.08	169
	May 6, 1948	1.56	61		May 10, 1956	1.98	143
	May 19, 1948	1.98	143				
	June 4, 1948	1.51	54	1957	Oct. 12, 1956	1.33	34
	June 20, 1948	1.70	78		Dec. 11, 1956	1.37	35
					Feb. 14, 1957	-	(c)
1949	Apr. 1, 1949	1.36	35		Feb. 22, 1957	2.29	140
	Apr. 11, 1949	1.34	33		Mar. 4, 1957	1.93	92
	Apr. 24, 1949	1.35	34		Mar. 25, 1957	1.35	35
	May 15, 1949	1.45	46		Apr. 29, 1957	1.51	49
					May 12, 1957	2.18	124
1950	Mar. 17, 1950	1.33	33		May 19, 1957	3.06	289
	Mar. 30, 1950	1.37	38				
				1958	Feb. 12, 1958	2.41	160
1951	Jan. 24, 1951	1.63	72		Feb. 15, 1958	2.11	114
	Feb. 7, 1951	1.42	42		Apr. 17, 1958	1.57	52
					May 11, 1958	1.39	36
1952	Mar. 25, 1952	1.74	91		June 14, 1958	1.39	36
	Apr. 14, 1952	1.62	70				
	May 9, 1952	2.12	180	1959	Oct. 1 to Nov. 14, 1958	-	13
	May 20, 1952	1.51	54				
1953	May 16, 1953	1.61	69	1960	Feb. 6, 1960	1.40	39
	May 19, 1953	2.73	301		Mar. 7, 1960	1.92	90
	June 1, 1953	1.33	34		Apr. 2, 1960	1.32	33
	June 7, 1953	1.73	89				
	June 12, 1953	1.43	45	1961	Mar. 23, 1961	1.22	21
1954	Mar. 26, 1954	1.32	32	1962	Apr. 19, 1962	1.39	37
	Apr. 3, 1954	1.50	53		Mar. 8, 1962	1.43	40
	June 10, 1954	1.77	91				
				1963	Feb. 1, 1963	1.95	94
1955	Mar. 7, 1955	1.29	30		Feb. 26, 1963	-	(c)
	May 17, 1955	1.83	102		Apr. 5, 1963	1.75	70
	May 19, 1955	2.37	215		May 5, 1963	1.47	43
1956	Dec. 11, 1955	1.42	43				

c Not determined.

3985. Donner und Blitzen River near Narrows, Oreg.

Location.--Lat 43°01', long 118°50', in NE¼ sec.26, T.29 S., R.31 E., on left bank at Grain Camp, 2 to 3 miles upstream from Kiger Creek and 18 miles north of Narrows.

Drainage area.--420 sq mi, approximately.

Gage.--Nonrecording. Altitude of gage is 4,140 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 670 cfs.

Remarks.--Diversions above station for irrigation of many thousand acres by flooding during high flow and by several canals. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1915	May 16, 1915	5.2	a392	1918	May 8, 1918	3.5	a166
				1919	Mar. 30, 1919	5.1	a432
1916	June 14, 1916	4.5	a270	1920	Mar. 2, May 10, 11, 22-24, 1920	4.7	a364
1917	March 1917	7.5	780				

a Maximum observed.

3990. Kiger Creek near Diamond, Oreg.

Location.--Lat 43°00', long 118°38' in SW¼ sec.3, T.30 S., R.33 E., on left bank 2 miles southeast of Diamond and 18 miles northeast of Frenchglen.

Drainage area.--75 sq mi, approximately.

Gage.--Nonrecording prior to May 27, 1917, and since May 29, 1921; recording May 27, 1917, to May 29, 1921. Near described site at different datums prior to May 30, 1921. At site half a mile upstream at different datum Mar. 11 to July 8, 1930. Altitude of gage is 4,250 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 150 cfs.

Remarks.--Records for 1930 and 1941, furnished by State engineer of Oregon. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1909	June 3,4,1909	3.8	a251	1918	May 5, 1918	2.14	105
1910	Apr. 26, 1910	3.3	a192	1919	Apr. 25, 1919	3.00	181
				1920	May 21, 1920	3.07	201
1911	June 4, 1911	3.4	a183				
1912	May 19, 1912	4.7	a330	1921	May 27, 1921	2.80	a163
1913	May 27, 1913	4.0	a249				
				1930	June 11, 1930	.90	a58
1916	June 10, 1916	3.4	a163				
1917	May 15, 1917	4.6	a297	1941	May 12, 1941	2.80	a186

a Maximum observed.

4000. McCoy Creek near Diamond, Oreg.

Location.--Lat 42°59', long 118°43', in SE¼ sec.2, T.30 S., R.32 E., on right bank 3 miles southwest of Diamond and 15 miles northeast of Frenchglen.

Drainage area.--45 sq mi, approximately.

Gage.--Nonrecording. Prior to May 23, 1910, and May 1 to Sept. 30, 1919, at sites about 2 miles downstream, and May 23, 1910, to May 1, 1919, at sites within a half mile upstream, at different datums. Altitude of gage is 4,200 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements prior to 1922 and below 110 cfs thereafter.

Remarks.--Records for 1941 furnished by State engineer of Oregon. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1909	June 5, 1909	4.91	126	1917	June 17, 1917	5.06	300
1910	May 23, 1910	3.65	a80	1918	June 3, 1918	3.28	107
				1919	May 22, 1919	2.8	205
1911	June 11, 1911	5.4	203	1920	July 4, 1920	4.20	a175
1912	June 7, 1912	6.6	300				
1913	May 28, 1913	4.6	207	1921	May 27, 1921	5.00	264
1914	May 8, 1914	3.2	a146				
				1941	May 12, 1941	2.78	a385
1916	June 5, 1916	4.0	190				

a Maximum observed.

4010. Riddle Creek near Diamond, Oreg.

Location.--Lat 43°07', long 118°37', in S½ sec.23, T.28 S., R.33 E., on right bank at highway bridge 8 miles north of Diamond and 20 miles southeast of Narrows.

Drainage area.--120 sq mi, approximately.

Gage.--Nonrecording. Altitude of gage is 4,100 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 100 cfs.

Remarks.--Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1917	Mar. 27, 1917	4.5	a330	1920	Apr. 15, 1920	2.30	b93
1918	Mar. 28, 1918	1.53	b50				
1919	Mar. 31, 1919	2.44	b106	1921	Feb.10,11,1921	3.60	b219

a Maximum during period Mar. 27 to Sept. 30, 1917.
b Maximum observed.

4015. Donner und Blitzen River near Voltage, Oreg.

Location.--Lat 43°16', long 118°51', in SW¼ sec.2, T.27 S., R.31 E., on right bank just downstream from Sodhouse diversion dam of Fish and Wildlife Service, 1½ miles south of headquarters for Malheur Migratory Waterfowl Refuge, and 2 miles southwest of Voltage.

Drainage area.--760 sq mi, approximately.

Gage.--Nonrecording prior to June 16, 1939, at site 30 ft downstream; recording thereafter. Since May 19, 1938, supplementary staff gage at site 1½ miles downstream at different datum. Datum of gage is 4,097.58 ft above mean sea level, datum of 1929 (levels by Fish and Wildlife Service).

Stage-discharge relation.--Defined by current-meter measurements below 400 cfs.

Bankfull stage.--6 ft.

Remarks.--Most of flow diverted above station for irrigation and for flooding waterfowl refuge. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1938	Mar. 4, 1938	4.50	a403	1943	Feb. 25, 1943	5.55	522
1939	Mar. 29, 1939	6.70	a416	1944	Oct. 21, 1943	3.60	287
1940	September1940	3.67	274	1945	May 10, 1945	4.99	464
1941	Feb. 26, 1941	4.35	356	1946	Nov. 5, 1945	4.18	362
1942	Jan. 30, 1942	6.26	616				

a Maximum observed.

4030. Silver Creek near Riley, Oreg.

Location.--Lat 43°41', long 119°39', in E½ sec.1, T.22 S., R.25 E., on right bank 0.4 mile downstream from Rough Creek, 1.4 miles upstream from Nicoll Creek, and 14 miles northwest of Riley.

Drainage area.--228 sq mi. Mean altitude, 5,180 ft.

Gage.--Recording. Altitude of gage is 4,450 ft (by barometer).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Base for partial-duration series, 350 cfs.

Peak stages and discharges of Silver Creek near Riley, Oreg.

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1952	Mar. 25, 1952	6.40	1,170	1958	Feb. 12, 1958	3.98	360
	Apr. 6, 1952	6.65	1,300		Feb. 15, 1958	4.58	514
	Apr. 14, 1952	6.10	1,050		Feb. 25, 1958	5.27	730
	Apr. 19, 1952	6.48	1,210		Apr. 18, 1958	5.67	878
1953	Apr. 6, 1953	4.11	388	1959	Apr. 6, 1959	3.00	155
	Apr. 22, 1953	4.22	415				
	Apr. 28, 1953	4.10	355	1960	Mar. 7, 1960	4.53	499
					Mar. 26, 1960	4.45	478
1954	Mar. 10, 1954	4.17	403		Apr. 6, 1960	4.30	440
1955	May 8, 1955	3.72	275	1961	Apr. 3, 1961	3.31	217
1956	Mar. 25, 1956	6.20	1,090	1962	Feb. 9, 1962	4.35	445
	Apr. 11, 1956	4.81	583		Apr. 7, 1962	4.95	625
1957	Feb. 23, 1957	6.27	1,120	1963	Feb. 1, 1963	5.90	970
	Feb. 25, 1957	5.52	818		Apr. 7, 1963	4.09	378
	Mar. 31, 1957	4.97	631		May 1, 1963	4.21	408
	Apr. 6, 1957	5.14	684				

4035. Silver Creek above Suntex, Oreg.

(Published as "near Riley" 1904-6, 1909-11, and as "above Riley" 1912, 1914-18)

Location.--Lat 43°38', long 119°40', in NW¼ sec.30, T.22 S., R.26 E., on right bank 3 miles downstream from Nichols Creek and 3½ miles northwest of Suntex.

Drainage area.--260 sq mi, approximately.

Gage.--Nonrecording prior to Mar. 6, 1921; recording thereafter. Prior to Feb. 15, 1909, at site 300 ft downstream at different datum. Feb. 15, 1909, to Aug. 10, 1910, at described site at different datum. Datum of gage is 4,339.70 ft above mean sea level, unadjusted.

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Diversions for irrigation above station. Records for 1925, furnished by State engineer of Oregon. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1904	Apr. 14, 1904	13.95	a1,760	1916	Mar. 19, 1916	7.2	a698
1905	Mar. 18, 1905	8.90	a223	1917	Apr. 26, 1917	6.8	a642
				1918	Mar. 24,28, 1918	3.65	a236
1906	Apr. 19, 1906	12.7	a870				
				1919	Apr. 4, 1919	7.0	a645
1909	Apr.3,14,1909	6.90	a344	1920	Jan. 27, 1920	6.3	520
1911	Apr. 1, 1911	4.9	a475	1921	Apr. 3, 1921	6.58	590
1912	Apr. 30, 1912	-	b610	1922	Apr. 23, 1922	7.9	955
1913	Apr. 18, 1913	5.3	519	1923	Apr. 16, 1923	4.5	253
1914	Mar. 19, 1914	6.7	a701				
1915	Apr. 3, 1915	6.0	610	1925	Feb. 5, 1925	7.6	723

a Maximum observed.
b Estimated daily.

4060. Silver Creek near Narrows, Oreg.

Location.--Lat 43°23', long 119°22', in NW¼ sec.21, T.25 S., R.28 E., on right bank 14 miles southeast of Riley and 22 miles northwest of town of Narrows.

Drainage area.--630 sq mi, approximately.

Gage.--Nonrecording. Altitude of gage is 4,140 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements.

Remarks.--Only annual maximum observed discharges are shown.

Maximum observed stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1917	Apr. 29, 1917	4.5	419	1921	Apr. 5, 1921	4.75	391
				1922	Apr. 29, 1922	5.3	563
1919	Apr. 7, 1919	4.7	360	1923	Apr. 20, 1923	3.30	150
1920	Apr. 30, 1920	3.4	156				

CATLOW VALLEY BASIN

4063. Home Creek near Beckley, Oreg.
(Published as "near Narrows" 1911)

Location.--Lat 42°33', long 118°56', in NE¼ sec.10, T.35 S., R.32 E., on left bank 12 miles southeast of former town of Beckley and 19 miles south of Frenchglen.

Drainage area.--38 sq mi, approximately.

Gage.--Nonrecording. Prior to Mar. 13, 1930, at nearby site at different datums. Altitude of gage is 4,600 ft (from topographic map).

Stage-discharge relation.--Defined by current-meter measurements below 140 cfs.

Bankfull stage.--2.4 ft.

Remarks.--Records for 1930, furnished by State engineer of Oregon. Only annual peaks are shown.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1911	May 5, 1911	2.8	a75	1916	May 25, 1916	3.4	b104
1912	Apr. 27, 1912	4.7	b330	1917	May 1, 1917	4.5	250
1915	May 5, 1915	4.0	b165	1930	Apr. 8, 1930	1.30	b30

a For period May 5 to July 30, 1911.
b Maximum observed.

4065. Trout Creek near Denio, Nev.
(Published as "near Denio, Oreg." prior to 1962)

Location.--Lat 42°10', long 118°28', in SW¼ sec.26, T.39 S., R.36 E., on right bank 0.4 mile upstream from bridge at mouth of canyon, 5 miles east of Trout Creek Ranch, and 14 miles northeast of Denio.

Drainage area.--88 sq mi, approximately. Mean altitude, 5,920 ft.

Gage.--Nonrecording prior to Apr. 1, 1912, at bridge 0.4 mile downstream at different datum; recording thereafter. Apr. 28, 1922, to June 14, 1932, 10 ft upstream at datum 0.50 ft higher. Datum of gage is 4,351.52 ft above mean sea level, datum of 1929, supplementary adjustment of 1947.

Stage-discharge relation.--Defined by current-meter measurements below 230 cfs and extended above by logarithmic plotting.

Remarks.--Base for partial-duration series, 50 cfs. Only annual peaks are shown prior to 1925.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (cfs)
1911	June 5, 1911	2.25	a132
1922	May 19, 1922	3.07	149
1923	May 10, 1923	2.18	a39
1925	Apr. 16, 1925	2.63	92
	May 7, 1925	2.23	59
1926	May 5, 1926	2.56	85
1927	Apr. 29, 1927	3.00	128
	May 18, 1927	3.55	235
	June 8, 1927	2.52	120
	June 11, 1927	2.77	145
1928	May 9, 1928	3.08	138
1929	May 17, 1929	2.60	89
1930	Apr. 24, 1930	1.99	42
1931	May 2, 1931	1.98	46
1932	May 14, 1932	3.8	256
1933	Apr. 29, 1933	2.68	53
	May 31, 1933	3.25	102
	Aug. 1, 1933	5.26	470
1934	Oct. 30, 1934	2.36	31
1935	Apr. 15, 1935	3.00	85
	Apr. 30, 1935	3.03	88
	May 10, 1935	3.23	109
	May 30, 1935	3.70	163
1936	Apr. 24, 1936	2.93	78
	May 5, 1936	2.80	66
	May 14, 1936	2.83	69
	Aug. 12, 1936	2.90	75
1937	May 14, 1937	3.39	127
1938	Apr. 25, 1938	3.85	181
	May 1, 1938	4.05	206
	May 16, 1938	4.55	305
	May 27, 1938	3.91	187
1939	Mar. 25, 1939	2.67	55
	Apr. 4, 1939	2.67	52
1940	Apr. 26, 1940	2.88	81
	May 11, 1940	3.21	107
1941	May 12, 1941	3.31	124
	June 7, 1941	2.60	52
1942	Apr. 14, 1942	2.76	66
	Apr. 22, 1942	2.82	72
	May 23, 1942	4.24	239
1943	Feb. 22, 1943	2.65	56
	Apr. 8, 1943	3.00	90
	Apr. 18, 1943	3.21	112
	May 4, 1943	3.15	98
	June 1, 1943	2.94	74
1944	May 10, 1944	3.32	124
	May 30, 1944	2.73	61
1945	Apr. 22, 1945	3.00	89
	May 11, 1945	4.09	228
	June 1, 1945	3.26	113
1946	Apr. 26, 1946	3.18	101
1947	May 3, 1947	2.78	60
1948	May 7, 1948	2.72	56
	May 19, 1948	3.12	98
	May 27, 1948	3.06	91
	June 4, 1948	3.38	131
	June 18, 1948	3.33	125
1949	Apr. 24, 1949	2.72	56
	May 16, 1949	2.90	73
1950	May 18, 1950	-	83
	May 23, 1950	2.98	88
	May 31, 1950	-	58
1951	Apr. 28, 1951	2.95	84
	May 11, 1951	2.98	88
1952	Mar. 28, 1952	2.88	79
	Apr. 7, 1952	3.03	100
	Apr. 13, 1952	3.04	102
	Apr. 19, 1952	3.13	116
	Apr. 28, 1952	3.93	250
	May 8, 1952	3.80	180
	May 20, 1952	4.07	229
	June 29, 1952	3.30	111
1953	Apr. 28, 1953	2.76	54
	May 20, 1953	3.24	104
	June 1, 1953	3.64	156
	June 7, 1953	3.80	180
1954	Apr. 19, 1954	2.52	35
1955	May 12, 1955	2.67	51
	May 22, 1955	2.69	53
1956	Apr. 24, 1956	2.92	70
	May 4, 1956	2.99	74
	May 10, 1956	3.11	86
	May 21, 1956	3.34	112
1957	Apr. 30, 1957	3.46	133
	May 11, 1957	3.98	211

a Maximum observed.

Peak stages and discharges of Trout Creek near Denio, Nev.--Continued

Water year	Date	Gage height (feet)	Discharge (cfs)	Water year	Date	Gage height (feet)	Discharge (cfs)
1958	Feb. 15, 1958	3.03	83	1962	Apr. 25, 1962	3.05	87
	Apr. 22, 1958	3.19	100		May 8, 1962	3.03	84
	May 12, 1958	3.52	141		May 26, 1962	2.79	55
	May 19, 1958	3.50	138				
	June 3, 1958	3.07	87	1963	Jan. 31, 1963	b4.50	(c)
	June 11, 1958	3.06	86		Feb. 5, 1963	2.79	60
					Apr. 14, 1963	2.92	74
1959	May 26, 1959	2.47	35		May 1, 1963	3.22	110
					May 5, 1963	3.08	93
1960	May 13, 1960	3.04	80		May 20, 1963	3.22	110
	June 1, 1960	2.74	51		June 16, 1963	2.79	60
1961	June 4, 1961	3.16	77				

b Backwater from ice.
c Not determined.

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MAP OF THE GREAT BASIN SHOWING HYDROLOGIC AREAS AND LOCATION OF GAGING STATIONS FOR WHICH RECORDS ARE USED IN THIS REPORT

50 0 50 100 MILES

50 0 50 100 KILOMETERS

EXPLANATION

3
Hydrologic area

Boundary of hydrologic area

● 405
Gaging station

Flood peaks affected by regulation and diversion. General regional flood-frequency relations do not apply. See text section "Major rivers"

Area poorly defined by flood data

Boundary of lhydrologic area poorly definedl by flood data

Base compiled, with some modification, from River Basin Maps, IACWR, Subcommittee on Hydrology

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1965—W65219

MAP OF THE GREAT BASIN SHOWING FLOOD REGIONS

50 0 50 100 MILES

50 0 50 100 KILOMETERS

EXPLANATION

A
Flood region

Boundary of flood region

Flood peaks affected by regulation and diversion. General regional flood-frequency relations do not apply. See text section "Major rivers"

Area poorly defined by flood data

Boundary of flood region poorly defined by flood data

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