UNITED STATES DEPARTMENT OF THE INTERIOR

SURFACE WATER SUPPLY *of the* UNITED STATES 1936

PART 10

THE GREAT BASIN

Prepared in cooperation with the States of
CALIFORNIA, IDAHO, NEVADA, OREGON, UTAH, and WYOMING

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 810

UNITED STATES DEPARTMENT OF THE INTERIO
HAROLD L. ICKES, Secretary
GEOLOGICAL SURVEY
W. C. MENDENHALL, Director

Water-Supply Paper 810

SURFACE WATER SUPPL *of the* UNITED STATES 1936

PART 10
THE GREAT BASIN

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ILLUSTRATION

SCOPE OF WORK

This volume is one of a series of 14 reports presenting results of measurements of flow made on streams in the United States during the year ending September 30, 1936. The work was begun in 1888 in connection with special studies relating to irrigation. Measurements of stream flow have been made at about 7,200 points in the United States and also at many points in Alaska and the Hawaiian Islands. In July 1936, 3,160 gaging stations were being maintained by the Geological Survey and the cooperating organizations. Many miscellaneous discharge measurements were made at other points.

In the execution of the work many State and private organizations have cooperated, either by furnishing data or by assisting in collecting data. Acknowledgments for cooperation of the first kind are made in connection with the description of each station affected; cooperation of the second kind is acknowledged on page 7.

DEFINITION OF TERMS

The units in which stream-flow data are presented in this report and other terms used herein are defined as follows:

"Second-feet" is an abbreviation for "cubic feet per second." A second-foot is the rate of discharge of water flowing in a channel when the cross-sectional area is 1 square foot and the average velocity is 1 foot per second.

"Second-feet per square mile" is the average number of cubic feet of water flowing per second from each square mile of area drained, on the assumption that the run-off is distributed uniformly both as regards time and area.

"Run-off in inches" is the depth to which an area would be covered if all the water flowing from it in a given period were uniformly distributed on the surface. It is used for comparing run-off with rainfall, which is usually expressed in inches.

An "acre-foot", equivalent to 43,560 cubic feet, is the quantity required to cover an acre to the depth of 1 foot. The term is commonly used in connection with storage for irrigation.

"Second-foot-day" is the volume of water represented by a flow of 1 second-foot for 24 hours.

"Stage-discharge relation" is an abbreviation for the term "relation of gage height to discharge."

"Control is a term used to designate the natural section or reach of the channel or artificial structure below the gage which determines the stage-discharge relation at the gage.

EXPLANATION OF DATA

The base data collected at gaging stations consist of records of stage, measurements of discharge, and general information used to supplement the gage heights and discharge measurements in determining the daily flow. The records of stage are obtained either

from direct readings on a nonrecording gage or from a water-stage recorder that gives a continuous record of the fluctuations. Measurements of discharge are made with a current meter by the general methods outlined in standard textbooks on the measurement of river discharge. Typical gaging stations, equipped with water-stage recorder and measuring cable and car, are shown on plate 1.

Rating tables giving the discharge for any stage are prepared from the discharge measurements. The application of the daily gage height to these rating tables gives the daily discharge from which the monthly and yearly mean discharge is computed.

The data presented for each gaging station in the area covered by this report usually comprise a description of the station, a table showing the daily discharge of the stream, and a table of monthly and yearly discharge and run-off. Skeleton rating tables are published except for those stations whose daily discharge for the greater part of the year was determined by shifting-control method or by use of slope or other special methods.

The description of the station gives the type of gage, its latitude and longitude determined from the best available maps, and information in regard to diversions that decrease the flow at the gage, artificial regulation from pondage or storage, and the accuracy of the records. Under "Average discharge" is given the average discharge for the number of years indicated. It is given only for stations for which there are 10 or more complete years of record. Information under "Extremes" gives the maximum discharge and gage height; the minimum discharge if there is little or no regulation; the minimum daily discharge if there is extensive regulation, and also the minimum discharge if useful; and the minimum gage height except when it is of no importance. Unless otherwise qualified, the maximum discharge corresponds to the crest stage obtained by use of a water-stage recorder or a nonrecording gage read at the time of the crest. Likewise the minimum represents the lowest discharge unless otherwise qualified.

The table of daily discharge gives, for stations equipped with nonrecording gages, the discharge in second-feet corresponding to once-daily or the mean of twice-daily readings of the gage. For stations equipped with water-stage recorders the table gives the discharge corresponding to the mean daily gage height except for stations on streams subject to sudden or rapid fluctuation. For stations subject to such fluctuation the mean daily gage height may not indicate the true mean daily discharge, which must be obtained by averaging the discharge for intervals of the day or by using the discharge integrator, an instrument for obtaining the mean daily discharge from a continuous gage-height graph and containing as an essential element the rating curve of the station.

In the table of monthly discharge the column headed "Second-foot-days" gives the sum for each month of the discharge given in the table of daily discharge. The column headed "Maximum" gives the maximum daily discharge and not the discharge when the water surface was at crest height. Likewise, in the column headed "Minimum" the quantity given is the minimum daily discharge. The column headed "Mean" is the average flow in cubic feet per second during the month.

ACCURACY OF FIELD DATA AND COMPUTED RESULTS

The accuracy of stream-flow data depends primarily (1) on the permanency of the stage-discharge relation and (2) on the accuracy of observation of stage, measurements of flow, and interpretation of records.

The station description gives a statement in regard to the general accuracy of the records. "Excellent" indicates that, in general, the daily records are accurate within

A. ARTIFICIAL CONTROL, RECORDER HOUSE, AND MEASURING CABLE ON OLENTANGY RIVER, DELAWARE, OHIO.

B. RECORDER HOUSE AND MEASURING CABLE ON KAWEAH RIVER, THREE RIVERS, CALIF.

TYPICAL RIVER-MEASUREMENT STATIONS.

5 percent; "good", within 10 percent; "fair", within 15 percent; and "poor", within 20 percent or more.

The monthly means for any station may represent with high accuracy the quantity of water flowing past the gage, but the figures showing discharge per square mile and depth in inches may be subject to gross errors caused by the inclusion of large noncontributing districts in the measured drainage area, by lack of information concerning water diverted for irrigation or other use, or by inability to interpret the effect of artificial regulation of the flow of the river above the station. "Second-feet per square mile" and "run-off in inches" are therefore not computed if such errors appear probable. The computations are also omitted for stations on streams draining areas in which the annual rainfall is less than 20 inches.

Many gaging stations on streams in the irrigated areas of the United States are situated above most of the diversions from those streams, and the discharge recorded does not show the water supply available for further development, as prior appropriations below the station must first be satisfied.

The table of monthly discharge gives a general idea of the flow at the station. The table of daily discharge allows more detailed studies of the variation in flow. It should be borne in mind, however, that the observations in each succeeding year may be expected to throw new light on data previously published, and that greater degrees of refinement in computations and records may be warranted with increased data and use of improved equipment.

PUBLICATIONS

The results of stream-flow measurements are now published annually in 14 parts, each part covering an area whose boundaries coincide with natural drainage features as indicated below:

Part 1. North Atlantic slope basins (St. John River to York River).
2. South Atlantic slope and eastern Gulf of Mexico basins (James River to Mississippi River).
3. Ohio River Basin.
4. St. Lawrence River Basin.
5. Hudson Bay and upper Mississippi River basins.
6. Missouri River Basin.
7. Lower Mississippi River Basin.
8. Western Gulf of Mexico basins.
9. Colorado River Basin.
10. The Great Basin.
11. Pacific slope basins in California.
12. Pacific slope basins in Washington and upper Columbia River Basin.
13. Snake River Basin.
14. Pacific slope basins in Oregon and lower Columbia River Basin.

Water-supply papers and other publications of the Geological Survey containing data in regard to the water resources of the United States may be obtained or consulted as indicated below.

1. Copies may be purchased at nominal cost from the Superintendent of Documents, Government Printing Office, Washington, D. C., who will, on application, furnish lists giving prices.

2. Sets of the reports may be consulted in the libraries of the principal cities in the United States.

3. Sets are available for consultation in the local offices of the water-resources branch of the Geological Survey as follows:

Augusta, Maine, Statehouse.
Boston, Mass., 945 Post Office Building.
Hartford, Conn., 203 Federal Building.
Albany, N. Y., 526 Federal Building.
Trenton, N. J., 228 Federal Building.

Harrisburg, Pa., 490 Education Building.
Charlottesville, Va., University of Virginia.
South Charleston, W. Va., Naval Ordnance Plant.
Asheville, N. C., 220 Post Office Building.
Columbia, S. C., 119 United States Courthouse.
Atlanta, Ga., Georgia School of Technology.
Ocala, Fla., Post Office Building.
Montgomery, Ala., Post Office Building.
Chattanooga, Tenn., 442 Post Office Building.
Columbus, Ohio, Engineering Experiment Station, Ohio State University.
Indianapolis, Ind., 319 Federal Building.
Urbana, Ill., 14 Post Office Annex.
Madison, Wis., 337N State Capitol.
St. Paul, Minn., 808 New Post Office Building.
Iowa City, Iowa, 402 Hydraulic Laboratory, University of Iowa.
St. Louis, Mo., 906 Customhouse, 1114 Market Street.
Rolla, Mo., Missouri Geological Survey Building, Missouri School of Mines and Metallurgy.
Topeka, Kans., 305 Federal Building.
Fort Smith, Ark., Post Office Building.
Austin, Tex., State Highway Building.
Santa Fe, N. Mex., 3 United States Courthouse.
Tucson, Ariz., 210 Post Office Building.
Denver, Colo., 230 Customhouse.
Salt Lake City, Utah, 303 Federal Building.
Idaho Falls, Idaho, 228 Federal Building.
Boise, Idaho, 429 Federal Building.
Helena, Mont., 412 Federal Building.
Tacoma, Wash., 406 Federal Building.
Portland, Oreg., 606 Post Office Building.
San Francisco, Calif., 303 Customhouse.
Los Angeles, Calif., 512 Eighth and Figueroa Building.
Honolulu, Hawaii, 225 Federal Building.

A list of the Geological Survey publications may be obtained by applying to the Director, Geological Survey, Washington, D. C.

Records of flow of streams in the United States have been published in the reports tabulated as follows:

Stream-flow data in reports of the Geological Survey

(A = Annual Report; B = Bulletin; W = Water-Supply Paper)

Report	Character of data	Year
10th A, pt. 2	Descriptive information only.....	
11th A, pt. 2	Monthly discharge and descriptive information	1884 to Sept. 1890.
12th A, pt. 2	....do.....	1884 to June 30, 1891.
13th A, pt. 3	....do.....	1884 to Dec. 31, 1892.
14th A, pt. 2	Monthly discharge (long-time records, 1871-93).....	1888 to Dec. 31, 1893.
B 131.....	Descriptions, measurements, gage heights, and ratings.	1893-94.
16th A, pt. 2	Descriptive information only.....	
B 140.....	Descriptions, measurements, gage heights, ratings, and monthly discharge (also many data covering earlier years).	1895.
W 11.....	Gage heights (also gage heights for earlier years)	1896.
18th A, pt. 4	Descriptions, measurements, ratings, and monthly discharge (also similar data for some earlier years).	1895-96.
W 15.....	Descriptions, measurements, and gage heights, eastern United States, eastern Mississippi River, and Missouri River above junction with Kansas River.	1897.
W 16.....	Descriptions, measurements, and gage heights, western Mississippi River below junction of Missouri and Platte Rivers, and western United States.	1897.
19th A, pt. 4	Descriptions, measurements, ratings, and monthly discharge (also some long-time records).	1897.
W 27.....	Measurements, ratings, and gage heights, eastern United States, eastern Mississippi River, and Missouri River.	1898.
W 28.....	Measurements, ratings, and gage heights, Arkansas River and western United States.	1898.
20th A, pt. 4	Monthly discharge (also for many earlier years).	1898.
W 35 to 39...	Descriptions, measurements, gage heights, and ratings.	1899.
21st A, pt. 4	Monthly discharge.....	1899.
W 47 to 52...	Descriptions, measurements, gage heights, and ratings.	1900.
22d A, pt. 4.	Monthly discharge.....	1900.
W 65, 66.....	Descriptions, measurements, gage heights, and ratings.	1901.
W 75.....	Monthly discharge.....	1901.

Note.- The reports which contain records after 1901 are given in the table on page 6.

The records at most of the stations discussed in these reports extend over a series of years. Miscellaneous measurements at many points other than regular gaging stations have been made each year and are published under "Miscellaneous discharge measurements" at the end of each report in the same relative order as the regular gaging stations. An index of the reports containing records obtained prior to 1904 has been published in Water-Supply Paper 119.

The following table gives, by years and drainage basins, the numbers of the papers on surface-water supply published from 1899 to 1936. The data for any particular station will, in general, be found in the reports covering the years during which the station was maintained. For example, data from 1910 to 1920 for any station in the area covered by part 3 are published in Water-Supply Papers 283, 303, 323, 353, 383, 403, 433, 453, 473, and 503, which contain records for the Ohio River Basin for those years. Special papers containing compilation of records previously published and also records not contained in the annual series of water-supply papers have been published for some States and drainage basins. For example, stream-flow records for the New-Kanawha River Basin in part 3 from 1895 to 1920 are contained in Water-Supply Paper 536.

Numbers of water-supply papers containing results of stream measurements, 1899-1936

(For basins included see p. 3)

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1899 a...	35	b 35, 36	36	36	36	c 36, 37	37	37	d 37, 38	38, e 39	38, f 39	38	38	38
1900 g...	47, h 48	48	48, i 49	49	49	49, j 50	50	50	50	51	51	51	51	51
1901.....	65, 75	65, 75	65, 75	65, 75	k 65, 66, 75	66, 75	k 65, 66, 75	66, 75	66, 75	66, 75	66, 75	66, 75	66, 75	66, 75
1902.....	82	b 82, 83	83	m 82, 83	k 83, 85	84	k 83, 84	84	85	85	85	85	85	85
1903.....	97	b 97, 98	98	97	k 98, 99, n 100	99	k 98, 99	99	100	100	100	100	100	100
1904.....	o 124, p 125, q 126	q 126, 127	128	129	k 128, 130	130, r 131	k 128, 131	132	133	133, s 134	134	135	135	135
1905.....	o 165, p 166, q 167	q 167, 168	169	170	171	172	k 169, 173	174	175, t 177	176, s 177	177	178	178	u 177, 178
1906.....	o 201, p 202, q 203	q 203, 204	205	206	207	208	k 205, 209	210	211, t 213	212, s 213	213	214	214	214
1907-8...	241	242	243	244	245	246	247	248	249	250, s 251	251	252	252	252
1909.....	261	262	263	264	265	266	267	268	269	270, s 271	271	272	272	272
1910.....	281	282	283	284	285	286	287	288	289	290	291	292	292	292
1911.....	301	302	303	304	305	306	307	308	309	310	311	312	312	312
1912.....	321	322	323	324	325	326	327	328	329	330	331	332-A	332-B	332-C
1913.....	351	352	353	354	355	356	357	358	359	360	361	362-A	362-B	362-C
1914.....	381	382	383	384	385	386	387	388	389	390	391	392	393	394
1915.....	401	402	403	404	405	406	407	408	409	410	411	412	413	414
1916.....	431	432	433	434	435	436	437	438	439	440	441	442	443	444
1917.....	451	452	453	454	455	456	457	458	459	460	461	462	463	464
1918.....	471	472	473	474	475	476	477	478	479	480	481	482	483	484
1919-20..	501	502	503	504	505	506	507	508	509	510	511	512	513	514
1921.....	521	522	523	524	525	526	527	528	529	530	531	532	533	534
1922.....	541	542	543	544	545	546	547	548	549	550	551	552	553	554
1923.....	561	562	563	564	565	566	567	568	569	570	571	572	573	574
1924.....	581	582	583	584	585	586	587	588	589	590	591	592	593	594
1925.....	601	602	603	604	605	606	607	608	609	610	611	612	613	614
1926.....	621	622	623	624	625	626	627	628	629	630	631	632	633	634
1927.....	641	642	643	644	645	646	647	648	649	650	651	652	653	654
1928.....	661	662	663	664	665	666	667	668	669	670	671	672	673	674
1929.....	681	682	683	684	685	686	687	688	689	690	691	692	693	694
1930.....	696	697	698	699	700	701	702	703	704	705	706	707	708	709
1931.....	711	712	713	714	715	716	717	718	719	720	721	722	723	724
1932.....	726	727	728	729	730	731	732	733	734	735	736	737	738	739
1933.....	741	742	743	744	745	746	747	748	749	750	751	752	753	754
1934.....	756	757	758	759	760	761	762	763	764	765	766	767	768	769
1935.....	781	782	783	784	785	786	787	788	789	790	791	792	793	794
1936.....	801	802	803	804	805	806	807	808	809	810	811	812	813	814

a Rating tables and index to Water-Supply Papers 35-39 contained in Water-Supply Paper 39. Tables of monthly discharge for 1899 in 21st Annual Report, part 4.
b James River only.
c Gallatin River.
d Green and Gunnison Rivers and Colorado River above Gunnison River.
e Mojave River only.
f Kings and Kern Rivers and south Pacific slope basins.
g Rating tables and index to Water-Supply Papers 47-52 and data on precipitation, wells, and irrigation in California and Utah contained in Water-Supply Paper 52. Monthly discharge for 1900 in 22d Annual Report, part 4.
h Wissahickon and Schuylkill Rivers to James River.
i Scioto River.
j Loup, Platte, and Elkhorn Rivers and tributaries below Platte River.
k Tributaries of Mississippi River from east.
m Lake Ontario and tributaries to St. Lawrence River proper.
n Hudson Bay only.
o New England rivers only.
p Hudson River to Delaware River, inclusive.
q Susquehanna River to Yadkin River, inclusive.
r Platte and Kansas Rivers.
s The Great Basin in California, except Truckee and Carson River Basins.
t Below junction with Gila River.
u Rogue, Umpqua, and Siletz Rivers only.

RECORDS OF DISCHARGE COLLECTED BY AGENCIES OTHER THAN THE GEOLOGICAL SURVEY

The following table contains a list of gaging stations for the area covered by this report at which records of discharge were collected during the year ending September 30, 1936, by agencies other than the Geological Survey. The records for these stations are not contained in publications of the Geological Survey.

Records of discharge collected by agencies other than the Geological Survey

Stream	Location	Period	Operated by	Remarks
Ana River.....	Below dam 6 miles northeast of Summer Lake, Oreg.	1929-36	State engineer.....	1929-30 published in Bulletin 8 of Oregon State engineer; 1931-36 unpublished.
East Canyon Creek.	Morgan, Utah, above reservoir.	1932-36	Weber River water commissioner.	In water commissioner's annual reports.....
Do.....	Morgan, Utah, below reservoir.	1932-36	....do.....	Do.
East Canyon Reservoir.	Morgan, Utah.....	1932-36	....do.....	Do.
Honey Creek.....	1½ miles northwest of Plush, Oreg.	1909-15, 1921-22, 1930-36	State engineer.....	Records to 1922 published in water-supply papers; 1930 published in Bulletin 8 of Oregon State engineer; 1931-36 unpublished.
Ogden River, main branches and other streams tributary to reservoir area..	Huntsville, Utah, above backwater of Pine View Reservoir.	1935-36	U. S. Bureau of Reclamation.	In report of hydrological investigation of Ogden River project.
Ogden River.....	Ogden, Utah, at mouth of canyon.	1935-36	....do.....	Do.
Otter Creek (outlet).	Antimony, Utah, former U. S. Geological Survey gaging station published as near Coyote.	*1920-36	Sevier River water commissioner.	In water commissioner's annual reports.
Otter Creek Reservoir.	Antimony, Utah, former U. S. Geological Survey gaging station published as near Coyote.	*1915-36	....do.....	Do.
Sevier River.....	Delta, Utah, former U. S. Geological Survey gaging station.	*1920-36	....do.....	Do.
Spanish Fork.....	Cold Springs, Utah, former U. S. Geological Survey gaging station published as at Castilla.	1926-36	Spanish Fork Water Users Association.	In Strawberry Valley project and water commissioner reports.
Spanish Fork.....	Thistle, Utah, former U. S. Geological Survey gaging station.	1926-36	....do.....	Do.
Strawberry Tunnel outlet.	West Portal, Utah.	1913-36	....do.....	Do.
Thompson Valley Reservoir.....	12 miles south of Silver Lake, Oreg.	1922-28, 1930-36	State engineer.....	Records to 1930 published in Bulletin 8 of Oregon State engineer; 1931-36 unpublished.
Wheeler Creek....	Ogden, Utah, near mouth.	1935-36	U. S. Bureau of Reclamation.	In report of hydrological investigation of Ogden River project.

*Fragmentary.

Note.- Records of discharge are also collected for many canal and ditch diversions, with miscellaneous and fragmentary records for several natural streams. These records are published in water commissioner and project reports for the following river basins: Bear, Beaver, Carson, Humboldt, Jordan, Ogden, Provo, Spanish Fork, Sevier, Truckee, Walker, and Weber.

COOPERATION

The work was done under cooperative agreements with the several States as follows: In California with the State Department of Public Works, Earl Lee Kelly, director, and Edward Hyatt, State engineer, and with San Bernardino and Los Angeles Counties; in Idaho with the commissioner of reclamation, R. W. Faris; in Nevada with the office

of the State engineer, Alfred Merritt Smith; in Oregon with the office of the State engineer, Charles E. Stricklin; in Utah with the office of the State engineer, T. H. Humpherys; and in Wyoming with the office of the State engineer, E. W. Burritt, succeeded by John D. Quinn.

Assistance in collecting records was rendered by the following organizations and corporations: In California by the Walker River Irrigation District; in Utah by the United States Bureau of Reclamation, Utah Power & Light Co. and Logan, Hyde Park & Smithfield Canal Co.

DIVISION OF WORK

The data for the stations in the several States were collected and prepared for publication under supervision of district engineers as follows: In California (except in Walker Lake Basin), H. D. McGlashan; in Idaho (except those on Bear River), Thomas R. Newell; in Oregon, G. H. Canfield, the work being done in collaboration with Charles E. Stricklin, State engineer; in Utah, Nevada, and stations on Bear River in Idaho and in Walker Lake Basin in California, A. B. Purton; in Wyoming, Robert Follansbee.

GREAT SALT LAKE BASIN

Gages on Great Salt Lake, Utah

Location.- Staff gages, lat. 40°46'30", long. 112°10'20", at Saltair, on southeast shore of lake, 15 miles west of Salt Lake City, and at Midlake, lat. 41°13', long. 112°36', on Lucin cut-off of Southern Pacific Railroad 30 miles west of Ogden, Weber County, Utah. Zero of Saltair gage is 4,196.85 feet above mean sea level; zero of Midlake gage is 4,198.0 feet above mean sea level.

Records available.- September 1875 to December 1899, March to July 1904, October 1912 to September 1936 in reports of U. S. Geological Survey; July 1903 to December 1934 in reports of U. S. Weather Bureau.

Extremes.- Maximum elevation during year, 4,195.85 feet June 15 at Saltair gage, also June 1 and 15 at Midlake gage; minimum, 4,193.75 feet Nov. 15 at Saltair gage.
1850-1936: Maximum elevation observed, 4,211.3 feet July 12, 1877; estimated maximum, 4,212.5 feet in 1868 (data furnished by Marcus E. Jones, Salt Lake City); minimum, that of Nov. 15, 1935.

Remarks.- Apparent inconsistencies in readings are probably due largely to the effect of wind, as the two gages are about 40 miles apart. Readings on Midlake gage are furnished by the Southern Pacific Railroad.

Gage height, in feet, of Great Salt Lake, Utah, water year 1935-36

Day	Saltair	Midlake
Oct. 1	-2.7	-3.9
15	-2.85	-4.0
Nov. 1	-3.05	-4.1
15	-3.1	-4.15
Dec. 1	-3.0	-4.1
15	-2.95	-4.0
Jan. 1	-2.9	-4.0
15	-2.75	-3.85
Feb. 1	-2.65	-3.65
15	-2.45	-3.6
Mar. 1	-2.1	-3.15
15	-1.9	-3.0
Apr. 1	-1.85	-2.9
15	-1.65	-2.75
May 1	-1.4	-2.5
15	-1.15	-2.25
June 1	-1.1	-2.15
15	-1.0	-2.15
July 1	-1.15	-2.35
15	-1.3	-2.5
Aug. 1	-1.5	-2.75
15	-1.8	-2.85
Sept. 1	-2.1	-3.25
15	-2.35	-3.4

Bear River near Evanston, Wyo.

Location.- Water-stage recorder, lat. 41°19', long. 111°1', in sec. 1, T. 15 N., R. 121 W., 300 feet above highway bridge and 3½ miles northwest of Evanston.

Drainage area.- 645 square miles.

Records available.- October 1913 to September 1936.

Average discharge.- 23 years, 244 second-feet.

Extremes.- Maximum discharge during year, 2,280 second-feet May 16 (gage height, 5.78 feet); minimum mean daily discharge, 2.7 second-feet Oct. 11, 12, 14.
1913-36: Maximum discharge, 3,690 second-feet June 14, 1921 (gage height, 6.35 feet); no flow during periods in 1924, 1931, 1933, 1934.

Remarks.- Records excellent except those for period of ice effect, Dec. 14 to Apr. 6, which were computed on basis of three discharge measurements, gage heights, and weather records and are fair. Some diversions for irrigation above station.

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)

0.6	2.0	1.8	145	4.0	1,000
.8	5.8	2.0	192	4.5	1,240
1.0	17	2.5	336	5.0	1,560
1.2	39	3.0	550	5.5	1,920
1.4	69	3.5	775	6.0	2,700
1.6	104				

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.4	3.6	22	28	25	48	50	806	1,430	124	226	42
2	3.4	3.6	22	26	24	48	50	716	1,120	104	226	35
3	3.1	4.9	18	26	24	47	60	780	901	66	226	30
4	3.2	4.9	14	26	25	46	58	968	784	34	195	66
5	3.2	4.0	16	28	24	45	60	1,200	824	27	175	100
6	3.5	5.8	17	20	25	44	62	1,380	816	35	168	81
7	3.5	8.9	17	18	28	44	64	1,110	685	34	137	67
8	3.6	6.8	20	18	24	45	63	865	694	30	106	58
9	3.1	6.8	22	26	28	47	72	856	694	27	93	52
10	2.8	5.8	21	32	32	50	91	1,070	626	23	102	47
11	2.7	3.6	30	36	40	56	122	1,360	618	46	173	47
12	2.7	3.6	26	36	42	54	178	1,580	644	302	145	46
13	2.8	3.6	27	34	43	52	236	1,710	676	1,160	143	39
14	2.7	6.3	23	33	44	50	287	1,780	658	586	116	38
15	2.9	5.8	20	33	43	52	340	1,890	622	312	84	38
16	2.9	6.8	15	30	41	56	559	2,050	586	228	72	39
17	3.0	9.4	16	23	40	61	896	1,830	523	202	86	39
18	3.4	14	15	22	36	59	1,260	1,730	469	168	86	34
19	3.5	11	16	26	39	66	1,290	1,600	428	141	66	30
20	3.5	7.9	18	32	40	64	1,220	1,620	347	120	53	30
21	3.4	7.9	22	34	41	59	1,200	1,440	305	104	52	30
22	3.2	8.9	24	36	44	52	1,130	1,140	272	93	55	30
23	3.4	12	25	35	43	48	1,100	1,090	226	79	47	29
24	3.4	15	25	32	41	46	1,080	1,300	210	64	38	27
25	3.4	19	25	30	38	48	1,070	1,250	213	53	30	25
26	3.4	19	28	29	40	52	1,030	1,310	182	42	24	23
27	3.6	12	30	24	42	56	1,000	1,350	154	38	21	23
28	4.0	11	31	26	44	60	901	1,290	152	30	19	23
29	3.6	22	32	24	46	62	892	1,190	175	61	18	21
30	4.5	22	31	23	-	58	838	1,220	156	275	18	20
31	4.5	-	30	24	-	52	-	1,290	-	192	24	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	103.3	4.5	2.7	3.33	205
November	275.9	22	3.6	9.20	547
December	698	32	14	22.5	1,380
Calendar year 1935	54,452.5	2,000	2.2	149	108,000
January	870	36	18	28.1	1,730
February	1,046	46	24	36.1	2,070
March	1,627	66	44	52.5	3,230
April	17,259	1,290	50	575	34,230
May	40,771	2,050	716	1,315	80,870
June	16,190	1,430	152	540	32,110
July	4,800	1,160	23	155	9,520
August	3,024	226	18	97.5	6,000
September	1,209	100	20	40.3	2,400
Water year 1935-36	87,873.2	2,050	2.7	240	174,300

Bear River at Harer, Idaho

Location.- Water-stage recorder, lat. 42°11'50", long. 111°10'5", in NW¼ sec. 23, T. 14 S., R. 45 E., 400 feet below mouth of Sheep Creek, three-quarters of a mile north of Harer siding on Oregon Short Line Railroad, and 5 miles east of Dingle.

Drainage area.- 2,780 square miles.

Records available.- June 1913 to September 1916, January 1919 to September 1936.

Average discharge.- 20 years, 543 second-feet.

Extremes.- Maximum daily discharge during year, 3,040 second-feet May 19; minimum, 100 second-feet Jan. 5-10.
1913-16, 1919-36: Maximum discharge, 3,860 second-feet June 2, 1920 (gage height, 10.51 feet); minimum daily discharge, 26 second-feet Aug. 21-27, 1934.

Remarks.- Records good except those for Nov. 1-6, 11-17, Nov. 23 to Apr. 14, which were computed on basis of three discharge measurements and records of discharge at Stewart Dam and are fair. Numerous diversions for irrigation above station. Records collected by Utah Power & Light Co. under general supervision of U. S. Geological Survey in connection with a Federal Power Commission project.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	101	164	160	105	105	130	220	2,270	2,320	477	364	205
2	103	164	160	105	105	135	210	2,240	2,340	456	371	213
3	106	164	160	105	105	135	200	2,220	2,320	422	367	215
4	110	164	160	105	105	135	180	2,200	2,270	398	381	215
5	103	164	160	100	105	140	180	2,280	2,220	384	408	215
6	103	164	160	100	105	155	180	2,450	2,190	378	432	215
7	103	164	160	100	105	155	180	2,630	2,150	371	432	215
8	105	169	160	100	105	160	180	2,740	2,060	405	425	215
9	106	174	155	100	105	165	185	2,640	1,920	425	412	215
10	106	179	155	100	105	170	190	2,530	1,730	405	374	213
11	106	170	155	102	105	170	210	2,540	1,520	408	361	210
12	110	170	150	105	105	170	240	2,600	1,350	422	358	208
13	114	170	145	110	105	170	280	2,680	1,160	466	348	205
14	112	170	140	110	107	165	320	2,760	1,040	484	345	205
15	112	170	135	115	110	160	374	2,820	996	463	329	200
16	114	170	130	115	110	162	452	2,880	960	456	320	197
17	116	170	125	115	110	205	633	2,960	928	473	314	200
18	116	166	125	110	115	210	880	3,020	808	563	308	210
19	122	169	125	110	115	210	1,130	3,040	758	524	305	210
20	143	166	125	110	115	210	1,650	3,000	724	480	299	210
21	148	166	125	110	115	220	1,760	2,960	686	452	284	205
22	148	159	120	110	115	220	1,960	2,980	678	432	272	202
23	164	165	120	110	120	220	2,130	3,000	682	391	255	200
24	166	165	120	110	120	220	2,250	2,980	648	367	244	197
25	164	165	120	105	120	215	2,340	2,920	603	354	234	195
26	166	165	120	105	120	215	2,400	2,820	574	342	234	192
27	166	165	115	105	120	220	2,400	2,700	534	338	226	190
28	166	165	115	105	120	230	2,380	2,590	509	332	221	187
29	164	165	115	105	125	235	2,350	2,500	506	326	213	187
30	162	165	115	105	-	235	2,300	2,420	506	326	210	192
31	164	-	115	105	-	230	-	2,340	-	332	202	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,989	166	101	129	7,910
November	5,006	179	164	167	9,930
December	4,245	160	115	137	8,420
Calendar year 1935	83,638	1,510	73	229	272,300
January	3,297	115	100	106	6,540
February	3,222	125	105	111	6,390
March	5,772	235	130	186	11,450
April	30,344	2,400	180	1,010	60,190
May	82,710	3,040	2,200	2,670	164,100
June	37,690	2,340	506	1,260	74,760
July	12,852	563	326	415	25,490
August	9,848	432	202	318	19,530
September	6,138	215	187	205	12,170
Water year 1935-36	205,113	3,040	100	560	406,800

Bear River at Alexander, Idaho

Location.- Water-stage recorder, lat. 42°39', long. 111°42', in NW¼ sec. 17, T. 9 S., R. 41 E., 600 feet downstream from Soda hydroelectric plant of Utah Power & Light Co. 0.5 mile southeast of Alexander and 5 miles below mouth of Soda Creek.

Drainage area.- 3,840 square miles.

Records available.- March 1911 to September 1916, April 1919 to September 1936.

Average discharge.- 21 years (1911-16, 1919-20, 1921-36), 844 second-feet.

Extremes.- Maximum daily discharge during year, 2,450 second-feet Apr. 21; minimum, 47 second-feet Dec. 31.
1911-16, 1919-36: Maximum discharge, 4,590 second-feet May 9, 1922; maximum gage height, 15.95 feet Dec. 11, 1919; minimum discharge, about 28 second-feet, when reservoir gates are closed.

Remarks.- Records good. Discharge Oct. 1-14, Oct. 18 to Nov. 29, Jan. 13 to Feb. 18, July 1-7, 13-19, 24-31, Aug. 1-13, Sept. 21-30 computed on basis of kilowatt-hours output of power plant. Numerous diversions for irrigation above station. Regulation caused by storage in Bear Lake Reservoir and operations at Soda hydroelectric plant. Records collected by Utah Power & Light Co., under general supervision of U. S. Geological Survey in connection with a Federal Power Commission project.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	240	160	223	90	115	104	239	988	786	705	640	442
2	190	135	243	130	135	247	350	1,060	832	800	585	508
3	175	145	234	129	155	255	364	1,020	786	775	615	469
4	190	150	183	175	250	215	323	1,020	794	420	630	457
5	245	130	161	131	200	184	301	1,030	824	420	645	446
6	130	210	110	212	250	172	445	1,130	735	755	640	297
7	230	215	180	150	155	161	490	1,230	720	930	570	338
8	120	150	113	191	200	177	270	1,220	672	770	490	458
9	120	230	150	147	155	223	216	1,070	644	832	460	534
10	150	150	181	197	135	225	177	979	631	802	570	480
11	130	130	161	163	2e0	200	92	945	605	697	535	531
12	100	135	176	60	250	138	52	854	579	478	530	469
13	130	150	194	175	250	177	50	879	554	725	460	381
14	115	215	172	175	225	240	83	979	542	825	426	481
15	121	215	151	175	225	223	81	1,030	517	855	409	416
16	125	215	150	115	135	265	81	1,030	523	730	548	432
17	143	125	172	175	225	245	95	1,110	511	735	535	464
18	130	240	175	135	175	228	1,700	1,160	458	790	529	451
19	140	220	176	95	227	229	1,940	1,000	453	530	523	467
20	130	190	174	115	253	167	2,420	937	458	827	643	361
21	160	200	170	170	227	186	2,450	920	458	865	605	455
22	155	175	150	135	133	223	2,250	808	511	890	511	400
23	155	190	99	135	210	217	2,070	954	560	904	505	285
24	155	150	133	135	312	283	1,680	832	567	675	548	365
25	155	170	91	135	195	222	1,580	779	573	780	576	340
26	130	175	193	95	272	280	1,500	750	605	745	484	385
27	135	170	195	175	279	294	1,170	638	605	860	482	335
28	135	150	201	135	277	291	1,130	598	409	860	490	250
29	130	200	49	155	149	306	1,040	735	691	740	471	250
30	145	184	135	155	-	186	920	624	618	820	515	240
31	140	-	47	175	-	236	-	651	-	660	494	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,649	245	100	150	9,220
November	5,254	240	125	175	10,420
December	4,942	243	47	159	9,800
Calendar year 1935	137,301	1,150	44	376	272,300
January	4,535	212	60	146	9,000
February	6,049	312	115	209	12,000
March	6,797	306	104	219	13,480
April	25,559	2,450	50	852	50,700
May	28,960	1,230	598	934	57,440
June	18,221	832	409	607	36,140
July	23,190	930	420	748	46,000
August	16,664	645	409	538	33,050
September	12,187	534	240	406	24,170
Water year 1935-36	157,007	2,450	47	429	311,400

Bear River near Weston, Idaho

Location.- Water-stage recorder, lat. 42°1'50", long. 111°55'15", in SW¼SE¼ sec. 17, T. 16 S., R. 39 E., at Weston-Fairview highway bridge 3 miles east of Weston.

Records available.- October 1919 to December 1932, February 1934 to September 1936. Comparable records obtained near Preston, Idaho, October 1889 to January 1917.

Average discharge.- 15 years (1919-32, 1934-36), 1,022 second-feet.

Extremes.- Maximum daily discharge during year, 2,990 second-feet Apr. 22; minimum daily discharge recorded, 128 second-feet June 25.
1919-32, 1934-36: Maximum discharge, 6,100 second-feet May 8 or 9, 1922 (gage height, 12.1 feet); minimum daily discharge, 30 second-feet Apr. 29, 1934.

Remarks.- Records fair. Mean monthly discharge December, January, February, and March based on discharge records at Oneida. West Cache Canal and numerous irrigation ditches divert above station. Regulation caused by storage in Bear Lake Reservoir and operation of power plants above gage. Records furnished by Utah Power & Light Co.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	294	272					782	1,920	648	340	508	456
2	220	263					912	1,860	740	328	474	416
3	235	330					957	1,870	856	334	453	450
4	217	260					1,030	1,890	806	289	471	325
5	339	263					996	1,950	838	268	468	484
6	392	244					852	2,080	803	307	331	441
7	255	306					1,060	1,840	775	589	385	301
8	235	309					1,030	1,760	758	573	420	298
9	263	286					604	1,920	758	545	367	328
10	244	383					856	1,820	758	539	265	494
11	246	258					887	1,720	782	598	325	456
12	286	348					1,000	1,650	524	487	399	450
13	280	277					992	1,680	429	429	388	459
14	220	200					1,200	1,570	508	484	364	435
15	316	354					1,240	1,580	539	848	307	413
16	225	318					1,510	1,630	744	672	259	438
17	249	370					1,640	1,610	651	607	334	392
18	300	348					1,540	1,600	399	487	444	471
19	205	466					2,140	1,590	283	456	379	480
20	263	348					2,880	1,620	247	459	373	435
21	255	336					2,930	1,520	223	586	477	474
22	327	269					2,990	1,360	313	562	402	367
23	288	235					2,830	1,200	432	583	376	536
24	260	364					2,840	1,140	199	648	349	396
25	258	294					2,800	1,140	128	542	410	250
26	283	333					2,470	1,080	289	552	373	340
27	260	327					2,440	845	331	620	450	441
28	274	330					2,160	1,050	744	576	370	480
29	241	330					1,890	904	796	508	349	271
30	266	376					1,920	651	367	645	396	244
31	277	-					-	645	-	524	413	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8,275	392	205	267	16,410
November	9,397	466	200	313	18,640
December	9,490	-	-	306	18,820
Calendar year 1935	156,236	1,230	31	428	309,900
January	6,610	-	-	310	19,060
February	11,600	-	-	400	23,010
March	13,950	-	-	450	27,670
April	49,378	2,990	604	1,650	97,940
May	46,895	2,080	645	1,510	92,820
June	16,668	856	128	556	33,060
July	15,985	848	268	516	31,710
August	12,079	508	259	390	23,960
September	12,221	536	244	407	24,230
Water year 1935-36	215,348	2,990	128	588	427,100

Bear River near Collinston, Utah

Location.- Water-stage recorder, lat. 41°49', long. 112°4', in W½ sec. 34, T. 13 N., R. 2 W., at Wheelon railroad siding, 1 mile below Cutler plant of Utah Power & Light Co. and 4 miles north of Collinston.

Drainage area.- 6,000 square miles.

Records available.- July 1889 to September 1936.

Average discharge.- 46 years (1889-1905, 1906-36), 1,826 second-feet.

Extremes.- Maximum discharge during year, 7,260 second-feet Apr. 26 (gage height, 5.98 feet); minimum daily discharge, 18 second-feet Oct. 4, Sept. 19-21, 23, 26. 1889-1936: Maximum discharge observed, 11,600 second-feet June 7-10, 1909 (gage height, 7.7 feet); practically no flow at midnight Aug. 5, 1920 (gage height, 0.42 foot).

Remarks.- Records good. Numerous canals divert above station. Flow regulated by storage in reservoirs and operation of power plants above gage. Water-stage recorder graph and several discharge measurements furnished by Utah Power & Light Co.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	493	1,140	*515	*650	*995	1,760	5,560	*2,300	27	21	20
2	19	445	962	*660	444	*1,870	2,000	5,390	2,050	24	21	20
3	19	505	690	*460	*950	*1,720	2,300	5,180	2,080	24	22	20
4	18	507	498	*925	*1,280	*1,490	1,800	4,800	2,170	24	22	20
5	19	544	683	*490	*1,160	*1,490	1,010	4,150	2,390	24	22	20
6	28	328	*455	*1,080	763	*1,470	1,550	4,650	2,210	20	21	20
7	49	855	*190	*785	*670	*1,010	811	5,460	*2,680	21	21	20
8	416	754	*25	*435	*665	*2,050	2,020	5,730	2,150	20	21	20
9	553	1,080	339	*510	*485	*1,530	1,720	5,080	*2,220	20	21	19
10	504	316	942	*680	535	1,040	1,730	4,740	2,450	20	20	19
11	424	465	745	*1,060	775	1,070	1,700	4,260	*2,280	20	20	19
12	103	691	771	976	1,230	1,660	924	3,500	*2,260	20	20	20
13	289	453	574	*1,150	925	1,970	2,400	4,180	1,580	20	20	20
14	257	652	356	*1,390	1,010	1,570	2,750	4,350	1,030	21	20	19
15	465	1,040	406	*1,110	860	1,190	2,570	4,180	*1,860	21	20	19
16	450	734	797	*1,230	1,460	1,380	2,950	4,260	*830	21	20	19
17	229	374	831	*1,700	1,190	1,060	2,830	4,380	1,310	21	20	19
18	593	1,210	822	*1,300	1,020	821	2,790	4,270	1,800	21	20	19
19	106	2,000	*520	*650	1,190	676	3,300	4,090	1,860	21	20	18
20	231	874	*535	*800	1,150	828	3,340	3,630	1,690	21	19	18
21	189	656	*565	701	1,020	1,320	3,640	3,540	458	21	22	18
22	1,090	804	*260	*400	*1,040	1,920	4,890	3,340	24	20	22	20
23	367	160	578	*440	*2,590	*1,950	6,190	2,980	25	20	22	18
24	470	*640	514	*605	*2,720	*1,720	6,820	2,700	30	20	22	19
25	214	*550	797	*930	*1,760	1,590	7,060	2,780	32	20	21	19
26	229	615	628	*520	*1,840	1,360	7,240	2,650	32	20	21	18
27	608	511	1,400	*1,250	*1,360	770	7,100	2,280	30	20	21	*130
28	922	34	1,250	*875	*1,360	895	6,920	2,210	30	20	21	*895
29	1,170	589	*270	*600	*1,400	602	6,500	1,940	30	20	21	*905
30	276	1,090	*790	834	-	736	6,020	173	28	20	20	*635
31	365	-	*210	*680	-	645	-	1,550	-	20	20	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10,691	1,170	18	345	21,210
November	19,969	2,000	34	666	39,610
December	19,543	1,400	25	630	38,760
Calendar year 1935	224,873	2,920	18	616	446,000
January	25,741	1,700	400	830	51,060
February	33,502	2,720	444	1,155	66,450
March	40,398	2,050	602	1,303	80,130
April	104,635	7,240	811	3,488	207,500
May	117,983	5,730	173	3,806	234,000
June	39,919	2,680	24	1,331	79,180
July	652	27	20	21.0	1,290
August	644	22	19	20.8	1,280
September	3,065	905	18	102	6,080
Water year 1935-36	416,742	7,240	18	1,139	826,600

*Computed on basis of kilowatt-hours output at Cutler Dam.

Logan River above State dam, near Logan, Utah

Location.- Water-stage recorder, lat. 41°44'40", long. 111°47'0", in NE¼ sec. 36, T. 12 N., R. 1 E., at Logan plant of Utah Power & Light Co., 125 feet above confluence of tailrace with river and 2½ miles east of Logan.

Drainage area.- 218 square miles.

Records available.- May 1913 to September 1936. June 1896 to December 1912 at old station a quarter of a mile downstream; flow at present station plus that of tailrace comparable to flow at old station.

Average discharge.- 22 years (1913-36), 125 second-feet.

Extremes.- Maximum discharge during year, 1,370 second-feet May 15 (gage height, 5.57 feet); minimum daily discharge, 8 second-feet for several days during the year.
1913-36: Maximum discharge (estimated), 2,000 second-feet Mar. 21, 1916 (gage height, 5.6 feet); minimum daily discharge, 8 second-feet for several days in 1931, 1934-36.

Remarks.- Records fair. Water diverted from river and springs upstream for power, irrigation, and municipal supply. Flow regulated by operation of power plants above station. Water-stage recorder graph and results of several discharge measurements furnished by Utah Power & Light Co.

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Aug. 11 to Sept. 30)

1.8	4	2.4	55	3.2	223	4.0	510
1.9	9	2.6	87	3.4	283	4.3	645
2.0	15	2.8	125	3.6	352	4.6	790
2.2	31	3.0	171	3.8	430	5.0	1,010

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	8	8	9	8	10	10	705	994	243	52	18
2	14	10	8	9	9	10	11	715	884	226	52	18
3	14	8	8	11	10	21	10	770	850	215	51	22
4	13	8	8	8	10	14	10	634	760	196	47	20
5	13	8	8	8	11	14	10	1,040	740	184	45	18
6	10	8	8	8	10	14	10	900	710	169	45	18
7	10	8	8	8	10	14	11	668	720	164	42	18
8	10	8	8	8	8	14	11	604	725	152	41	18
9	10	10	8	8	9	14	15	604	700	143	40	17
10	9	9	8	9	9	14	15	750	654	132	39	16
11	10	8	8	8	10	14	29	911	668	132	38	14
12	9	8	8	8	10	13	47	1,040	676	119	43	14
13	9	8	8	8	10	14	105	1,110	658	109	36	17
14	13	8	8	8	9	14	140	1,210	658	101	31	16
15	15	8	10	8	9	14	147	1,240	695	98	31	15
16	14	8	8	8	9	13	215	1,240	618	92	29	15
17	16	8	8	8	10	13	261	1,170	604	84	28	14
18	16	8	8	8	9	13	356	1,070	582	84	32	15
19	13	8	8	8	9	13	418	1,050	555	80	29	13
20	11	8	8	8	9	14	519	1,060	519	85	28	10
21	13	8	18	8	9	16	614	982	502	78	28	12
22	13	8	18	8	10	15	668	916	458	78	26	12
23	11	8	8	10	10	15	755	889	442	78	26	11
24	8	8	8	14	9	14	755	906	402	72	23	11
25	9	8	8	14	9	14	730	960	382	68	21	11
26	8	8	8	11	9	14	755	999	356	62	20	11
27	8	8	9	8	10	14	785	988	327	58	19	10
28	8	8	8	10	10	14	700	950	303	56	18	10
29	11	8	8	10	10	14	658	966	300	58	19	10
30	8	8	15	9	-	13	668	988	271	52	19	10
31	8	-	13	9	-	10	-	994	-	58	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	345	16	8	11.1	684
November	245	10	8	8.2	486
December	283	18	8	9.1	561
Calendar year 1935	21,911	555	8	60	43,460
January	277	14	8	8.9	549
February	274	11	8	9.4	543
March	427	21	10	13.8	847
April	9,438	785	10	315	18,720
May	29,229	1,240	604	943	57,970
June	17,713	994	271	590	35,130
July	3,526	243	52	114	6,990
August	1,019	52	18	32.9	2,020
September	434	22	10	14.5	861
Water year 1935-36	63,210	1,240	8	173	125,400

Utah Power & Light Co.'s tailrace near Logan, Utah

Location.- Water-stage recorder, lat. 41°44'40", long. 111°47'0", in NE¼ sec. 36, T. 12 N., R. 1 E., 100 feet below power house of Utah Power & Light Co. and 2½ miles east of Logan.

Records available.- May 1913 to September 1936.

Average discharge.- 23 years, 100 second-feet.

Remarks.- Records good. Flow is regulated by operation of power plant above gage. Power canal diverts from right bank of Logan River in SE¼SW¼ sec. 29, T. 12 N., R. 2 E. Water is returned to river 125 feet below gaging station on Logan River above State dam. Water-stage recorder graph and results of several discharge measurements furnished by Utah Power & Light Co.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	96	90	77	74	77	66	70	85	168	174	172	156
2	96	91	77	71	79	65	72	84	169	172	172	157
3	97	92	76	74	74	75	76	112	121	172	172	151
4	96	92	76	76	72	71	77	163	172	172	174	158
5	97	89	79	77	67	71	74	162	172	172	175	156
6	95	87	83	71	69	75	72	162	174	172	175	151
7	95	89	80	55	66	80	75	162	174	172	175	151
8	95	90	80	57	55	78	84	164	175	172	175	151
9	93	91	80	74	57	85	89	166	174	170	176	150
10	91	93	80	83	74	86	95	166	175	172	175	146
11	89	92	80	83	76	84	86	166	175	172	176	139
12	89	89	79	77	78	85	87	166	174	172	175	139
13	89	87	79	77	79	84	87	166	172	174	180	134
14	95	87	78	77	77	84	87	166	175	174	178	143
15	96	87	71	79	77	80	87	166	152	172	178	146
16	96	90	66	80	69	77	87	164	165	172	178	143
17	96	89	62	76	69	79	87	164	175	172	175	144
18	93	91	64	66	68	79	87	164	174	174	176	144
19	93	90	66	68	67	84	87	164	174	172	178	144
20	93	91	74	72	68	85	87	166	176	172	178	143
21	93	89	62	74	70	91	87	166	148	172	176	140
22	91	90	62	61	74	79	87	164	175	170	176	137
23	93	87	75	60	77	89	87	168	169	172	176	136
24	93	87	74	60	76	85	85	168	174	172	174	133
25	91	87	74	62	70	81	85	166	172	172	160	132
26	91	87	76	56	70	81	87	168	172	172	162	133
27	91	87	77	58	75	81	85	168	175	174	157	136
28	90	87	75	63	72	81	85	168	172	174	158	135
29	87	87	74	72	71	79	85	169	174	174	157	133
30	89	83	66	54	-	75	85	168	172	172	157	132
31	89	-	70	48	-	76	-	169	-	172	157	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,878	97	87	92.8	5,710
November	2,668	93	83	88.9	5,290
December	2,292	80	62	73.9	4,550
Calendar year 1935	42,071	192	38	115	83,450
January	2,155	83	48	69.5	4,270
February	2,073	79	55	71.5	4,110
March	2,471	91	65	79.7	4,900
April	2,511	87	70	83.7	4,980
May	4,920	169	84	159	9,760
June	5,089	175	121	170	10,090
July	5,342	174	170	172	10,600
August	5,323	180	157	172	10,560
September	4,293	158	132	143	8,520
Water year 1935-36	42,015	180	48	115	83,340

Logan, Hyde Park & Smithfield Canal near Logan, Utah

Location.- Water-stage recorder, lat. 41°44'45", long. 111°47'5", in SE¼ sec. 25, T. 12 N., R. 1 E., at concrete rating flume 1¼ miles below head of canal and 2⅝ miles east of Logan.

Records available.- June 1904 to December 1907, January 1909 to September 1936.

Average discharge.- 13 years (1923-36), 30.3 second-feet.

Remarks.- Records good except those estimated for Oct. 5-22, Nov. 12 to Mar. 8, Apr. 1-10, 12-27, which are fair. No diversions above gage. Flow regulated by head gates at diversion works. Canal diverts water from Logan River in NE¼NE¼ sec. 31, T. 12 N., R. 2 E., for irrigation and domestic use in territory north of Logan. Results of several discharge measurements furnished by Utah Power & Light Co.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	9				5	3	60	99	126	69	45
2	19	8				5	6	60	87	124	67	45
3	16	7				5	6	61	85	122	66	46
4	15	7				5	6	64	84	120	62	45
5	14	6				5	6	52	83	119	59	45
6	13	6				5	6	48	82	120	58	44
7	12	6				5	6	53	83	124	55	44
8	12	6				2	6	53	83	122	52	44
9	11	7				0	6	58	82	121	49	44
10	11	6				0	6	17	81	120	47	44
11	10	6				0	6	1	81	119	45	43
12	10	6				0	6	2	84	120	45	43
13	10	6				0	6	2	104	118	45	44
14	9	6				0	6	44	105	109	48	42
15	9	6				0	6	93	105	105	46	38
16	9	6				0	6	105	110	104	49	39
17	9	6				0	6	104	117	103	48	38
18	9	6				0	6	109	117	101	45	37
19	9	6				0	6	121	120	95	43	36
20	9	6				0	6	127	127	83	40	36
21	9	6				0	6	124	130	81	38	37
22	9	6				0	6	125	128	75	39	38
23	9	6				0	6	127	127	74	36	37
24	9	6				0	6	127	126	73	40	36
25	9	6				0	6	129	127	73	46	36
26	9	6				0	6	129	129	74	49	36
27	9	6				0	6	129	129	74	49	36
28	9	6				0	40	129	127	74	49	36
29	11	6				0	76	127	127	74	46	36
30	9	6				0	58	129	126	72	45	35
31	9	-				0	-	124	-	72	45	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	337	20	9	10.9	668
November	188	9	6	6.3	373
December	186	-	-	6	369
Calendar year 1935	9,944	135	0	27.2	19,720
January	155	-	-	5	307
February	145	-	-	5	288
March	37	5	0	1.2	73
April	333	76	3	11.1	660
May	2,633	129	1	84.9	5,220
June	3,195	130	81	106	6,340
July	3,091	126	72	99.7	6,130
August	1,520	69	36	49.0	3,010
September	1,205	46	35	40.2	2,390
Water year 1935-36	13,025	130	0	35.6	25,830

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

Location.- Water-stage recorder, lat. 41°37'20", long. 111°44'25", in NE¼ sec. 8, T. 10 N., R. 2 E., three-quarters of a mile above diversion dam, 3¼ miles above power plant of Utah Power & Light Co., and 8 miles east of Hyrum.
Drainage area.- 260 square miles.
Records available.- July 1900 to December 1902, November 1913 to September 1936.
Average discharge.- 22 years (1914-36), 129 second-feet.
Extremes.- Maximum discharge during year, 1,270 second-feet May 5 (gage height, 5.68 feet); minimum daily discharge, 41 second-feet Feb. 7.
1913-36: Maximum discharge, about 1,620 second-feet May 15, 1917 (gage height, 6.5 feet, former site and datum); minimum daily discharge, 29 second-feet Jan. 3, 1935.
Remarks.- Records good. Discharge for periods of ice effect, Dec. 17, Jan. 15-20, 23, 24, Feb. 3-11, computed on basis of weather records and discharge records at municipal power plant. Discharge June 3-9, Aug. 3, 4, computed on basis of discharge records of South Fork of Ogden River near Huntsville. No large diversions above station. Low-water flow may be affected by operations of power plant above. Water-stage recorder graph and results of several discharge measurements furnished by Utah Power & Light Co.

Rating tables, water year 1935-36 (gage height, in feet, and discharge, in second-feet)

Oct. 1 to May 5						May 6 to Sept. 30			
1.0	34	2.0	156	4.0	623	1.4	71	3.0	358
1.2	49	2.3	209	4.5	795	1.6	96	3.5	479
1.4	69	2.6	266	5.0	980	1.8	125	4.0	624
1.6	94	3.0	355	5.5	1,180	2.0	158	4.5	795
1.8	123	3.5	478			2.3	213	5.0	980
						2.6	272		

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	52	57	52	50	44	54	70	750	285	138	120	96
2	52	58	52	50	45	55	67	760	258	135	122	100
3	53	58	53	50	45	56	65	868	246	135	118	100
4	53	58	54	51	47	57	67	1,010	238	130	114	100
5	53	57	54	51	47	58	67	1,120	235	131	114	99
6	53	57	54	51	45	62	67	936	225	131	114	97
7	53	55	54	55	41	64	67	643	214	131	113	97
8	54	57	53	55	43	65	77	587	209	131	113	97
9	54	58	53	55	55	69	89	608	203	133	112	95
10	54	58	53	52	52	73	101	646	196	136	109	93
11	54	58	54	51	50	73	137	672	190	138	118	93
12	54	57	54	50	55	73	187	683	187	136	112	92
13	54	56	54	50	57	73	232	666	183	138	112	93
14	53	55	54	50	54	73	276	666	180	128	109	93
15	54	55	54	60	55	71	334	676	176	130	107	93
16	54	55	53	55	54	69	378	630	172	130	106	96
17	54	55	53	55	53	69	447	551	165	128	106	96
18	66	55	47	50	52	77	502	490	163	130	106	96
19	56	54	44	50	52	75	513	463	160	128	103	95
20	56	54	46	55	47	80	580	453	156	125	103	93
21	55	54	47	52	54	84	601	418	155	120	103	93
22	55	54	48	51	54	85	652	386	151	120	102	93
23	55	54	47	50	62	84	750	385	153	119	100	92
24	55	54	47	48	57	77	781	347	153	119	99	92
25	56	54	48	47	53	76	872	336	146	118	99	91
26	57	54	49	47	55	67	840	329	144	119	97	93
27	57	54	50	47	53	77	900	321	143	118	96	92
28	55	54	50	46	54	76	837	310	144	120	97	92
29	58	54	50	43	55	75	862	289	144	122	97	91
30	58	54	50	43	-	65	770	276	139	119	99	91
31	58	-	50	44	-	73	-	276	-	128	100	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,695	58	52	54.7	3,360
November	1,667	58	54	55.6	3,310
December	1,581	54	44	51.0	3,140
Calendar year 1935	27,184	264	29	74.5	53,920
January	1,564	60	43	50.5	3,100
February	1,490	62	41	51.4	2,960
March	2,185	85	54	70.5	4,330
April	12,188	900	65	406	24,170
May	17,549	1,120	276	566	34,810
June	5,515	285	139	184	10,940
July	3,964	138	118	128	7,860
August	3,320	122	96	107	6,590
September	2,834	100	91	94.5	5,620
Water year 1935-36	55,552	1,120	41	152	110,200

West Side Canal near Collinston, Utah

Location.- Water-stage recorder, lat. 49°50', long. 112°4', in SW¼ sec. 27, T. 13 N., R. 2 W., at Wheelon siding on Oregon Short Line Railroad, 4,200 feet below Cutler Dam and 4 miles north of Collinston.

Records available.- June 1912 to September 1936.

Average discharge.- 24 years, 222 second-feet.

Remarks.- Records good. Discharge, Dec. 15 to May 13, except estimated periods, determined from once-daily gage readings. Canal diverts from west side of Bear River in NW¼SW¼ sec. 26, T. 13 N., R. 2 W., at same diversion dam as Hammond (East Side) Canal and Cutler power plant. Water used for irrigation in eastern Box Elder County. Water-stage recorder graph and several discharge measurements furnished by Utah Power & Light Co.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	336	86	49	13		11	13	0	482	580	482	523
2	269	84	48	13		12	13	0	589	568	480	525
3	115	83	48	13		13	14	*40	523	569	480	527
4	118	80	48	13		13	14	*150	410	571	469	514
5	117	76	49	-		13	13	202	306	571	450	509
6	114	69	49	-		13	13	207	305	571	434	510
7	116	63	49	-		13	13	231	305	573	448	498
8	221	62	49	-		*13	*13	243	303	576	470	485
9	276	55	49	-		13	14	296	306	576	491	485
10	296	48	49	-		13	14	298	303	574	504	483
11	315	47	49	-		13	14	344	344	551	502	483
12	315	48	49	-		13	14	450	400	478	502	469
13	315	48	49	-		13	*14	400	456	480	504	462
14	315	48	49	-		13	*7	544	527	461	493	459
15	223	48	49	-		15	0	602	574	448	493	451
16	109	48	49	-		15	0	602	608	448	488	442
17	103	48	49	-		15	0	612	605	450	485	432
18	99	48	30	-		15	0	625	612	448	485	418
19	99	47	30	-		15	0	622	622	461	485	412
20	98	47	20	-		15	0	634	622	474	485	413
21	105	47	20	-		16	0	637	627	475	504	413
22	129	47	20	-		13	0	639	632	488	504	408
23	135	47	20	-		13	0	641	632	499	502	408
24	135	47	20	-		12	0	641	632	504	502	413
25	135	48	20	-		*12	0	639	627	492	504	413
26	135	48	19	-		12	0	641	636	478	504	407
27	132	48	19	-		12	0	639	636	469	506	392
28	129	48	13	-		12	0	639	627	456	504	382
29	128	48	13	†15		*12	0	641	615	459	512	368
30	128	48	13	-		12	0	646	615	467	523	366
31	104	-	13	-		12	-	608	-	480	523	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,364	336	98	173	10,640
November	1,659	86	47	55.3	3,290
December	1,100	49	13	35.5	2,180
Calendar year 1935	74,296	658	0	204	147,400
January	434	-	-	*14	861
February	377	-	-	*13	748
March	407	16	11	13.1	807
April	183	14	0	6.1	363
May	14,113	646	0	455	27,990
June	15,451	636	303	515	30,650
July	15,665	580	448	505	31,070
August	15,218	523	434	491	30,180
September	13,470	527	366	449	26,720
Water year 1935-36	83,441	646	0	228	165,500

*Estimated.
†Discharge measurement.

Hammond (East Side) Canal near Collinston, Utah

Location.- Water-stage recorder, lat. 41°50', long. 112°3', in SE¼ sec. 27, T. 13 N., R. 2 W., at Wheelon siding on Oregon Short Line Railroad, 3,600 feet below Cutler Dam and 4 miles north of Collinston.

Records available.- June 1912 to September 1936.

Average discharge.- 17 years (1917-21, 1922-23, 1924-36), 51.2 second-feet.

Remarks.- Records good. Discharge determined from daily gage readings May 3-12 and interpolated May 2. Canal diverts from east side of Bear River in NW¼SW¼ sec. 26, T. 13 N., R. 2 W., at same diversion dam as West Side Canal and Cutler power plant. Water used for irrigation in eastern Box Elder County. Water-stage recorder graph and several discharge measurements furnished by Utah Power & Light Co.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	79	18						0	102	128	114	124
2	54	18						35	100	124	117	124
3	56	18						72	96	125	124	124
4	57	18						76	75	124	125	118
5	56	18						81	60	126	124	111
6	56	18						83	46	125	118	102
7	57	18						79	46	126	115	100
8	65	18						78	49	126	115	100
9	68	16						80	49	125	115	103
10	66	12						81	48	126	115	107
11	59	12						100	48	126	115	107
12	58	12						115	52	125	116	108
13	61	12						126	85	126	116	107
14	59	12						127	105	127	123	103
15	58	11						137	115	127	123	95
16	57	11						145	131	127	124	95
17	41	11						150	129	126	123	94
18	35	11						150	128	125	123	85
19	35	11						146	139	125	123	82
20	35	11						145	145	124	124	85
21	35	11						147	145	125	124	86
22	34	11						146	150	125	124	86
23	34	11						145	152	126	124	85
24	34	11						145	152	126	124	85
25	34	11						145	153	126	124	88
26	34	11						145	153	126	124	92
27	33	11						143	153	126	124	88
28	24	10						136	144	125	125	85
29	15	5						134	129	126	124	82
30	16	0						137	132	124	124	82
31	18	-						124	-	119	124	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,423	79	15	45.9	2,820
November	378	18	0	12.6	750
December	0	0	0	0	0
Calendar year 1935	16,689	156	0	45.7	33,100
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	0	0	0	0	0
May	3,553	150	0	115	7,050
June	3,211	153	46	107	6,370
July	3,887	128	119	125	7,710
August	3,757	125	114	121	7,450
September	2,933	124	82	97.8	5,820
Water year 1935-36	19,142	153	0	52.3	37,970

Devil Creek near Malad, Idaho

Location.- Staff gage, lat. 42°13', long. 112°17', in sec. 8, T. 14 S., R. 36 E., 400 feet below dam site for proposed reservoir, 0.5 mile northeast of St. John, 2⅝ miles northwest of Malad, and 9 miles by stream above confluence with Malad River.

Records available.- October 1931 to September 1936.

Extremes.- Maximum discharge during year, 60 second-feet Aug. 17 (from high-water mark made during cloudburst), from rating curve extended above 22 second-feet; minimum discharge observed, 0.9 second-foot Dec. 16-18.
1931-36: Maximum discharge, that of Aug. 17, 1936; minimum discharge observed, 0.5 second-foot Sept. 10, 1934 (gage height, 0.11 foot).

Remarks.- Records fair. Gage read once daily except during winter, when readings were made three or four times a week. Flow regulated by Evans Dividers (an irrigation diversion works), 3 miles upstream. Several small diversions above this station. Stream receives a part of Birch Creek water above station. Malad power plant and its small reservoir on Birch Creek may cause slight diurnal fluctuation.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.9	1.5	*1.1	*1.7	*1.5	1.7	*2.9	16	12	3.7	3.2	3.9
2	2.8	1.6	1.0	1.4	1.3	*1.7	2.9	16	10	3.7	3.1	3.9
3	2.9	*1.4	1.0	1.1	*1.3	1.7	*2.9	14	10	3.7	3.1	4.2
4	2.9	1.2	*1.2	2.0	1.3	*1.8	2.9	14	10	3.5	3.1	3.9
5	2.5	1.2	1.4	*1.8	*1.3	2.0	*3.0	18	10	3.5	3.1	3.9
6	2.5	1.7	*1.6	1.5	*1.3	*2.1	3.2	19	10	6.0	3.1	4.8
7	2.5	1.7	1.7	*1.6	*1.3	2.2	*2.7	19	9.5	6.3	3.1	5.8
8	2.8	*1.4	*1.8	1.7	1.3	*2.2	2.2	18	9.7	5.6	3.1	5.1
9	2.8	1.2	1.8	*1.7	*1.3	2.2	*2.5	16	9.7	6.3	3.1	4.8
10	2.8	1.2	*1.8	1.7	1.3	*2.0	2.8	16	9.3	5.3	3.1	3.9
11	3.4	1.1	1.8	*1.6	*1.4	1.9	*5.4	16	8.9	5.6	3.1	3.9
12	3.4	1.2	*1.8	*1.6	1.4	*1.9	8.0	16	8.5	5.6	3.1	6.5
13	3.5	1.2	1.8	1.5	*1.4	1.9	*16	15	8.2	5.3	3.1	6.5
14	3.0	1.2	1.7	*1.7	1.4	*1.9	25	16	8.5	5.6	3.1	6.1
15	3.4	1.2	*1.3	1.9	*1.4	1.9	33	18	9.3	5.6	3.1	5.4
16	3.8	1.2	.9	*1.8	1.5	*2.0	*34	18	9.3	3.5	4.0	5.1
17	3.9	1.2	*.9	1.6	*1.4	2.2	36	16	8.9	3.5	7.0	5.1
18	2.4	*1.5	.9	1.6	1.4	*2.4	48	15	8.9	3.4	5.8	4.2
19	2.2	1.8	1.2	1.8	*1.4	2.6	44	15	9.3	3.4	4.8	3.6
20	2.2	1.8	*1.3	*1.6	1.4	*2.6	42	14	8.9	3.4	4.5	3.9
21	2.0	1.3	1.4	1.5	*1.4	2.6	42	14	7.0	3.4	4.2	3.9
22	1.7	1.8	1.6	*1.4	1.5	*2.6	40	14	7.0	3.5	4.8	3.9
23	1.9	1.8	*1.7	1.3	*1.6	2.5	26	13	7.8	3.5	4.5	3.9
24	1.9	*1.4	1.8	*1.3	1.7	2.9	23	13	7.4	3.1	4.5	4.2
25	1.8	1.0	*1.3	*1.3	*1.6	3.5	21	13	6.7	3.4	4.2	3.9
26	1.2	1.0	1.8	*1.3	1.6	*3.4	18	12	6.7	3.4	3.9	3.9
27	*1.4	1.0	*1.8	1.3	*1.6	3.3	17	12	7.0	3.4	4.2	4.0
28	1.5	*1.1	1.9	*1.4	1.6	*3.1	16	10	7.0	3.2	3.9	4.0
29	1.6	1.2	1.9	1.4	*1.6	2.9	16	10	7.0	3.4	3.9	3.7
30	1.6	1.2	2.0	*1.6	-	*2.9	16	11	4.0	3.2	4.5	4.0
31	1.5	-	2.0	1.7	-	2.9	-	12	-	3.2	4.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	76.7	3.9	1.2	2.47	152
November	40.3	1.8	1.0	1.34	80
December	47.7	2.0	.9	1.54	95
Calendar year 1935	1,039.9	16	.6	2.85	2,060
January	48.4	2.0	1.1	1.56	96
February	41.5	1.7	1.3	1.43	82
March	73.5	3.5	1.7	2.37	146
April	554.4	48	2.2	18.5	1,100
May	459	19	10	14.8	910
June	256.5	12	4.0	8.55	509
July	129.2	6.3	3.1	4.17	256
August	120.1	7.0	3.1	3.87	238
September	133.9	6.5	3.6	4.46	266
Water year 1935-36	1,981.2	48	.9	5.41	3,930

*Interpolated.

Deep Creek below First Creek, near Malad, Idaho

Location.- Staff gage, lat. 42°14', long. 112°11', in sec. 7, T. 14 S., R. 37 E., immediately below proposed reservoir site 1 mile north and 3½ miles east of Malad and 12 miles by stream above confluence of Deep Creek and Malad River.

Records available.- October 1931 to September 1936.

Extremes.- Maximum discharge observed during year, 113 second-feet Apr. 18 (gage height, 2.50 feet); minimum discharge, 1.3 second-feet (computed) Dec. 16-18, during period of ice effect; minimum gage height, 0.17 foot Feb. 7.
1931-36: Maximum discharge observed, that of Apr. 18, 1936; minimum observed, 0.3 second-foot Aug. 29, 1934.

Remarks.- Records fair. Discharge for periods of ice effect, Dec. 16-31, Jan. 27 to Feb. 6, computed on basis of one discharge measurement, weather records, and records for Devil Creek near Malad. Gage read once daily. Small diversions above station. Reservoir under construction at site above mouth of Third Creek, 2½ miles upstream from station; used to limited extent during year, beginning May 1.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.6	1.8	1.8	1.6	1.6	4.2	5.0	77	26	14	8.3	5.5
2	1.5	1.8	1.6	1.9	1.4	4.0	5.2	69	25	14	8.1	6.0
3	1.8	1.8	1.8	2.0	1.4	4.2	5.4	82	22	14	7.6	5.3
4	1.9	1.9	1.9	1.8	1.4	4.5	5.5	86	22	14	7.8	5.0
5	1.6	1.8	1.8	1.8	1.4	4.7	5.2	77	24	15	7.3	5.5
6	1.4	1.5	1.9	1.9	1.4	4.8	5.4	69	22	14	6.9	5.7
7	1.5	1.6	1.8	1.6	1.4	5.0	5.5	54	21	14	6.4	5.5
8	1.6	1.8	1.8	1.9	1.6	4.2	6.1	43	21	14	6.0	6.0
9	1.5	1.9	1.6	1.8	1.6	4.5	7.4	37	22	14	6.9	5.3
10	1.5	1.9	1.9	2.0	1.8	4.5	9.1	34	21	14	7.6	4.8
11	1.8	2.0	1.8	2.1	1.9	3.9	12	34	21	14	6.6	5.0
12	1.9	1.8	1.9	2.1	2.1	4.0	26	36	21	14	6.4	3.5
13	1.8	2.0	1.8	2.0	2.2	3.7	34	40	21	14	9.0	4.2
14	1.9	1.8	1.9	2.1	2.4	3.9	69	39	20	14	8.1	4.0
15	2.1	1.9	1.5	2.4	2.5	3.7	77	48	21	13	7.3	3.8
16	2.1	1.8	1.3	2.2	2.6	3.9	82	51	21	14	7.3	4.2
17	2.0	1.9	1.3	2.1	2.7	4.0	95	48	19	14	6.9	3.8
18	1.8	2.1	1.3	2.0	2.9	4.2	113	46	18	13	7.1	4.0
19	1.8	2.0	1.5	2.1	3.0	4.3	108	43	17	12	6.6	3.8
20	1.8	1.9	1.5	2.0	3.3	4.5	104	41	16	12	6.9	3.5
21	1.6	2.0	1.5	2.2	3.7	4.3	107	39	13	12	6.4	3.3
22	1.9	1.9	1.5	2.1	4.0	4.3	104	37	14	11	6.2	3.1
23	1.8	2.0	1.5	1.9	3.9	4.7	106	31	14	10	6.0	2.9
24	1.9	1.6	1.5	1.8	3.3	5.5	101	29	15	9.5	5.7	3.5
25	2.0	1.8	1.5	1.6	2.7	4.5	104	30	14	8.5	5.5	2.9
26	1.9	1.9	1.6	1.6	3.3	4.7	102	28	14	8.5	5.3	3.3
27	2.0	1.8	1.6	1.6	3.4	4.8	95	27	15	8.5	5.7	2.7
28	1.8	1.9	1.6	1.6	3.6	5.2	92	27	15	8.8	5.3	3.1
29	1.9	1.8	1.6	1.6	3.9	5.2	90	26	16	8.8	5.3	3.3
30	1.8	2.0	1.6	1.7	-	4.7	86	26	15	8.8	5.5	2.9
31	1.9	-	1.6	1.8	-	4.8	-	26	-	8.5	5.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	55.4	2.1	1.4	1.79	110
November	55.7	2.1	1.5	1.86	110
December	50.8	1.9	1.3	1.64	101
Calendar year 1935	2,310.4	23	1.0	6.33	4,580
January	58.9	2.4	1.6	1.90	117
February	72.4	4.0	1.4	2.50	144
March	137.4	5.5	3.7	4.43	273
April	1,766.8	113	5.0	58.9	3,500
May	1,380	86	26	44.5	2,740
June	566	26	13	18.9	1,120
July	377.9	15	8.5	12.2	750
August	207.3	9.0	5.3	6.69	411
September	125.4	6.0	2.7	4.18	249
Water year 1935-36	4,854.0	113	1.3	13.3	9,620

Weber River near Oakley, Utah

Location.- Water-stage recorder, lat. 40°44'10", long. 111°14'45", in NE¼ sec. 15, T. 1 S., R. 6 E., near mouth of canyon, 2 miles below South Fork of Weber River, 3 miles northeast of Oakley, and 6 miles above Beaver (or Kamas) Creek.

Drainage area.- 163 square miles.

Records available.- October 1904 to September 1936.

Average discharge.- 30 years (1906-36), 244 second-feet.

Extremes.- Maximum discharge during year, 2,370 second-feet May 30 (gage height, 4.14 feet); minimum observed, 26 second-feet Nov. 21 (discharge measurement).
1904-36: Maximum discharge observed, 4,000 second-feet July 6, 1907, and June 5-7, 1909; minimum observed, 26 second-feet Aug. 27, 1934, and Nov. 21, 1935.

Remarks.- Records fair. Discharge for periods of ice effect, Nov. 5, 11-13, 15-16, 20-23, Nov. 29 to Apr. 14, and for period May 9-10 computed on basis of weather records and records of station near Coalville. No large diversions above gage. Flow regulated slightly by storage in several small lakes at headwaters utilized as reservoirs and small reservoir on Smith and Morehouse Creeks. Total capacity of all reservoirs, about 3,200 acre-feet.

Rating table, water year 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet)

1.0	36	1.8	187	3.0	830
1.2	60	2.0	252	3.5	1,380
1.4	92	2.3	375	4.0	2,140
1.6	134	2.6	540	4.6	3,000

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	52	54	-				55	528	1,450	245	212	119
2	54	59	-				55	540	1,020	232	215	121
3	52	57	-				55	619	766	209	190	123
4	52	56	-				55	766	766	193	173	125
5	52	56	-				55	950	758	187	173	123
6	51	57	-				60	960	705	181	176	116
7	48	55	-				60	782	766	176	170	110
8	47	54	-				60	661	930	173	152	139
9	47	54	-				70	650	930	173	149	167
10	47	51	*50				80	900	839	184	146	159
11	47	50	-				100	1,320	911	206	136	132
12	47	50	-				120	1,490	990	385	134	102
13	47	50	-				150	1,520	1,010	366	156	92
14	48	51	-				180	1,580	911	267	162	89
15	52	50	-				212	1,640	839	232	159	87
16	54	50	-				235	1,490	728	218	154	85
17	55	50	-				282	1,480	675	199	162	84
18	54	51	-				322	1,410	612	187	149	82
19	51	51	-				344	1,340	605	181	142	80
20	51	50	-				385	1,550	566	173	136	80
21	51	50	-				447	1,290	504	193	146	78
22	51	50	-				510	1,100	469	196	149	75
23	50	50	-				546	1,150	410	179	142	74
24	51	51	-				553	1,280	400	165	136	74
25	51	48	-				546	1,410	375	167	134	74
26	50	47	-				546	1,520	322	156	132	74
27	50	48	-				572	1,620	310	156	127	74
28	50	51	-				566	1,490	305	173	125	75
29	51	50	-				572	1,640	305	209	123	75
30	50	50	-				540	1,700	267	212	121	74
31	54	-	-				-	1,730	-	209	119	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,567	55	47	50.5	3,110
November	1,551	59	47	51.7	3,080
December	1,550	-	-	50	3,070
Calendar year 1935	72,907	2,680	-	200	144,600
January	1,550	-	-	50	3,070
February	1,450	-	-	50	2,880
March	1,705	-	-	55	3,380
April	8,333	572	55	278	16,530
May	38,116	1,730	528	1,230	75,600
June	20,444	1,450	267	681	40,550
July	6,382	385	156	206	12,660
August	4,700	215	119	152	9,320
September	2,982	167	74	98.7	5,880
Water year 1935-36	90,310	1,730	47	247	179,100

*Discharge measurement.

Weber River near Coalville, Utah

Location.- Water-stage recorder, lat. 40°53'40", long. 111°24'0", in NE¼ sec. 20, T. 2 N., R. 5 E., at river bridge above high-water contour for Echo Reservoir, 1½ miles south of Coalville.
Drainage area.- 438 square miles.
Records available.- April 1927 to September 1936.
Extremes.- Maximum discharge during year, 1,740 second-feet May 15 (gage height, 4.15 feet); minimum, 23 second-feet Oct. 14 (gage height, 0.13 foot).
1927-36: Maximum discharge, 1,960 second-feet June 17, 1929 (gage height, 4.30 feet); minimum, 6 second-feet Sept. 20, 1934 (gage height, -0.23 foot).
Remarks.- Records good except those for period of ice effect, Dec. 1 to Mar. 27, and for Apr. 3-11, which were computed on basis of records for station at Echo corrected for storage and inflow from Chalk Creek. Numerous irrigation diversions above and below station. Records do not include diversions out of Weber River Basin through the Weber-Provo Diversion Canal. Flow slightly regulated by several small reservoirs above station.

Rating table, water year 1935-36 except period of ice effect (gage height, in feet, and discharge in second-feet)

0	15	1.0	153	3.0	1,020
.2	28	1.3	238	3.5	1,320
.4	47	1.6	343	4.0	1,640
.6	73	2.0	500	4.3	1,850
.8	108	2.5	740		

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	32	62			-	-	153	812	1,430	102	354	73
2	32	70			-	-	118	756	1,150	93	292	89
3	32	73			-	-	120	839	850	86	232	114
4	29	69			-	-	120	990	740	81	201	114
5	29	63			-	-	130	1,140	784	83	193	118
6	29	78			-	-	110	1,220	655	84	185	106
7	30	84			-	116	120	1,030	610	79	161	100
8	28	84			-	-	140	872	680	87	143	95
9	29	91			-	-	160	834	740	98	134	125
10	28	87			-	-	225	938	660	102	139	139
11	28	78			-	-	300	1,170	665	285	139	146
12	27	81			-	-	476	1,350	680	416	125	116
13	27	87			-	-	630	1,560	730	370	123	98
14	25	91			-	143	839	1,640	690	201	118	93
15	24	83			-	-	984	1,700	635	148	114	97
16	26	95			-	-	1,080	1,630	554	158	112	87
17	26	100			-	-	1,130	1,560	460	185	134	91
18	26	102			-	-	1,190	1,510	373	171	125	87
19	27	97			-	-	1,130	1,410	336	196	116	84
20	30	89			-	-	984	1,480	317	199	110	75
21	30	89			-	207	1,020	1,430	238	201	104	70
22	33	89			100	-	1,040	1,220	207	169	98	70
23	34	95			-	-	1,060	1,140	174	163	93	70
24	38	100			-	-	1,030	1,230	163	158	83	69
25	51	100			-	-	972	1,360	136	169	78	65
26	53	89			-	-	916	1,380	118	151	72	65
27	52	84			-	-	944	1,390	104	143	73	66
28	53	87			-	143	894	1,320	98	153	70	70
29	54	83			76	166	878	1,260	148	185	73	70
30	55	76			-	171	861	1,330	129	190	75	69
31	55	-			-	193	-	1,390	-	190	70	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,072	55	24	34.6	2,130
November	2,556	102	62	85.2	5,070
December	2,170	-	-	70	4,300
Calendar year 1935	68,636	1,670	24	188	136,100
January	2,635	-	-	85	5,230
February	2,900	-	-	100	5,750
March	4,805	-	-	155	9,530
April	19,754	1,190	110	658	39,180
May	38,891	1,700	756	1,255	77,140
June	15,254	1,430	98	508	30,260
July	5,096	416	79	164	10,110
August	4,139	354	70	134	8,210
September	2,731	146	65	91.0	5,420
Water year 1935-36	102,003	1,700	24	279	202,300

Echo Reservoir at Echo, Utah

Location.- Staff gage, lat. 40°57'50", long. 111°26'0", in NW¼SW¼ sec. 30, T. 3 N., R. 5 E., near outlet works at left end of Echo Dam, 1 mile southeast of Echo.

Records available.- October 1930 to September 1936.

Remarks.- Echo Dam, constructed by the U. S. Bureau of Reclamation and completed in 1931, has an impounding capacity of 74,000 acre-feet. Gage-height record furnished by Weber River Water Commissioner.

Capacity table (gage height, in feet, and contents, in acre-feet)

Gage height	Content	Gage height	Content
5,450	0	5,510	18,570
5,455	60	5,515	22,390
5,460	170	5,520	26,660
5,465	440	5,525	31,210
5,470	990	5,530	36,080
5,475	1,930	5,535	41,380
5,480	3,180	5,540	47,040
5,485	4,830	5,545	53,060
5,490	6,890	5,550	59,530
5,495	9,250	5,555	66,320
5,500	11,960	5,560	73,430
5,505	15,100		

Contents, in acre-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6,050	860	860	964	970	6,180	15,400	41,000	73,730	69,390	59,130	45,540
2	5,700	886	860	957	1,130	6,370	15,700	41,000	73,730	69,180	59,360	44,910
3	5,400	918	886	957	1,310	6,560	16,040	41,050	73,430	68,550	59,660	44,460
4	5,060	918	925	951	1,440	6,780	16,380	41,540	73,430	67,920	59,530	43,950
5	4,780	905	938	938	1,540	6,980	16,730	42,440	73,730	67,360	59,400	43,500
6	4,500	912	964	938	1,690	7,160	17,040	43,780	73,660	66,880	59,200	43,050
7	4,250	938	970	886	1,820	7,360	17,350	44,970	73,580	66,390	58,870	42,600
8	3,980	958	970	886	1,910	7,570	17,680	45,260	73,580	65,910	58,470	42,220
9	3,720	964	951	925	1,980	7,800	18,110	44,970	73,660	65,420	57,950	41,760
10	3,470	990	931	925	2,080	8,040	18,140	44,680	73,730	64,940	57,560	41,440
11	3,210	990	931	957	2,210	8,270	18,030	44,850	73,660	64,800	57,560	41,160
12	2,950	977	918	990	2,350	8,510	18,250	45,540	73,660	64,940	56,900	40,940
13	2,720	977	938	1,010	2,580	8,700	17,990	46,690	73,580	65,490	56,440	40,660
14	2,480	977	938	995	2,800	8,900	18,070	48,390	73,730	65,770	56,120	40,280
15	2,280	977	951	1,010	2,960	9,120	18,570	50,120	73,730	65,770	55,660	39,960
16	2,090	964	892	1,000	3,150	9,350	19,300	52,190	73,730	65,630	55,220	39,630
17	1,930	970	860	977	3,340	9,580	21,080	53,820	73,730	65,350	54,700	39,310
18	1,780	990	899	964	3,530	9,900	23,590	55,220	73,730	65,080	54,190	39,040
19	1,650	983	925	945	3,720	10,320	26,310	56,250	73,730	64,800	53,700	38,780
20	1,530	964	951	990	3,880	10,760	28,900	57,030	73,730	64,460	53,190	38,560
21	1,420	925	938	1,030	4,080	11,220	30,700	59,200	73,280	64,190	52,690	38,300
22	1,310	905	938	990	4,260	11,730	32,010	61,600	72,780	63,710	52,070	37,880
23	1,210	905	938	925	4,550	12,260	33,450	63,430	72,260	63,160	51,450	37,460
24	1,120	918	945	899	4,890	12,670	34,930	65,220	71,830	62,680	50,840	36,950
25	1,040	944	951	912	5,120	13,040	36,180	67,150	71,320	62,140	50,180	36,490
26	990	938	951	945	5,360	13,350	37,360	68,970	70,820	61,600	49,520	36,030
27	964	899	938	951	5,580	13,700	38,300	70,460	70,320	61,130	48,860	35,580
28	925	899	931	957	5,780	13,980	39,310	71,110	69,820	60,590	48,210	35,080
29	892	899	931	964	5,970	14,310	40,120	71,540	69,390	60,130	47,510	34,630
30	860	860	925	925	-	14,600	40,660	72,190	69,250	59,800	46,810	34,240
31	860	-	938	886	-	14,940	-	73,060	-	59,460	46,110	-

Weber River at Echo, Utah

Location.- Water-stage recorder, lat. 40°58'5", long. 111°26'15", in NE¼ sec. 25, T. 3 N., R. 4 E., 600 feet above Echo Creek, 2,400 feet downstream from Echo Dam, and 3,200 feet southeast of Echo.

Drainage area.- 732 square miles.

Records available.- April 1927 to September 1936.

Extremes.- Maximum discharge during year, 1,730 second-feet June 1 (gage height, 5.00 feet): minimum daily discharge, 3 second-feet Mar. 20-26, Mar. 31 to Apr. 8. 1927-36: Maximum discharge observed, 2,210 second-feet May 26, 1929; minimum daily discharge, that of Mar. 20-26, Mar. 31 to Apr. 8, 1936.

Remarks.- Records excellent. Discharge Dec. 17 to Mar. 26, computed on basis of daily gage readings and gate openings of Echo Dam. Discharge interpolated Feb. 8. Numerous irrigation diversions above and below station. One small diversion between gage and Echo Dam. Flow regulated by Echo Reservoir (capacity, 74,000 acre-feet).

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	215	72	79	97	40	34	3	1,020	1,620	212	338	399
2	205	79	72	100	43	34	3	1,010	1,510	466	308	403
3	205	92	72	100	43	34	3	1,020	1,060	466	299	395
4	188	97	85	100	45	34	3	1,020	782	438	305	373
5	177	89	92	100	45	34	3	1,020	904	414	318	362
6	177	91	102	100	45	35	3	1,030	898	395	341	348
7	174	97	113	80	46	35	3	1,100	776	373	384	335
8	172	102	118	73	46	35	3	1,230	721	387	403	324
9	174	107	118	89	47	35	121	1,300	776	380	407	315
10	179	107	109	97	47	36	274	1,300	782	324	410	292
11	177	107	104	106	47	36	271	1,300	765	231	418	268
12	177	107	104	109	34	52	495	1,310	760	256	418	262
13	163	107	104	116	27	64	655	1,330	710	237	377	262
14	143	111	96	120	27	64	650	1,340	700	234	369	262
15	139	113	86	131	28	64	655	1,360	670	280	377	262
16	130	113	86	135	29	64	457	1,320	595	324	387	253
17	118	113	45	124	29	46	6	1,380	520	345	387	234
18	104	124	44	113	29	34	6	1,380	403	352	407	215
19	102	128	58	97	29	13	6	1,370	422	373	407	208
20	102	128	72	104	30	3	127	1,010	506	399	387	210
21	104	118	76	124	30	3	690	458	551	422	407	265
22	102	109	76	130	26	3	695	462	501	442	410	289
23	102	107	76	113	26	3	700	462	492	446	407	302
24	102	107	76	97	27	3	710	466	484	454	418	302
25	97	115	79	94	28	3	705	538	462	458	426	299
26	91	120	86	94	28	3	710	856	454	434	426	295
27	89	113	89	116	31	18	716	1,150	450	422	426	295
28	88	107	89	116	34	31	765	1,300	438	426	422	295
29	88	107	89	116	34	32	844	1,160	358	384	430	289
30	78	92	89	104	-	25	940	1,100	116	384	434	277
31	72	-	89	61	-	3	-	1,270	-	373	418	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,234	215	72	137	8,400
November	3,179	128	72	106	6,310
December	2,673	118	44	86.2	5,300
Calendar year 1935	85,933	1,950	4	235	170,400
January	3,253	135	61	105	6,450
February	1,020	47	26	35.2	2,020
March	913	64	3	29.5	1,810
April	11,222	940	3	374	22,260
May	33,372	1,380	458	1,077	66,190
June	20,186	1,620	116	673	40,040
July	11,531	466	212	372	22,870
August	12,071	434	299	389	23,940
September	8,890	403	208	296	17,630
Water year 1935-36	112,544	1,620	3	307	223,200

Weber River at Devils Slide, Utah

Location.- Water-stage recorder, lat. 41°3'40", long. 111°34'25", in SE¼SE¼ sec. 23, T. 4 N., R. 3 E., 500 feet downstream from highway underpass, 1¼ miles below Lost Creek, and 1½ miles west of Devils Slide.
Drainage area.- 1,100 square miles.
Records available.- February 1905 to September 1936.
Average discharge.- 31 years, 482 second-feet.
Extremes.- Maximum discharge during year, 2,230 second-feet May 5 (gage height, 5.70 feet); minimum daily discharge, 60 second-feet Apr. 5-6.
1905-36: Maximum discharge observed, 6,000 second-feet May 22, 1920; minimum, 18 second-feet Sept. 23, 1934.
Remarks.- Records good. Discharge for period of ice effect, Dec. 16 to Mar. 24, and for periods Oct. 10-17, Apr. 2-12, Aug. 16 to Sept. 7, Sept. 13-30 computed on basis of records for stations at Echo and Gateway. Numerous diversions above station for irrigation and domestic use. Flow regulated by storage in Echo Reservoir (capacity, 74,000 acre-feet).

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)

0.5	21	1.4	80	2.6	356	4.5	1,400
.6	24	1.6	110	2.8	431	5.0	1,740
.7	27	1.8	146	3.0	518	5.5	2,090
.8	31	2.0	188	3.3	665	6.0	2,450
1.0	42	2.2	236	3.6	830		
1.2	58	2.4	292	4.0	1,080		

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	234	76	105			80	72	1,880	1,540	184	356	430
2	224	84	96			80	68	1,910	1,610	356	374	435
3	221	97	93			80	65	1,990	1,320	478	336	425
4	206	104	91			80	62	2,090	992	465	333	405
5	188	104	102			80	60	2,180	926	452	350	390
6	186	99	112			80	60	2,150	938	439	346	380
7	184	107	122			80	70	1,940	890	419	381	365
8	181	110	131			80	100	1,950	819	404	408	356
9	179	124	131			80	300	2,030	807	404	408	349
10	185	120	122			80	500	2,090	836	404	423	320
11	185	118	117			80	550	2,120	807	392	496	295
12	185	118	118			100	800	2,120	784	289	504	278
13	170	120	118			115	1,010	2,080	756	330	427	280
14	155	122	113			115	1,120	2,040	702	311	412	285
15	145	124	115			115	1,240	2,010	692	301	404	285
16	135	125	110			115	1,200	1,890	634	298	415	280
17	115	127	65			95	756	1,960	565	326	415	260
18	100	136	65			86	336	1,770	486	374	435	240
19	99	140	80			70	848	1,690	415	408	435	235
20	97	142	90			63	908	1,530	452	392	415	235
21	100	136	95			63	1,630	914	523	388	435	285
22	104	127	95			63	1,710	807	500	392	440	310
23	104	122	95			63	1,770	756	482	408	435	320
24	102	124	95			63	1,840	713	478	423	450	320
25	97	131	100			64	1,800	686	456	423	455	320
26	91	133	105			62	1,780	920	444	427	455	315
27	90	131	110			67	1,810	1,160	431	427	450	315
28	90	122	110			100	1,900	1,360	423	431	445	315
29	91	124	110			115	1,870	1,280	419	419	445	310
30	86	122	110			110	1,870	1,140	286	415	450	295
31	78	-	110			76	-	1,200	-	388	450	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,407	234	78	142	8,740
November	3,574	142	76	119	7,090
December	3,231	131	65	104	6,410
Calendar year 1935	98,797	1,880	37	271	196,000
January	4,030	-	-	130	7,990
February	2,175	-	-	75	4,310
March	2,599	115	62	83.8	5,160
April	28,505	1,870	60	950	56,540
May	50,256	2,180	686	1,621	99,680
June	21,413	1,610	286	714	42,470
July	11,967	478	184	386	23,740
August	12,963	504	330	418	25,710
September	9,633	435	235	321	19,110
Water year 1935-36	154,753	2,180	60	423	306,900

Weber River at Gateway, Utah

Location.- Water-stage recorder, lat. 41°8', long. 111°50', in NW¼SW¼ sec. 27, T. 5 N., R. 1 E., 2,500 feet below mouth of Strawberry Creek, 800 feet below Union Pacific Railroad bridge, and 2,500 feet above section house at Gateway.
Drainage area.- 1,610 square miles.
Records available.- June 1919 to September 1936. October 1889 to July 1903, comparable records at station 1 mile downstream, known as Weber River near Uinta, Utah.
Average discharge.- 16 years (1920-36), 624 second-feet.
Extremes.- Maximum discharge during year, 4,380 second-feet Apr. 23 (gage height, 7.00 feet); minimum daily discharge, 100 second-feet Dec. 18, 19.
1889-1903, 1919-36: Maximum discharge, 7,980 second-feet May 31, 1896; minimum, 45 second-feet Sept. 24, 1934.
Remarks.- Records good. Discharge for periods of ice effect, Dec. 16-25, Jan. 7-10, 18-31, Feb. 1-10, computed on basis of kilowatt-hours output of power plant. Numerous diversions for irrigation above and below station. Flow affected by storage in East Canyon Creek and Echo Reservoirs (capacity, 28,000 acre-feet and 74,000 acre-feet, respectively).

Rating tables, water year 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet)

Oct. 1 to May 5				May 6 to Sept. 30			
0.6	96	2.0	595	4.5	2,350	1.2	263	3.5	1,570
.8	138	2.5	890	5.0	2,750	1.4	336	4.0	1,950
1.0	191	3.0	1,220	5.5	3,150	1.6	418	4.5	2,350
1.3	290	3.5	1,570	6.0	3,550	1.8	508	5.0	2,750
1.6	410	4.0	1,950	6.5	3,960	2.0	605	5.5	3,150
				7.0	4,380	2.3	770	6.0	3,550
						2.6	950	6.5	3,950
						3.0	1,220	7.0	4,380

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	283	158	169	169	145	156	360	3,610	2,240	344	565	480
2	273	163	163	174	150	160	324	3,550	2,300	508	550	462
3	262	166	158	180	140	166	313	3,710	1,980	627	522	471
4	255	171	169	190	135	177	305	3,990	1,610	585	499	462
5	238	171	174	185	135	183	301	4,180	1,540	590	503	444
6	235	171	174	174	140	197	301	4,060	1,510	570	508	436
7	235	174	185	140	130	206	348	3,460	1,440	546	517	427
8	232	171	191	140	105	216	504	3,120	1,340	541	546	418
9	225	191	191	140	120	232	722	3,370	1,290	541	546	418
10	235	191	191	175	135	259	1,070	3,480	1,270	541	546	397
11	235	185	185	185	129	259	1,440	3,620	1,170	490	610	380
12	238	185	191	188	150	255	1,830	3,670	1,120	499	560	356
13	238	185	191	191	153	280	2,400	3,600	1,050	467	570	344
14	222	185	188	210	140	294	2,730	3,550	1,000	440	503	352
15	210	191	169	262	138	320	3,090	3,550	974	440	485	356
16	200	191	140	255	136	332	3,220	3,360	854	480	499	364
17	191	194	120	238	138	348	2,890	3,210	776	532	499	348
18	183	200	100	190	134	410	2,970	2,890	671	527	494	325
19	174	203	100	175	136	235	2,930	2,780	560	532	508	321
20	171	200	110	190	136	225	2,980	2,610	595	536	490	309
21	174	197	130	195	134	406	3,580	1,850	682	546	485	336
22	177	194	140	195	146	432	3,940	1,530	632	560	494	356
23	177	188	145	180	188	340	4,100	1,500	600	565	485	368
24	177	188	145	175	191	309	4,110	1,460	605	555	480	364
25	180	191	145	170	174	290	3,990	1,430	649	565	485	364
26	174	191	153	180	169	273	3,800	1,580	649	575	476	364
27	171	194	160	190	160	262	3,790	1,810	638	555	467	368
28	171	188	163	210	158	305	3,670	2,100	660	580	467	368
29	169	188	158	200	156	410	3,650	2,030	660	600	462	360
30	171	185	166	175	-	419	3,670	1,760	485	570	471	352
31	160	-	166	160	-	437	-	1,870	-	565	485	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,436	283	160	208	12,770
November	5,550	203	158	185	11,010
December	4,930	191	100	159	9,780
Calendar year 1935	139,228	2,130	88	381	276,200
January	5,771	262	140	186	11,450
February	4,201	191	105	145	8,330
March	8,793	437	156	284	17,440
April	69,328	4,110	301	2,311	137,500
May	88,280	4,180	1,430	2,848	175,100
June	31,550	2,300	485	1,052	62,580
July	16,572	627	344	535	32,870
August	15,777	610	462	509	31,290
September	11,470	480	309	382	22,750
Water year 1935-36	268,658	4,180	100	734	532,900

Weber River near Plain City, Utah

Location.- Chain gage, lat. 41°16'42", long. 112°5'30", in NW¼NE¼ sec. 8, T. 6 N., R. 2 W., at county highway bridge 6 miles above mouth, 1½ miles south of Plain City, and 1 mile below mouth of Fourmile Creek.

Drainage area.- 2,060 square miles.

Records available.- May 1905 to September 1936. Records obtained in 1904 by State engineer.

Average discharge.- 29 years (1906-19, 1920-36), 834 second-feet.

Extremes.- Maximum discharge observed during year, 6,050 second-feet Apr. 25 (gage height, 19.0 feet); minimum discharge, 5 second-feet Aug. 10.
1904-36: Maximum discharge observed, 7,580 second-feet June 6, 1909 (gage height, 19.1 feet); practically no flow during latter part of several summers since 1915.

Remarks.- Records fair. Gage read once daily. Discharge interpolated Nov. 28 and Feb. 7. In summer practically entire flow of Weber River above station is diverted for irrigation. Flow is affected by storage in Echo and East Canyon Creek Reservoirs.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38	56	145	201	210	413	792	5,600	1,920	106	29	24
2	39	58	147	202	223	409	719	5,510	2,500	61	28	28
3	38	59	152	203	206	394	698	5,430	2,300	43	28	28
4	37	59	144	190	229	406	655	5,690	2,520	40	18	26
5	36	61	137	176	204	394	640	5,750	1,950	40	16	26
6	34	61	160	154	182	398	614	5,890	1,920	40	11	28
7	34	60	193	141	165	413	650	5,730	1,730	39	10	26
8	34	62	199	113	151	421	893	5,110	1,530	40	10	27
9	35	74	209	135	200	508	1,260	4,640	1,490	56	7	32
10	37	130	211	153	202	513	1,510	4,740	1,430	57	5	40
11	39	127	211	198	204	552	2,260	5,110	1,200	64	38	33
12	46	126	209	191	236	554	2,900	5,250	1,040	47	61	24
13	50	124	215	189	260	564	3,760	5,180	881	42	51	16
14	52	124	215	234	232	579	4,140	5,000	666	33	42	17
15	53	123	205	277	241	629	4,710	5,130	574	31	37	19
16	55	121	183	288	253	681	5,200	4,890	445	29	21	20
17	54	127	162	271	270	736	5,500	4,440	382	27	40	16
18	54	133	142	198	278	893	5,500	3,890	267	27	37	16
19	55	158	126	200	280	917	5,540	3,590	130	28	33	15
20	53	156	137	211	280	972	5,500	3,030	76	30	24	20
21	52	155	128	206	320	1,080	5,530	2,700	61	13	17	16
22	51	152	136	180	380	1,070	5,770	2,010	76	10	19	15
23	51	148	155	164	700	911	5,950	2,000	78	16	26	16
24	50	142	153	158	695	758	6,030	1,710	72	21	16	17
25	50	147	155	174	572	719	6,050	1,550	70	20	11	17
26	50	148	162	170	523	676	5,990	1,490	59	16	12	23
27	50	150	178	183	450	574	5,930	1,630	59	15	14	33
28	50	147	205	216	446	604	5,870	1,940	61	15	17	44
29	51	144	197	195	433	786	5,750	1,880	72	20	31	37
30	52	142	193	192	-	905	5,650	1,630	96	27	23	34
31	55	-	201	179	-	979	-	1,570	-	31	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,435	55	34	46.8	2,850
November	3,474	158	56	116	6,890
December	5,365	215	126	173	10,640
Calendar year 1935	114,232	1,620	4	313	226,600
January	5,942	288	113	192	11,790
February	9,025	700	151	311	17,900
March	20,408	1,080	394	658	40,480
April	111,961	6,050	614	3,732	222,100
May	119,710	5,890	1,490	3,862	237,400
June	25,645	2,520	59	855	50,870
July	1,084	106	10	35.0	2,150
August	753	61	5	24.3	1,490
September	733	44	15	24.4	1,450
Water year 1935-36	305,535	6,050	5	835	606,000

Chalk Creek at Coalville, Utah

Location.- Water-stage recorder, lat. 40°55'10", long. 111°23'55", in SE¼ sec. 8, T. 2 N., R. 5 E., 300 feet above highway bridge in Coalville and a third of a mile above confluence with Weber River.

Drainage area.- 253 square miles.

Records available.- October 1904 to December 1905, April 1927 to September 1936.

Extremes.- Maximum discharge during year, 656 second-feet May 6 (gage height, 2.78 feet); minimum discharge recorded, 2 second-feet Nov. 30.
1927-36: Maximum discharge, 696 second-feet May 4, 1929 (gage height, 4.00 feet); minimum, 1 second-foot or less for several days June to November 1934.

Remarks.- Records fair. Discharge interpolated Dec. 1-6, 13. No diversions below station. Flow regulated by irrigation diversions above.

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Nov. 15, Aug. 1 to Sept. 30)

-0.2	0	.6	75	1.6	281
-.1	5	.8	106	1.8	338
0	11	1.0	142	2.0	399
.2	28	1.2	183	2.3	494
.4	49	1.4	230	2.6	594

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	10	10	16	14	17	21	309	201	54	84	13
2	9	13	12	16	15	18	18	309	192	53	65	17
3	8	14	14	16	15	18	22	399	175	50	50	21
4	9	14	15	17	14	21	19	514	166	48	42	20
5	8	13	15	17	16	17	20	594	175	47	40	25
6	8	20	16	14	16	18	17	587	170	45	38	23
7	7	20	16	14	14	19	19	399	150	40	35	22
8	7	16	17	15	13	21	28	344	134	40	33	21
9	8	17	17	16	14	22	30	387	127	40	54	20
10	7	18	19	17	14	19	36	472	118	40	42	20
11	7	13	21	17	14	17	49	540	114	47	34	20
12	6	17	15	17	16	22	68	544	111	75	38	18
13	8	17	13	17	16	25	87	574	101	96	36	14
14	9	20	12	17	15	23	109	553	96	68	41	10
15	9	15	9	17	16	22	131	587	90	57	33	12
16	9	16	6	17	16	18	148	519	85	51	33	10
17	7	21	7	16	16	21	177	484	78	49	37	10
18	7	20	10	13	16	28	255	452	67	44	34	10
19	9	19	10	13	14	23	289	421	62	42	29	10
20	9	14	10	17	15	23	326	393	60	44	28	10
21	9	13	10	17	16	27	424	332	56	41	27	10
22	8	15	11	13	17	27	481	289	53	37	26	10
23	6	14	11	13	20	19	517	273	62	35	23	10
24	5	22	11	13	17	19	459	260	62	33	20	10
25	5	18	12	14	14	17	440	260	54	36	13	10
26	7	13	12	14	17	22	380	245	53	33	10	9
27	6	19	13	15	17	21	424	235	54	32	10	8
28	5	17	13	16	17	22	377	223	56	32	11	9
29	6	10	13	14	17	22	387	213	59	31	12	7
30	7	9	14	11	-	21	353	190	56	31	13	7
31	8	-	15	13	-	24	-	190	-	31	13	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	233	10	5	7.5	462
November	477	22	9	15.9	946
December	399	21	6	12.9	791
Calendar year 1935	16,103	346	5	44.1	31,940
January	472	17	11	15.2	936
February	451	20	13	15.6	895
March	653	28	17	21.1	1,300
April	6,111	517	17	204	12,120
May	12,091	594	190	390	23,980
June	3,037	201	53	101	6,020
July	1,402	96	31	45.2	2,780
August	1,004	84	10	32.4	1,990
September	416	25	7	13.9	825
Water year 1935-36	26,746	594	5	73.1	53,050

South Fork of Ogden River near Huntsville, Utah

Location.- Water-stage recorder, lat. 41°16', long. 111°40', in SE¼ sec. 12, T. 6 N., R. 2 E., 0.5 mile below mouth of Magpie Creek, 1 mile above heading of Huntsville Mountain Canal, and 5½ miles east of Huntsville.

Drainage area.- 148 square miles.

Records available.- March 1921 to September 1936.

Average discharge.- 15 years, 110 second-feet.

Extremes.- Maximum discharge during year, 1,780 second-feet May 4 (gage height, 5.45 feet); minimum recorded, 22 second-feet Dec. 9.
1921-36: Maximum discharge, that of May 4, 1936; minimum recorded, 20 second-feet Nov. 25, 1931, and July 28, 1934.

Remarks.- Records good. Discharge for period of ice effect, Dec. 17 to Feb. 13, computed on basis of one discharge measurement, weekly gage readings, and weather records. Discharge interpolated June 22 and 23. No important diversions above station.

Rating tables, water year 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet)

Oct. 1 to May 5

0.9	25	2.6	366
1.0	32	2.8	435
1.2	50	3.0	505
1.4	74	3.3	625
1.6	106	3.6	755
1.8	146	4.0	940
2.0	192	4.5	1,190
2.2	244	5.0	1,490
2.4	302	5.5	1,820

May 6 to Sept. 30

0.9	27
1.0	34
1.2	52
1.4	76
1.6	108
1.8	147
2.0	192

Same as previous table above 2.0 feet.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29	32	32	32	31	43	71	1,040	287	75	52	39
2	29	34	33	32	33	45	69	1,080	258	73	50	39
3	29	34	33	32	32	47	69	1,280	241	72	49	40
4	28	33	33	32	31	52	68	1,600	230	71	48	46
5	28	31	32	32	32	64	66	1,640	225	68	48	45
6	30	33	32	30	33	76	68	1,230	210	66	48	40
7	30	33	32	30	32	77	74	905	194	66	47	40
8	30	32	30	31	30	77	101	814	187	64	45	40
9	30	34	28	31	31	84	123	905	178	66	45	40
10	30	32	34	33	32	82	164	1,040	169	67	45	40
11	30	30	32	34	33	74	252	1,120	158	71	46	40
12	31	31	31	33	34	77	373	1,160	149	71	44	39
13	31	31	33	34	35	77	456	1,140	143	67	44	37
14	31	31	34	35	36	77	502	1,120	135	61	43	37
15	31	31	33	35	36	84	609	1,100	127	61	43	37
16	32	31	32	34	36	94	728	1,020	119	61	44	36
17	31	32	32	34	38	108	827	836	114	60	43	39
18	31	34	32	30	40	121	1,020	746	110	56	43	39
19	31	33	32	31	41	119	1,070	688	108	55	41	39
20	31	33	33	33	41	131	1,110	641	108	56	41	39
21	31	33	33	33	39	138	1,180	557	98	55	41	38
22	31	33	33	31	40	125	1,300	477	97	51	40	38
23	31	33	33	31	49	104	1,420	424	97	55	40	37
24	31	32	33	31	49	92	1,430	404	96	51	40	36
25	31	32	32	32	46	83	1,440	393	91	50	40	36
26	30	33	32	32	42	77	1,410	380	88	51	39	37
27	31	33	32	32	42	73	1,450	366	85	53	40	38
28	31	33	32	34	42	71	1,290	336	86	55	40	39
29	32	33	31	33	41	74	1,230	318	85	52	40	39
30	32	31	32	30	-	73	1,090	299	99	50	40	39
31	33	-	32	30	-	76	-	299	-	50	40	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	947	33	28	30.5	1,880
November	971	34	30	32.4	1,930
December	998	34	28	32.2	1,980
Calendar year 1935	30,774	488	26	84.2	60,980
January	997	35	30	32.2	1,980
February	1,077	49	30	37.1	2,140
March	2,595	138	43	83.7	5,150
April	21,060	1,450	66	702	41,770
May	25,358	1,640	299	818	50,300
June	4,372	287	85	145	8,670
July	1,880	75	50	60.6	3,730
August	1,349	52	39	43.5	2,680
September	1,168	46	36	38.9	2,320
Water year 1935-36	62,772	1,640	28	172	124,500

Ogden River near Ogden, Utah

Location.- Water-stage recorder, lat. 41°15'17", long. 111°50'47", in NE¼SW¼ sec. 16, T. 6 N., R. 1 E., 1,500 feet below Wheeler Creek, 2,000 feet below Pine View Dam (now under construction), and 6½ miles northeast of Ogden.

Records available.- 1895-96, January 1904 to October 1912, October 1931 to September 1936.

Average discharge.- 12 years (1904-9, 1910-12, 1931-36), 265 second-feet.

Extremes.- Maximum discharge during year, 3,700 second-feet Apr. 24 (gage height, 11.48 feet); minimum daily discharge, 8 second-feet Dec. 3 and 4.
1904-12, 1932-36: Maximum discharge, that of Apr. 24, 1936; minimum daily discharge, about 4 second-feet for several days during the late summer of 1934.

Remarks.- Records fair. Station is below irrigation diversions in Ogden Valley and above those in vicinity of Ogden. Low-water flow affected by construction work at Pine View Dam. Flow also affected by municipal and irrigation diversions above station. No water diverted through the new pipe line during the current year. Records are comparable with combined flow of river and pipe line as formerly published. Records of daily discharge furnished by U. S. Bureau of Reclamation.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	37	34	31	45	95	216	2,530	673	120	86	47
2	30	38	25	33	45	94	285	2,350	592	118	82	44
3	30	40	8	33	44	97	271	2,570	553	112	79	46
4	30	34	8	34	47	98	253	2,920	559	105	74	47
5	29	33	25	36	45	102	236	3,260	546	102	67	47
6	30	32	34	33	46	112	230	2,950	501	105	65	46
7	29	31	24	32	33	125	260	2,210	441	100	66	45
8	29	30	34	33	30	166	411	1,840	397	100	66	47
9	29	35	38	34	44	201	567	1,890	348	112	60	42
10	30	39	39	36	47	212	734	2,160	310	108	59	42
11	30	33	40	38	47	218	1,110	2,350	279	126	65	42
12	31	33	45	42	55	220	1,550	2,440	238	121	67	42
13	31	32	53	39	62	224	1,760	2,380	204	114	68	44
14	31	31	47	42	59	230	2,070	2,350	183	106	66	43
15	37	31	41	67	61	275	2,320	2,340	173	102	66	42
16	47	31	37	66	64	304	2,510	2,150	160	105	68	41
17	39	32	33	57	65	342	2,730	1,820	156	102	64	43
18	37	46	31	48	65	474	2,900	1,570	112	91	63	42
19	37	41	30	51	65	493	2,950	1,450	110	80	59	44
20	36	38	30	51	66	549	2,930	1,390	124	82	55	45
21	35	34	29	50	66	613	3,200	1,260	126	74	53	44
22	37	33	29	47	73	598	3,340	1,120	126	72	52	43
23	37	33	29	45	104	461	3,430	1,020	124	72	51	42
24	37	37	29	45	106	399	3,370	955	124	74	50	42
25	37	37	29	44	94	342	3,130	880	118	75	45	42
26	36	35	29	45	91	289	3,020	780	118	73	44	42
27	36	34	29	45	89	275	3,000	753	115	71	42	42
28	36	35	30	46	93	327	2,810	730	116	74	42	46
29	35	36	30	44	93	414	2,680	656	126	92	41	45
30	35	35	30	44	-	397	2,510	612	121	87	42	44
31	36	-	31	44	-	385	-	639	-	88	47	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,049	47	29	33.8	2,080
November	1,045	46	30	34.8	2,070
December	980	53	8	31.6	1,940
Calendar year 1935	61,059	1,090	8	167	121,100
January	1,335	67	31	43.1	2,650
February	1,844	106	30	63.6	3,660
March	9,131	613	94	295	18,110
April	56,783	3,430	216	1,890	112,600
May	54,325	3,260	612	1,750	107,800
June	7,873	673	110	262	15,620
July	2,963	120	71	95.6	5,880
August	1,854	86	41	59.8	3,680
September	1,313	47	41	43.8	2,600
Water year 1935-36	140,495	3,430	8	384	278,700

Jordan River at Narrows, near Lehi, Utah

Location.- Water-stage recorders, lat. 40°26'40", long. 111°55'20", in SE¼NW¼ sec. 26, T. 4 S., R. 1 W., at Narrows, 5½ miles northwest of Lehi.

Drainage area.- 2,610 square miles.

Records available.- October 1934 to September 1936; May to December 1904, July 1913 to September 1934 at outlet of Utah Lake, 7½ miles upstream.

Average discharge.- 23 years (1913-36), 392 second-feet.

Extremes.- Maximum daily discharge during year, 615 second-feet June 22 and 23; minimum, 3 second-feet Oct. 16-21.
1913-36: Maximum daily discharge, 1,370 second-feet June 8, 1923 (gage height, 7.78 feet, at former gage).

Remarks.- Records good. Records give the combined flow of Jordan River, Utah & Salt Lake Canal, and East Jordan Canal.

Daily combined discharge, in second-feet, October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33	15	4	4	5	4	5	399	491	584	451	409
2	11	15	4	4	5	4	5	424	210	588	493	413
3	4	15	4	4	5	4	5	503	10	590	526	422
4	4	15	4	4	5	4	5	533	8	595	530	413
5	4	15	4	4	5	4	5	515	8	594	536	392
6	4	15	4	5	5	4	5	392	9	541	534	328
7	4	15	4	5	5	4	5	209	9	501	533	314
8	4	15	4	5	5	4	5	309	9	585	517	313
9	4	15	4	5	5	4	5	321	8	597	474	300
10	12	15	4	5	5	4	5	436	9	558	485	308
11	31	15	4	5	5	4	5	516	165	428	472	311
12	30	15	4	5	5	4	5	514	397	353	500	319
13	16	15	4	5	5	4	5	528	459	339	360	351
14	4	15	4	5	5	4	5	526	533	336	318	343
15	4	15	4	5	5	4	5	549	550	325	397	304
16	3	15	4	5	5	5	5	538	561	432	469	278
17	3	15	4	5	5	5	5	545	570	467	408	279
18	3	15	4	5	5	5	5	556	553	483	438	279
19	3	14	4	5	5	5	5	556	569	522	422	273
20	3	14	4	5	5	5	82	499	609	522	447	337
21	3	14	4	5	5	5	140	495	607	506	448	377
22	12	14	4	5	5	5	174	544	615	496	444	384
23	17	13	4	5	5	5	195	554	615	519	440	396
24	16	12	4	5	5	5	203	555	610	500	431	401
25	15	12	4	5	5	5	226	550	607	465	373	391
26	15	11	4	5	5	5	243	547	602	478	386	335
27	15	7	4	5	5	5	297	556	607	524	293	363
28	15	4	4	5	5	5	326	549	592	527	338	404
29	15	4	4	5	5	5	351	515	577	512	384	403
30	15	4	4	5	-	5	372	539	576	488	406	399
31	15	-	4	5	-	5	-	531	-	480	408	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	337	33	3	109	668
November	393	15	4	13.1	780
December	124	4	4	4.0	246
Calendar year 1935	36,615	486	3	100	72,630
January	150	5	4	4.8	298
February	145	5	5	5.0	288
March	140	5	4	4.5	278
April	2,704	372	5	90.1	5,360
May	15,303	556	209	494	30,350
June	11,745	615	8	392	23,300
July	15,435	597	325	498	30,610
August	13,661	536	293	441	27,100
September	10,539	422	273	351	20,900
Water year 1935-36	70,676	615	3	193	140,200

Salt Creek near Nephi, Utah

Location.- Staff gage and Parshall rating flume, lat. 39°43', long. 111°47', in NW¼ sec. 1, T. 13 S., R. 1 E., 50 feet below tailrace of Nephi municipal power plant, 100 feet above intake of Nephi Plaster Co.'s canal, 2⅝ miles below mouth of South Fork, and 3½ miles east of Nephi.

Drainage area.- 95 square miles.

Records available.- April 1925 to September 1936.

Average discharge.- 11 years, 24.2 second-feet.

Extremes.- Maximum discharge observed during year, about 300 second-feet July 22; minimum observed, 5 second-feet Feb. 8.
1925-36: Maximum discharge observed, about 800 second-feet July 17, 1932; minimum daily discharge, 3 second-feet Dec. 2, 4, 1935.

Remarks.- Records fair. Gage read twice daily except during summer floods, when several readings were taken. Discharge Apr. 15-19 based on one discharge measurement and weather records. Discharge Apr. 20 to June 3 determined from gage at debris dam three-quarters of a mile upstream, while water was being by-passed around rating flume. Discharge based on formula for 7-foot Parshall flume. There are a few small diversions above station.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	12	10	10	11	11	18	136	100	46	*50	23
2	12	11	10	10	11	12	17	142	83	45	45	23
3	12	12	10	10	10	12	17	162	73	44	40	19
4	13	12	10	10	9	12	17	174	60	42	38	20
5	12	11	10	10	9	12	17	186	59	41	*45	17
6	12	11	10	10	10	13	17	150	62	42	39	17
7	12	11	9	9	10	13	18	120	69	43	35	16
8	12	11	10	10	7	14	21	111	73	40	32	16
9	12	11	10	10	9	16	24	110	70	41	30	16
10	12	11	10	11	9	15	28	144	69	46	*40	*40
11	12	10	10	11	10	14	45	157	69	67	33	17
12	12	10	10	10	13	16	61	166	74	40	*40	16
13	12	10	10	10	11	16	72	168	76	36	32	16
14	12	10	10	10	10	18	118	170	74	35	32	14
15	12	10	9	11	11	18	130	170	70	34	31	14
16	12	10	9	11	11	18	140	149	69	*45	24	14
17	12	10	9	10	12	22	150	126	67	38	24	14
18	12	11	9	9	11	23	160	120	66	38	24	14
19	12	11	9	9	10	20	170	118	66	41	23	14
20	12	10	9	9	10	22	193	114	65	41	26	14
21	12	10	9	9	10	23	224	89	63	38	21	13
22	12	10	9	9	10	22	241	71	62	*60	20	13
23	12	10	9	9	12	20	221	66	60	50	20	13
24	12	10	10	10	11	20	214	74	58	43	19	13
25	12	10	10	9	10	19	173	81	56	62	18	13
26	12	10	10	10	10	18	166	93	55	54	18	14
27	12	10	10	10	11	18	173	86	55	47	17	14
28	12	10	10	10	11	18	168	87	56	38	16	14
29	12	10	10	10	11	18	165	97	55	43	16	13
30	12	10	10	9	-	18	157	107	52	44	16	13
31	12	-	10	10	-	20	-	122	-	*70	20	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	373	13	12	12.0	740
November	315	12	10	10.5	625
December	300	10	9	9.7	595
Calendar year 1935	8,738	125	4	23.9	17,330
January	305	11	9	9.8	605
February	300	13	7	10.3	595
March	531	23	11	17.1	1,050
April	3,335	241	17	111	6,610
May	3,866	186	66	125	7,670
June	1,986	100	52	66.2	3,940
July	1,394	70	34	45.0	2,760
August	884	50	16	28.5	1,750
September	497	40	13	16.2	966
Water year 1935-36	14,076	241	7	38.5	27,920

*Determined from graph based on several gage readings.

Provo River at Forks, Utah

Location.- Water-stage recorder, lat. 40°22', long. 111°34', in NW¼ sec. 25, T. 5 S., R. 3 E., 0.5 mile (revised) below North Fork, three-quarters of a mile above South Fork, and 3,500 feet (revised) northeast of Forks and Vivian Park.
Drainage area.- 600 square miles.
Records available.- November 1911 to September 1936. Records have been obtained at various points below mouth of South Fork since 1890.
Average discharge.- 24 years (1912-36), 361 second-feet.
Extremes.- Maximum discharge during year, 1,670 second-feet May 16 (gage height, 5.77 feet); minimum daily discharge, 123 second-feet Oct. 4.
1911-36: Maximum discharge observed, 3,180 second-feet June 11, 1921; minimum, 49 second-feet July 17, 1934.
Remarks.- Records good. Discharge for period of ice effect, Dec. 15 to Mar. 8, and for period Mar. 23-26 computed from discharge records of Olmstead Flume. Station is below diversions for irrigation in Heber Valley and above those in vicinity of Provo. Flow slightly regulated by small lakes at headwaters utilized as storage reservoirs. Records include flow of Weber-Provo diversion canal. Results of several discharge measurements furnished by Utah Power & Light Co.

Rating tables, water year 1935-36 except period of ice effect (gage height, in feet, and discharge, in second-feet)

Oct. 1 to Dec. 14		Mar. 9 to Sept. 30			
1.6	92	1.8	128	3.3	553
1.8	127	2.0	169	3.6	663
2.0	167	2.2	215	4.0	820
2.3	236	2.4	267	4.5	1,030
2.6	314	2.6	324	5.0	1,260
3.0	432	2.8	385	5.5	1,510
		3.0	450	6.0	1,810

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	129	146	182	190	200	180	289	1,050	1,340	307	262	167
2	131	150	180	190	240	190	256	990	1,120	284	264	176
3	125	156	176	190	240	200	256	1,040	916	278	251	180
4	123	159	196	190	210	200	254	1,160	804	264	243	173
5	127	159	203	200	200	210	270	1,260	764	267	235	178
6	127	167	196	190	210	210	254	1,360	720	270	240	171
7	129	174	198	170	200	210	278	1,220	663	275	235	169
8	133	176	196	180	170	230	295	1,000	641	261	232	169
9	133	180	196	190	180	248	295	941	641	289	230	171
10	135	178	194	200	200	273	312	1,060	626	310	228	173
11	136	178	196	210	200	273	336	1,250	626	447	228	178
12	138	176	196	220	240	270	391	1,420	633	417	232	176
13	140	180	198	200	240	275	464	1,500	644	457	225	167
14	142	182	198	220	230	301	553	1,520	633	363	220	161
15	140	185	190	220	160	330	659	1,530	600	330	215	163
16	144	185	160	220	180	324	752	1,590	553	324	208	165
17	150	187	170	210	170	345	812	1,460	487	287	208	165
18	152	198	170	190	210	404	895	1,420	434	264	208	167
19	152	194	180	190	210	382	937	1,340	424	262	201	169
20	150	187	180	210	210	370	972	1,290	401	259	201	169
21	150	185	180	220	210	370	1,040	1,250	407	259	196	167
22	150	187	180	190	220	360	1,120	1,030	420	254	196	167
23	148	187	180	180	250	300	1,160	949	427	254	189	165
24	150	189	180	180	270	260	1,170	1,000	407	248	180	165
25	152	191	180	190	240	250	1,140	1,080	391	245	171	163
26	150	191	180	190	220	240	1,110	1,110	370	240	165	163
27	148	191	190	180	210	238	1,100	1,160	348	238	156	165
28	148	191	190	190	200	254	1,090	1,190	345	251	152	169
29	146	187	190	180	190	281	1,100	1,120	363	289	154	167
30	146	185	190	160	-	278	1,130	1,160	339	287	148	161
31	146	-	190	160	-	310	-	1,220	-	256	156	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,370	152	123	141	8,670
November	5,381	198	146	179	10,670
December	5,785	203	160	187	11,470
Calendar year 1935	92,224	1,660	120	253	182,900
January	6,000	220	160	194	11,900
February	6,110	270	160	211	12,120
March	8,566	404	180	276	16,990
April	20,690	1,170	254	690	41,040
May	37,670	1,590	941	1,215	74,720
June	17,487	1,340	339	583	34,680
July	3,056	457	238	292	17,960
August	6,429	264	148	207	12,750
September	5,059	180	161	169	10,030
Water year 1935-36	132,603	1,590	123	362	263,000

Weber-Provo diversion canal near Woodland, Utah

Location.- Water-stage recorder and Parshall rating flume, lat. 40°36'40", long. 111°18'15", in SW¼SE¼ sec. 30, T. 2 S., R. 6 E., 100 feet above confluence with Provo River and 4⅛ miles northwest of Woodland. Prior to July 1, 1936, staff gage at same datum and location.

Records available.- October 1931 to September 1936.

Remarks.- Canal diverts from Weber River in SW¼SW¼ sec. 21, T. 1 S., R. 6 E., for irrigation in Jordan River Basin. Records show quantity of water reaching Provo River for periods when water was being diverted from Weber River. Records of daily discharge furnished by Provo River water commissioner.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							(*)	134	143	60		
2							(*)	134	140	54		
3							(*)	137	134	33		
4							(*)	142	142	12		
5							(*)	143	137	9		
6							(*)	137	136	9		
7							(*)	137	138	6		
8							(*)	134	140	17		
9							(*)	136	141	29		
10							(*)	138	140	32		
11							(*)	137	143	47		
12							(*)	98	144	97		
13							(*)	(*)	144	121		
14							44	(*)	140	97		
15							58	(*)	138	63		
16							20	(*)	140	31		
17							25	(*)	140	(*)		
18							37	(*)	137	(*)		
19							71	(*)	139	(*)		
20							87	(*)	141	(*)		
21							106	(*)	139	(*)		
22							112	(*)	137	(*)		
23							118	(*)	137	(*)		
24							122	(*)	130	(*)		
25							123	(*)	137	(*)		
26							123	68	118	(*)		
27							125	140	99	(*)		
28							129	137	97	(*)		
29							134	137	95	(*)		
30							136	140	57	(*)		
31							-	140	-	(*)		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	(*)	(*)	(*)	(*)	(*)
November	(*)	(*)	(*)	(*)	(*)
December	(*)	(*)	(*)	(*)	(*)
Calendar year 1935	5,685	149	(*)	15.6	11,270
January	(*)	(*)	(*)	(*)	(*)
February	(*)	(*)	(*)	(*)	(*)
March	(*)	(*)	(*)	(*)	(*)
April	1,570	136	(*)	52.3	3,110
May	2,369	143	(*)	76.4	4,700
June	3,943	144	57	131	7,820
July	717	121	(*)	23.1	1,420
August	(*)	(*)	(*)	(*)	(*)
September	(*)	(*)	(*)	(*)	(*)
Water year 1935-36	8,599	144	(*)	23.5	17,060

*No water being diverted from the Weber River.

South Fork of Provo River at Forks, Utah

Location.- Water-stage recorder and Parshall flume, lat. 40°21', long. 111°34', in SE¼ sec. 26, T. 5 S., R. 3 E., a quarter of a mile southeast of Forks and Vivian Park and 0.5 mile above confluence with Provo River.

Drainage area.- 30 square miles.

Records available.- November 1911 to September 1936.

Average discharge.- 24 years (1912-36), 30.6 second-feet.

Extremes.- Maximum discharge during year, 56 second-feet May 16 (gage height, 1.39 feet); minimum daily discharge, 19 second-feet Oct. 5-10 and Nov. 8.
1911-36: Maximum discharge observed, 123 second-feet May 27, 1922; minimum, 13 second-feet several times in 1934 and 1935.

Remarks.- Records fair. Discharge Oct. 8-17, Nov. 11-13, Feb. 3 to Mar. 8, Mar. 10-24, Sept. 5-12 and 14-19 interpolated. Station below all diversions. Flow regulated by diversions above. Results of several discharge measurements furnished by Utah Power & Light Co.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	25	22	22	20	23	22	31	41	24	24	24
2	22	24	22	22	21	23	21	31	35	23	24	24
3	21	24	22	22	21	23	21	32	30	22	24	24
4	20	24	22	22	21	23	21	33	28	22	25	25
5	19	24	22	22	21	23	21	34	26	22	24	25
6	19	23	22	22	21	23	21	37	25	21	24	25
7	19	21	22	22	21	23	21	36	25	21	23	25
8	19	19	22	22	21	23	21	35	26	21	22	25
9	19	21	22	22	21	23	22	34	25	21	23	26
10	19	22	22	22	21	23	23	34	24	22	24	26
11	20	22	22	22	21	23	24	34	24	24	24	26
12	20	22	23	22	21	23	24	36	25	23	25	26
13	20	23	23	22	21	23	24	39	25	24	26	26
14	21	23	23	22	21	23	24	45	24	24	26	26
15	21	23	23	22	21	23	24	54	24	24	26	26
16	22	23	23	22	22	23	24	53	24	24	26	26
17	22	23	23	21	22	23	25	50	24	24	25	26
18	22	23	23	21	22	23	25	48	24	24	24	26
19	22	22	22	21	22	23	25	47	24	24	23	26
20	22	22	22	21	22	23	25	48	23	24	26	26
21	22	22	22	21	22	23	25	46	22	25	27	26
22	22	22	22	21	22	23	26	42	21	27	28	26
23	23	22	22	21	22	23	27	39	22	28	28	26
24	23	22	22	21	22	23	28	37	22	28	26	26
25	23	22	21	21	22	24	28	36	22	26	26	26
26	22	22	21	21	22	23	28	38	22	26	26	26
27	23	22	22	21	22	23	30	38	22	26	26	25
28	23	22	22	21	23	23	30	39	22	26	26	24
29	22	22	21	21	23	22	30	38	22	26	25	24
30	24	22	21	20	-	22	32	37	24	25	25	24
31	25	-	22	20	-	22	-	40	-	25	25	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	663	25	19	21.4	1,320
November	673	25	19	22.4	1,340
December	695	23	21	22.1	1,360
Calendar year 1935	6,759	30	13	18.5	13,420
January	665	22	20	21.5	1,320
February	624	23	20	21.5	1,240
March	711	24	22	22.9	1,410
April	742	32	21	24.7	1,470
May	1,221	54	31	39.4	2,420
June	747	41	21	24.9	1,480
July	746	28	21	24.1	1,480
August	776	28	22	25.0	1,540
September	762	26	24	25.4	1,510
Water year 1935-36	9,015	54	19	24.6	17,890

Sevier River near Kingston, Utah

Location.- Water-stage recorder, lat. 38°12', long. 112°12', in NW¼ sec. 16, T. 30 S., R. 3 W., 1 mile west of Kingston and 2 miles above mouth of East Fork.

Drainage area.- 1,110 square miles.

Records available.- June 1914 to September 1936.

Average discharge.- 22 years, 149 second-feet.

Extremes.- Maximum discharge during year, 1,080 second-feet Sept. 1 (gage height, 3.15 feet), from rating curve extended above 500 second-feet; minimum daily discharge, 7 second-feet July 19.

1914-36: Maximum discharge, 1,460 second-feet May 21, 1922 (gage height, 4.92 feet), from rating curve extended above 500 second-feet; minimum daily discharge, 5 second-feet June 16-20, 1931.

Remarks.- Records fair. Discharge Dec. 18 to Apr. 15 computed on basis of weekly gage readings and weather records; June 15-18, Aug. 4-6 interpolated; July 20-24, Sept. 1-8 estimated on basis of precipitation records. Numerous diversions above station; none between gage and mouth of East Fork.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	58	105	92	112	135	110	64	17	9	115	150
2	17	64	102	94	114	155	110	57	20	9	123	400
3	18	75	105	96	112	162	107	47	24	9	123	100
4	19	72	107	98	100	155	106	51	30	9	124	90
5	16	79	110	100	88	149	105	57	62	9	126	80
6	13	90	112	98	94	137	103	90	46	10	128	70
7	16	105	107	96	100	113	100	137	33	10	129	60
8	21	100	107	98	106	129	98	140	29	10	97	50
9	26	95	110	98	112	145	97	110	28	25	68	41
10	26	95	107	100	118	148	95	90	24	21	83	29
11	28	102	107	100	118	152	88	81	18	38	64	88
12	26	105	110	100	118	155	81	83	16	21	41	86
13	25	105	105	100	117	158	84	100	14	13	29	83
14	24	102	100	110	116	162	88	102	13	11	21	75
15	23	100	107	121	116	165	91	115	12	11	17	66
16	17	100	112	121	115	161	95	115	11	13	38	58
17	25	107	105	115	115	157	95	149	10	9	158	58
18	21	112	103	112	116	151	102	135	9	8	105	55
19	23	110	100	115	117	145	110	100	9	7	105	53
20	26	105	100	115	118	139	118	81	9	100	86	51
21	26	102	110	116	120	132	132	77	9	75	97	53
22	26	107	115	116	123	126	126	68	9	50	46	47
23	29	115	121	116	120	123	107	62	9	200	21	43
24	32	123	126	116	122	120	92	55	9	100	24	41
25	36	123	128	117	124	118	90	51	8	92	24	41
26	44	118	130	117	126	116	90	44	8	51	24	43
27	55	107	125	117	128	115	81	47	8	123	24	44
28	57	102	115	114	130	115	77	43	8	118	21	44
29	55	105	105	110	133	115	77	32	9	146	26	39
30	49	97	100	110	-	113	72	26	9	162	41	35
31	51	-	90	111	-	113	-	17	-	132	47	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	888	57	13	28.6	1,760
November	2,980	123	58	99.3	5,910
December	3,386	130	90	109	6,720
Calendar year 1935	30,863	302	7	84.6	61,220
January	3,339	121	92	108	6,620
February	3,348	133	88	115	6,640
March	4,279	165	113	138	8,490
April	2,927	132	72	97.6	5,810
May	2,426	149	17	78.3	4,820
June	520	62	8	17.3	1,030
July	1,601	200	7	51.6	3,180
August	2,175	158	17	70.2	4,310
September	2,173	400	29	72.4	4,310
Water year 1935-36	30,042	400	7	82.1	59,590

Piute Reservoir near Marysvale, Utah

Location.- Staff gage, lat. 38°20', long. 112°12', in NW¼ sec. 3, T. 29 S., R. 3 W., at Piute Dam, 9 miles south of Marysvale.

Records available.- March 1914 to September 1936.

Remarks.- Capacity of reservoir, 90,000 acre-feet. Gage-height record furnished by Piute Reservoir & Irrigation Co.

Contents, in acre-feet, of October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4,780	3,480	6,640	15,280	23,400	32,240	32,290	32,880	19,440	27,150	25,500	17,200
2	4,640	3,600	6,800	15,520	23,700	32,560	39,460	32,240	19,980	26,700	25,950	17,200
3	4,380	3,660	6,960	15,760	24,000	32,880	39,630	31,600	20,540	26,250	26,250	17,440
4	3,960	3,720	7,200	16,000	24,150	33,040	39,800	30,800	20,960	25,800	26,550	17,560
5	3,600	3,780	7,440	16,240	24,380	33,360	39,970	30,000	21,520	25,200	26,700	17,440
6	3,180	3,780	7,690	16,480	24,600	33,680	40,140	29,250	22,080	24,300	26,850	17,200
7	2,700	3,780	7,960	16,720	24,900	34,000	40,480	28,500	22,800	23,400	27,150	16,960
8	2,300	3,720	8,230	16,960	25,200	34,320	40,820	27,900	23,400	22,360	27,300	16,720
9	2,000	3,660	8,500	17,200	25,500	34,640	40,820	27,300	24,000	21,520	27,300	16,600
10	1,560	3,540	8,800	17,560	25,800	34,800	40,650	26,700	24,600	20,680	27,300	16,480
11	1,100	3,420	9,100	17,920	26,250	34,960	40,480	26,100	25,200	20,680	27,300	16,600
12	890	3,480	9,400	18,160	26,550	35,120	40,650	25,500	25,800	20,680	27,150	16,720
13	800	3,540	9,800	18,400	26,850	35,600	40,820	24,900	26,400	20,820	27,000	16,840
14	890	3,600	10,200	18,530	27,220	35,920	40,480	24,150	26,700	20,960	26,850	16,720
15	950	3,660	10,400	18,660	27,600	36,240	40,140	23,550	27,000	21,100	26,700	16,720
16	1,040	3,720	10,600	18,920	27,900	36,400	39,800	22,800	27,000	21,240	26,550	16,600
17	1,160	3,780	10,800	19,180	28,200	36,570	39,460	22,080	26,850	21,240	26,700	16,480
18	1,250	3,840	11,000	19,440	28,500	36,740	39,120	21,380	26,700	21,100	26,550	16,360
19	1,340	3,960	11,200	19,700	28,800	36,910	38,780	20,820	26,550	21,100	26,250	16,120
20	1,440	4,020	11,400	19,980	29,100	37,080	38,270	20,260	26,550	21,240	25,800	15,760
21	1,600	4,080	11,610	20,260	29,400	37,250	37,760	19,840	26,700	21,380	25,200	15,400
22	1,760	4,170	11,830	20,540	29,700	37,420	37,250	19,440	27,000	21,800	24,300	15,040
23	1,920	4,260	12,160	20,820	30,000	37,760	36,910	19,180	27,450	22,500	23,400	14,580
24	2,080	4,500	12,490	21,240	30,320	38,100	36,570	19,920	27,750	22,800	22,360	14,250
25	2,300	4,780	12,820	21,520	30,800	38,440	36,240	18,790	28,050	22,950	21,380	13,920
26	2,520	5,060	13,150	21,660	31,120	38,610	35,760	18,660	28,350	23,100	20,680	13,700
27	2,700	5,360	13,480	21,940	31,440	38,780	35,280	18,660	28,350	23,250	19,840	13,480
28	2,880	5,680	13,810	22,220	31,760	38,950	34,800	18,660	28,200	23,550	19,050	13,370
29	3,060	6,000	14,140	22,360	31,920	39,120	34,160	18,790	27,900	23,850	18,160	13,260
30	3,240	6,320	14,580	22,650	-	39,120	33,520	18,920	27,600	24,450	17,440	12,930
31	3,360	-	14,920	22,950	-	39,290	-	19,180	-	24,900	17,200	-

Sevier River below Piute Dam, near Marysvale, Utah

Location.- Water-stage recorder, lat. 38°20', long. 112°11', in sec. 34, T. 28 S., R. 3 W., three-quarters of a mile below dam of Piute Reservoir and 8 miles south of Marysvale. Gage datum lowered 0.20 foot on Apr. 7, 1936.

Drainage area.- 2,440 square miles.

Records available.- May 1911 to September 1936.

Average discharge.- 24 years (1912-36), 256 second-feet.

Extremes.- 1911-36: Maximum discharge, 2,600 second-feet May 23, 24, 1922; practically no flow at times when reservoir gates are closed.

Remarks.- Records good. One small diversion between gage and Piute Reservoir. Flow regulated by operation of gates in dam.

Rating table, Apr. 7 to Sept. 30, 1936 (gage height, in feet, and discharge, in second-feet)

0	3	1.4	209
.1	7	1.6	258
.2	13	1.8	311
.4	31	2.0	367
.6	56	2.2	425
.8	87	2.4	485
1.0	123	2.6	547
1.2	164		

Oct. 1 to Apr. 6 same table was used but gage datum was lowered 0.2 foot on Apr. 7.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	131	97	65	21	21	21	6	350	56	303	10	298
2	171	97	65	21	21	21	6	396	20	322	10	214
3	198	97	65	21	21	21	6	405	15	274	10	160
4	216	119	65	21	21	21	6	405	12	295	19	160
5	216	162	65	21	21	21	6	405	7	376	108	177
6	216	162	65	21	21	21	6	408	7	425	125	193
7	216	177	65	21	21	21	64	408	7	470	91	243
8	226	202	65	21	21	21	143	408	7	488	84	219
9	261	202	65	21	21	21	113	408	7	470	71	198
10	261	193	65	21	21	21	115	408	7	301	68	171
11	236	171	65	21	21	21	115	405	7	26	77	156
12	154	147	65	21	21	21	115	405	7	13	119	127
13	106	147	65	21	21	21	133	408	7	7	117	104
14	92	149	65	21	21	21	221	408	7	7	115	81
15	92	149	65	21	21	50	219	405	17	6	99	90
16	79	149	65	21	21	50	221	431	101	26	90	121
17	71	149	65	21	21	50	221	467	190	76	97	131
18	71	149	35	21	21	50	246	467	228	76	177	186
19	71	151	35	21	21	50	325	467	221	76	276	250
20	71	151	33	21	21	50	325	428	139	79	320	246
21	65	151	33	21	21	50	322	402	109	97	405	226
22	50	151	33	21	21	50	325	402	47	131	399	226
23	50	137	21	21	21	50	325	361	50	104	425	231
24	50	119	21	21	21	50	322	339	45	59	434	202
25	50	84	21	21	21	50	325	331	5	56	437	177
26	50	65	21	21	21	50	325	289	42	56	449	177
27	50	65	21	21	21	50	322	289	135	68	416	171
28	50	65	21	21	21	50	322	253	196	71	416	151
29	50	65	21	21	21	50	322	204	276	17	382	173
30	68	65	21	21	-	50	325	151	292	6	350	204
31	90	-	21	21	-	6	-	104	-	8	298	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,778	261	50	122	7,490
November	3,987	202	65	133	7,910
December	1,463	65	21	47.2	2,900
Calendar year 1935	53,774	611	10	147	106,700
January	651	21	21	21.0	1,290
February	609	21	21	21.0	1,210
March	1,100	50	6	35.5	2,180
April	5,847	325	6	195	11,600
May	11,417	467	104	368	22,650
June	2,266	292	7	75.5	4,490
July	4,789	488	6	154	9,500
August	6,494	449	10	209	12,880
September	5,463	298	81	182	10,840
Water year 1935-36	47,864	488	6	131	94,940

Sevier River near Vermilion, Utah

Location.- Water-stage recorder, lat. 38°52', long. 111°57', in SW¼ sec. 19, T. 22 S., R. 1 W., at highway bridge 0.5 mile below Rockyford Dam, 2 miles northeast of Vermilion, and 5 miles above mouth of Lost Creek.

Drainage area.- 3,340 square miles.

Records available.- July to September 1912, July 1914 to September 1936.

Average discharge.- 22 years (1914-36), 118 second-feet.

Extremes.- Maximum daily discharge during year, 241 second-feet Mar. 17; minimum, 1 second-foot or less for several days when reservoir gates were closed.
1914-36: Maximum discharge, 2,400 second-feet May 30, 1922 (gage height, about 8.1 feet, former datum); practically no flow (seepage only) when Rockyford gates are closed.

Remarks.- Records good except those for Jan. 12 to Mar. 2, which were computed on basis of weekly gage readings, weather records, and records for station near Gunnison and are fair. Entire flow usually diverted during low-water season. Flow past station at such times represents seepage and return flow from canals. Flow also regulated by dams and reservoirs above.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	37	57	60	87	66	46	78	118	1	3	2
2	22	37	55	63	90	64	42	64	151	1	3	1
3	23	37	52	70	80	62	43	81	178	1	4	1
4	25	37	52	72	65	16	43	95	188	1	3	1
5	3	37	51	78	60	1	41	90	199	1	3	1
6	1	37	51	73	62	1	38	76	204	1	6	1
7	1	37	51	66	67	1	37	78	207	1	4	1
8	2	38	51	67	72	1	35	133	207	1	5	1
9	2	39	56	75	73	2	25	139	137	1	6	1
10	1	39	54	76	75	3	17	128	55	1	4	1
11	1	39	50	76	76	3	43	126	4	1	3	1
12	1	45	49	79	78	2	72	135	32	1	2	1
13	1	97	50	83	77	2	81	118	67	1	26	1
14	1	52	40	86	76	1	76	67	38	1	14	1
15	1	38	34	90	74	2	76	34	6	1	5	1
16	19	38	42	93	73	2	104	43	2	2	3	1
17	33	39	42	97	73	241	88	49	3	2	2	1
18	33	40	50	90	73	183	83	80	3	2	2	1
19	34	41	60	80	73	209	84	163	3	1	2	1
20	34	40	64	75	75	201	122	229	2	1	2	1
21	34	39	52	75	77	104	163	220	1	2	2	1
22	36	40	46	77	75	69	160	188	1	2	2	1
23	39	41	45	79	73	64	160	131	1	2	2	1
24	40	43	46	82	72	64	146	133	1	1	2	1
25	33	46	49	86	71	67	133	137	1	2	2	1
26	32	49	50	87	70	69	128	133	2	2	2	1
27	33	49	49	88	69	70	144	128	2	2	3	1
28	34	56	50	89	69	69	135	118	2	2	2	1
29	36	56	51	87	67	67	114	148	2	2	2	1
30	37	52	52	85	-	66	87	183	2	1	2	1
31	37	-	55	86	-	60	-	158	-	3	2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	649	40	1	20.9	1,290
November	1,315	97	37	43.8	2,610
December	1,556	64	34	50.2	3,090
Calendar year 1935	16,615	229	1	45.5	33,000
January	2,470	97	60	79.7	4,900
February	2,122	90	60	73.2	4,210
March	1,832	241	1	59.1	3,630
April	2,566	163	17	85.5	5,090
May	3,683	229	34	119	7,310
June	1,819	207	1	60.6	3,610
July	44	3	1	1.4	87
August	125	26	2	4.0	248
September	31	2	1	1	61
Water year 1935-36	18,212	241	1	49.8	36,120

Sevier River below San Pitch River, near Gunnison, Utah

Location.- Water-stage recorder, lat. 39°9', long. 111°52', in NE¼ sec. 14, T. 19 S., R. 1 W., 1,000 feet below mouth of San Pitch River and 3 miles west of Gunnison.

Drainage area.- 4,880 square miles.

Records available.- October 1917 to September 1936.

Average discharge.- 19 years, 225 second-feet.

Extremes.- Maximum discharge during year, 534 second-feet June 6 (gage height, 2.72 feet); minimum daily discharge, 23 second-feet July 3.
1917-36: Maximum discharge, 2,620 second-feet June 1, 1922 (gage height, 5.32 feet); minimum daily discharge, 8 second-feet July 13-17, Sept. 6, 1934.

Remarks.- Records good except those for Oct. 1 to Nov. 23 (interpolated between weekly determinations), and those for periods of ice effect, Dec. 16-26, Jan. 6-11, Feb. 1, 3-8, 9-11 (computed on basis of records for station near Vermilion and weather records), which are fair. Most of flow is diverted above station during irrigation season. Flow regulated by operation of reservoirs and numerous irrigation diversions above.

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Feb. 29)

0.4	16	1.4	190	2.4	444
.6	32	1.6	242	2.6	500
.8	56	1.8	287	2.8	556
1.0	91	2.0	335		
1.2	135	2.2	389		

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	47	40	110	135	160	128	126	153	232	28	265	80
2	46	42	108	138	170	128	117	117	280	25	310	55
3	45	43	112	140	165	126	108	130	292	23	276	47
4	45	41	110	140	160	121	108	167	296	25	258	43
5	44	44	114	143	165	119	108	198	351	28	237	47
6	43	45	114	140	170	106	112	237	514	28	195	46
7	43	46	110	135	175	89	108	206	461	30	126	43
8	43	47	110	135	180	76	102	178	411	35	91	41
9	43	48	108	140	187	69	104	198	389	44	51	50
10	43	46	108	140	190	62	89	198	402	112	52	53
11	43	51	106	145	195	66	80	222	305	198	52	61
12	43	57	108	148	201	72	97	251	222	156	112	58
13	43	62	106	143	274	72	143	251	173	130	121	51
14	43	67	106	143	249	72	153	237	122	130	114	41
15	40	72	101	190	244	69	151	209	76	135	97	43
16	38	78	105	206	234	61	167	170	67	135	80	38
17	36	83	110	209	217	62	184	158	66	135	76	35
18	33	85	110	201	193	97	167	148	61	91	112	32
19	30	86	115	190	187	230	156	151	48	62	99	31
20	28	88	120	187	190	237	195	190	42	43	87	28
21	29	90	125	167	178	254	220	247	38	35	80	29
22	29	92	130	161	161	193	249	251	35	34	72	30
23	30	93	130	164	145	158	244	227	33	43	56	32
24	31	95	125	164	156	145	244	181	28	42	55	32
25	31	95	125	161	151	140	232	173	28	41	58	33
26	32	97	125	167	143	140	217	170	27	34	51	41
27	33	99	130	167	143	140	201	178	27	31	47	43
28	34	101	133	164	143	143	201	173	35	52	40	44
29	36	104	128	167	140	135	184	158	53	87	32	46
30	37	108	130	170	-	133	178	178	43	190	31	46
31	38	-	133	153	-	130	-	201	-	170	33	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,179	47	28	38.0	2,340
November	2,145	108	40	71.5	4,250
December	3,605	133	101	116	7,150
Calendar year 1935	32,724	269	9	89.7	64,910
January	4,953	209	135	160	9,820
February	5,266	274	140	182	10,440
March	3,773	254	61	122	7,480
April	4,745	249	80	158	9,410
May	5,906	251	117	191	11,710
June	5,157	514	27	172	10,230
July	2,352	198	23	75.9	4,670
August	3,366	310	31	109	6,680
September	1,299	80	28	43.3	2,580
Water year 1935-36	43,746	514	23	120	86,770

Sevier Bridge Reservoir near Juab, Utah

Location.- Staff gage, lat. 39°22', long. 112°2', in NW¼ sec. 1, T. 17 S., R. 2 W., at Sevier Bridge Dam, 13 miles southwest of Juab.

Records available.- January 1914 to September 1936.

Remarks.- Reservoir capacity, 236,000 acre-feet. Gage-height record and capacity rating table furnished by Consolidated Sevier Bridge Reservoir Co.

Contents, in acre-feet, October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1,900	6,860	14,020	23,550	34,570	41,680	36,480	14,290	15,840	12,340	9,390
2	0	2,000	7,100	14,290	23,900	34,780	41,800	35,410	14,430	15,130	12,830	9,620
3	0	2,090	7,350	14,570	24,260	35,090	42,030	34,160	14,710	14,570	13,360	9,500
4	0	2,200	7,610	14,850	24,530	35,200	42,260	32,920	15,270	14,020	13,750	9,340
5	0	2,300	7,860	15,130	24,800	35,520	42,380	31,910	15,990	13,890	13,890	9,170
6	0	2,410	8,110	15,410	25,070	35,740	42,610	30,710	16,880	13,490	13,750	8,960
7	0	2,520	8,380	15,690	25,340	35,840	42,840	29,740	17,800	13,100	13,750	8,750
8	0	2,660	8,640	15,990	25,610	35,940	42,960	28,770	18,900	12,710	13,680	8,540
9	0	2,760	8,900	16,220	25,980	36,050	43,190	28,770	19,710	12,340	13,560	8,540
10	0	2,870	9,170	16,430	26,250	36,160	43,420	28,770	20,540	11,960	13,300	8,480
11	0	2,990	9,390	16,730	26,530	36,270	43,650	28,580	21,220	11,840	13,040	8,430
12	0	3,110	9,620	17,020	26,980	36,380	43,770	25,880	21,720	12,090	12,710	8,480
13	0	3,220	9,840	17,420	27,540	36,480	44,000	25,070	21,890	12,210	12,590	8,460
14	0	3,340	10,070	17,720	28,210	36,590	44,120	24,350	22,240	12,340	12,460	8,430
15	0	3,460	10,240	18,110	28,770	36,700	44,240	23,460	22,420	12,340	12,400	8,380
16	0	3,580	10,400	18,340	29,350	36,700	44,000	22,680	22,590	12,340	12,340	8,320
17	0	3,820	10,580	18,740	29,930	36,800	43,650	21,560	22,760	12,210	12,150	8,270
18	2	4,110	10,760	19,060	30,420	36,910	43,300	20,540	22,940	12,210	12,090	8,220
19	88	4,440	10,880	19,390	30,910	37,340	42,960	19,390	22,940	12,210	11,960	8,160
20	246	4,620	11,060	19,710	31,400	37,780	42,730	18,270	22,760	12,340	11,780	8,010
21	724	4,790	11,230	20,040	31,710	38,220	42,490	17,340	22,420	12,460	11,590	7,810
22	1,200	4,920	11,470	20,370	32,110	38,770	42,260	16,430	22,070	12,460	11,350	7,610
23	1,320	5,140	11,720	20,710	32,510	38,990	42,140	15,990	21,560	12,340	11,120	7,350
24	1,400	5,270	11,960	21,050	32,920	39,430	41,800	15,410	21,050	12,340	10,880	7,200
25	1,460	5,410	12,160	21,300	33,220	39,760	41,240	14,990	20,540	12,340	10,640	7,010
26	1,520	5,590	12,340	21,640	33,430	39,990	40,670	14,710	19,880	12,340	10,340	7,010
27	1,580	5,920	12,520	21,890	33,740	40,330	39,990	14,570	19,390	12,340	9,950	7,010
28	1,650	6,190	12,830	22,240	34,060	40,560	39,210	14,430	18,420	12,090	9,730	7,060
29	1,710	6,430	13,160	22,590	34,370	40,780	38,440	14,290	17,490	11,840	9,440	7,100
30	1,780	6,620	13,490	22,850	-	41,080	37,340	14,290	16,580	11,720	9,220	7,200
31	1,840	-	13,750	23,200	-	41,380	-	14,290	-	11,840	8,960	-

Sevier River near Juab, Utah

Location.- Water-stage recorder, lat. 39°22', long. 112°2', in NE¼ sec. 2, T. 17 S., R. 2 W., 1,600 feet downstream from Sevier Bridge Dam and 13 miles southwest of Juab.

Drainage area.- 5,120 square miles.

Records available.- September 1911 to September 1936.

Average discharge.- 25 years, 267 second-feet.

Extremes.- Maximum discharge recorded during year, 1,050 second-feet July 31 (gage height, 4.95 feet, stage higher during same day but not recorded. Flood caused by cloudburst on small area between dam and gaging station); minimum daily discharge, about 2 second-feet, at times in October and November.
1911-36: Maximum discharge, 2,140 second-feet June 2, 1922 (gage height, 8.50 feet); practically no flow when reservoir gates are closed.

Remarks.- Records fair. Discharge for periods when reservoir gates were closed, Oct. 17 to Apr. 13, Aug. 1-4, computed from one discharge measurement and a few miscellaneous gage readings. No diversions between this station and that near Gunnison. Flow regulated by Sevier Bridge Reservoir (capacity, 236,000 acre-feet).

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	60					4	4	663	210	400	6	113
2	60					4	4	685	210	400	6	88
3	60					4	4	706	145	319	6	154
4	60					4	4	706	65	219	6	156
5	60					4	4	709	58	208	122	159
6	60					4	4	695	60	245	154	159
7	55					4	4	692	65	258	154	159
8	46					4	4	563	23	287	154	132
9	46					4	4	528	10	304	154	65
10	58					4	4	512	10	283	161	65
11	58					4	4	586	10	125	201	65
12	58					4	4	659	9	100	201	65
13	60					4	4	653	8	100	197	65
14	60					4	61	647	8	100	174	68
15	60					4	219	641	8	100	156	68
16	29					4	281	669	8	100	156	68
17	2					4	317	734	8	100	148	68
18	2					4	321	720	8	77	148	68
19	2					4	308	679	112	51	140	119
20	2					4	308	659	212	58	137	161
21	2					4	308	679	260	55	137	159
22	2					4	308	589	262	55	137	159
23	2					4	383	470	283	51	137	159
24	2					4	506	415	297	53	137	154
25	2					4	506	355	323	55	164	65
26	2					4	506	319	348	55	197	18
27	2					4	551	287	412	134	197	23
28	2					4	616	263	512	245	197	37
29	2					4	650	241	509	258	169	22
30	2					4	679	205	443	266	137	5
31	2					4	-	210	-	417	156	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	917	60	2	29.6	1,820
November	60	-	-	2	119
December	93	-	-	3	184
Calendar year 1935	36,053	580	2	98.8	71,510
January	124	-	-	4	246
February	116	-	-	4	230
March	124	4	4	4	246
April	6,880	679	4	229	13,640
May	17,144	734	205	553	34,000
June	4,896	512	8	163	9,710
July	5,478	417	51	177	10,870
August	4,366	201	6	141	8,660
September	2,866	161	5	95.5	5,680
Water year 1935-36	43,064	734	2	118	85,420

East Fork of Sevier River near Kingston, Utah

Location.- Water-stage recorder, lat. 38°12', long. 112°9', in SW¼ sec. 13, T. 30 S., R. 3 W., 1 mile below highway bridge and 2 miles east of Kingston.

Drainage area.- 1,260 square miles.

Records available.- April 1913 to September 1936. Records obtained 1⅛ miles above Rockyford Bridge March 1913 to April 1914, also three-quarters of a mile north of Kingston May to September 1912.

Average discharge.- 23 years, 93.5 second-feet.

Extremes.- Maximum discharge during year, 646 second-feet July 22 (gage height, 5.08 feet); minimum daily discharge, 9 second-feet Aug. 10 and 11.
1913-36: Maximum discharge, about 2,000 second-feet Aug. 27, 1929, from rating curve extended above 400 second-feet; minimum, 6 second-feet Oct. 30, 1930.

Remarks.- Records fair. Discharge for periods of ice effect, Dec. 1-3, Dec. 10 to Feb. 15, computed on basis of weather records. Discharge for Apr. 16 to May 2, June 13-18, Aug. 28-29, Sept. 8-15 computed on basis of miscellaneous gage readings and records of discharge at Otter Creek Reservoir. Station above all diversions in vicinity of Kingston. Flow regulated at Otter Creek Reservoir 8 miles above (capacity, 52,600 acre-feet).

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	23	17	20		17	15	13	30	224	135	21	40
2	18	17	19		17	15	14	28	224	124	28	48
3	17	18	18		17	16	14	27	224	117	31	37
4	17	17	18		14	16	14	27	238	106	31	32
5	16	20	17		15	16	14	28	252	31	32	29
6	16	20	16		15	17	13	28	249	21	10	27
7	16	19	17		15	16	13	29	246	19	10	24
8	21	19	16		15	16	13	30	240	18	10	22
9	42	19	17		15	16	13	31	235	16	10	19
10	42	19	17		15	17	12	29	232	15	9	19
11	42	25	17		15	18	11	28	224	13	9	20
12	42	26	17		16	18	11	29	215	12	15	21
13	43	21	18		16	19	12	29	207	17	16	21
14	42	20	17		16	19	12	29	218	12	16	21
15	42	20	16		16	19	12	28	235	10	17	20
16	42	19	15		16	19	12	27	220	15	24	20
17	42	19	16		16	19	17	27	210	17	21	19
18	42	19	16		16	18	25	27	206	12	21	18
19	42	19	17		15	18	26	27	202	12	21	17
20	42	21	18		14	17	27	165	204	13	20	17
21	42	22	18		14	16	27	218	213	14	19	16
22	42	22	18		14	18	27	226	207	37	19	16
23	42	21	18		15	17	27	226	202	19	19	16
24	42	21	18		16	18	27	235	196	16	19	17
25	42	21	18		14	18	30	246	186	15	19	17
26	36	21	18		16	18	34	243	178	12	19	16
27	17	20	18		15	17	33	235	165	24	18	16
28	16	21	18		14	15	33	232	162	29	18	19
29	16	21	18		14	12	32	229	147	27	18	18
30	16	21	18		-	13	31	229	142	22	18	18
31	16	-	18		-	13	-	229	-	19	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	376	43	16	31.5	1,940
November	605	26	17	20.2	1,200
December	540	20	15	17.4	1,070
Calendar year 1935	19,946	340	10	54.6	39,560
January	527	-	-	17	1,050
February	443	17	14	15.3	879
March	519	19	12	16.7	1,030
April	599	34	11	20.0	1,190
May	3,251	246	27	105	6,450
June	6,302	252	142	210	12,500
July	969	135	12	31.3	1,920
August	579	32	9	18.7	1,150
September	660	48	16	22.0	1,310
Water year 1935-36	15,970	252	9	43.6	31,680

Beaver River near Beaver, Utah

Location.- Water-stage recorder, lat. 37°16'50", long. 112°34'30", in SE¼ sec. 18, T. 29 S., R. 6 W., a quarter of a mile above city diversion dam at mouth of canyon and 4⅛ miles east of Beaver.

Drainage area.- 82 square miles.

Records available.- June to September 1906, March 1914 to September 1936.

Average discharge.- 22 years (1914-36), 54.9 second-feet.

Extremes.- Maximum discharge during year, 1,080 second-feet July 22 (gage height, 7.27 feet), from rating curve extended above 500 second-feet; minimum, 9 second-feet Oct. 17 (gage height, 3.35 feet).
1914-36: Maximum discharge, that of July 22, 1936; minimum, about 5 second-feet Aug. 29, 1931 (gage height, 3.19 feet).

Remarks.- Records good except those for periods of ice effect, Dec. 14 to Jan. 25, Jan. 30-31, Feb. 4-10, and for periods Mar. 25 to Apr. 13, July 23-24, Aug. 6-8, which were computed on basis of miscellaneous gage readings and weather records and are fair. No irrigation diversions above station. Water diverted by Telluride Power Co. but returned to stream several miles above station. Flow slightly regulated by operation of power plants and storage in Kents Lake.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	21	22	19	19	18	16	18	129	116	80	80	63
2	20	22	19	17	19	17	18	142	131	73	73	59
3	20	13	19	17	21	18	19	183	127	66	88	53
4	20	17	17	18	17	18	19	230	131	60	87	51
5	20	25	18	21	18	18	19	286	131	65	86	49
6	19	24	16	20	19	18	20	272	195	78	80	48
7	19	22	19	19	20	18	22	200	318	68	72	48
8	19	21	19	18	20	19	25	173	435	88	65	48
9	19	19	18	20	21	20	30	185	445	96	92	38
10	19	16	19	21	21	21	35	222	445	133	73	38
11	18	21	21	22	22	21	45	251	428	133	68	38
12	17	21	17	22	20	21	53	259	381	102	63	36
13	17	19	17	21	19	21	70	275	326	88	65	34
14	19	21	18	22	19	21	81	292	289	60	55	32
15	21	24	17	22	18	22	88	281	256	86	54	33
16	22	19	17	22	17	22	80	272	232	87	55	31
17	15	18	17	21	21	25	103	259	210	93	53	31
18	21	19	17	20	19	27	102	238	183	98	52	30
19	21	18	17	19	20	26	112	235	168	84	49	28
20	21	19	18	19	19	27	103	220	157	90	53	27
21	21	21	17	20	19	27	118	185	142	88	51	28
22	21	19	18	19	19	26	127	162	133	153	49	28
23	21	19	18	18	18	25	127	157	123	100	44	28
24	21	20	18	19	17	24	148	150	116	80	43	27
25	21	19	18	18	19	23	157	155	107	129	46	25
26	20	19	18	20	19	22	152	133	102	87	48	27
27	21	19	18	19	19	20	168	127	98	88	49	29
28	22	19	18	19	18	19	164	121	103	105	50	29
29	23	19	18	19	17	17	159	121	118	105	50	27
30	24	20	18	19	-	18	140	123	88	88	55	29
31	17	-	18	19	-	18	-	127	-	84	74	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	620	24	15	20.0	1,230
November	594	25	16	19.8	1,180
December	556	21	16	17.9	1,100
Calendar year 1935	18,663	387	15	51.1	37,020
January	609	22	17	19.6	1,210
February	553	22	17	19.1	1,100
March	655	27	16	21.1	1,300
April	2,522	168	18	84.1	5,000
May	6,165	292	192	199	12,230
June	6,234	445	88	208	12,360
July	2,855	153	60	92.1	5,660
August	1,922	92	43	62.0	3,810
September	1,092	63	25	36.4	2,170
Water year 1935-36	24,377	445	15	66.8	48,350

Beaver River at Adamsville, Utah

Location.- Water-stage recorder, lat. 38°16', long. 112°48', in S½ sec. 30, T. 29 S., R. 8 W., 100 yards below highway bridge on road from Milford to Beaver, a quarter of a mile above mouth of Indian Creek, and three-quarters of a mile south of Adamsville.

Drainage area.- 272 square miles.

Records available.- December 1913 to September 1936.

Average discharge.- 22 years, 37.0 second-feet.

Extremes.- Maximum discharge during year, 989 second-feet Sept. 1 (gage height, 5.79 feet), from rating curve extended above 500 second-feet; minimum daily discharge, 3 second-feet Apr. 19, 20, May 1.
1913-36: Maximum discharge, that of Sept. 1, 1936; no flow during periods in 1924, 1931, 1934, 1935.

Remarks.- Records fair. Discharge Nov. 20-22, Dec. 15-22, 29-30, Jan. 6-8, 18-19, 21 based on weather records. Discharge interpolated between weekly gage readings Sept. 15-30. No diversions between station and storage reservoir of Beaver County Irrigation Co. Several ditches above station divert practically entire flow during irrigation season to supply Adamsville and Beaver districts.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	13	34	30	27	38	26	3	8	44	420	200
2	6	34	30	33	49	37	23	4	70	41	277	360
3	6	36	34	34	36	37	18	5	36	40	156	59
4	5	28	34	35	27	37	15	21	56	31	153	51
5	5	31	36	28	36	42	17	61	51	31	125	49
6	5	34	37	28	32	41	19	120	44	29	141	44
7	5	37	33	28	29	35	16	50	83	21	120	36
8	4	36	37	29	27	36	12	25	346	33	98	28
9	5	34	36	31	27	36	11	14	436	120	133	30
10	5	34	37	28	29	34	11	14	483	115	189	36
11	5	33	36	29	31	32	8	44	471	272	173	120
12	5	33	37	30	152	34	7	59	428	120	250	52
13	6	32	36	30	66	34	8	58	361	90	262	36
14	6	32	26	29	43	33	4	53	327	67	156	35
15	6	31	26	32	43	33	6	79	294	80	139	33
16	6	31	27	35	47	33	4	64	250	145	255	32
17	6	31	27	32	50	33	4	63	206	93	250	31
18	6	31	27	32	52	31	4	46	171	82	131	30
19	6	32	28	32	46	30	3	42	120	79	80	29
20	6	31	28	31	47	31	3	38	98	70	112	27
21	6	31	29	31	47	33	4	28	63	74	120	25
22	6	32	29	31	47	33	5	19	52	96	96	23
23	6	32	29	32	76	31	4	11	49	213	79	21
24	7	36	29	32	62	34	4	10	47	137	59	19
25	8	38	29	30	47	34	4	8	38	100	46	17
26	8	37	26	28	42	34	5	8	35	85	35	15
27	10	35	24	27	38	35	10	13	40	210	27	14
28	8	35	27	29	40	33	6	10	46	237	26	13
29	8	35	30	26	39	31	4	6	98	290	26	12
30	8	36	32	28	-	29	4	6	56	245	24	12
31	8	-	31	26	-	28	-	7	-	366	55	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	193	10	4	6.2	383
November	981	38	13	32.7	1,950
December	961	37	24	31.0	1,910
Calendar year 1935	7,383	218	1	20.2	14,640
January	936	35	26	30.2	1,860
February	1,334	152	27	46.0	2,650
March	1,052	42	28	33.9	2,090
April	269	26	3	9.0	534
May	989	120	3	31.9	1,960
June	4,863	483	8	162	9,650
July	3,656	366	21	118	7,250
August	4,213	420	24	136	8,360
September	1,489	360	12	49.6	2,950
Water year 1935-36	20,936	483	3	57.2	41,530

Beaver River at Rockyford Dam, near Minersville, Utah

Location.- Staff gage, lat. 38°14', long. 112°50', in NW¼ sec. 11, T. 30 S., R. 9 W., 0.5 mile below Rockyford Dam and 4 miles east of Minersville.

Drainage area.- 512 square miles.

Records available.- December 1913 to September 1936.

Average discharge.- 22 years, 38.3 second-feet.

Extremes.- Maximum daily discharge during year, 114 second-feet Aug. 25-31 (gage height, 1.67 feet); minimum, 4 second-feet Oct. 1 to Jan. 13.
1913-36: Maximum discharge, 727 second-feet June 10, 1921 (gage height, 3.53 feet); minimum (estimated), 0.3 second-foot Mar. 19, 20, 1914

Remarks.- Records fair. Gage read about once weekly, also read before and after each change in gate openings; discharge interpolated for intervening days. No diversions between dam and gage. Flow regulated by operation of gates at Rockyford Dam. Gage-height record furnished by Beaver County Irrigation Co.

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)

0.6	0	1.2	41
.7	2	1.3	54
.8	5	1.4	68
.9	11	1.6	101
1.0	19	1.8	138
1.1	29		

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	4	4	4	7	10	17	94	60	92	11	45
2	4	4	4	4	7	10	17	92	60	92	11	16
3	4	4	4	4	7	10	18	92	60	92	43	16
4	4	4	4	4	7	11	19	92	60	92	29	16
5	4	4	4	4	7	11	19	92	60	92	29	16
6	4	4	4	4	7	12	19	84	60	92	29	16
7	4	4	4	4	7	12	19	72	60	93	29	50
8	4	4	4	4	7	12	19	68	60	103	34	79
9	4	4	4	4	7	12	19	68	60	103	36	79
10	4	4	4	4	7	12	19	63	60	90	35	79
11	4	4	4	4	7	13	19	61	60	72	34	79
12	4	4	4	4	7	13	19	61	51	67	32	79
13	4	4	4	4	7	13	19	61	46	67	30	79
14	4	4	4	5	7	13	19	72	46	76	29	79
15	4	4	4	5	7	13	19	74	46	81	38	79
16	4	4	4	6	7	13	19	74	46	81	44	79
17	4	4	4	6	7	14	19	77	46	82	70	79
18	4	4	4	6	8	14	29	79	46	82	88	79
19	4	4	4	6	8	15	35	82	46	82	91	79
20	4	4	4	6	8	15	35	84	46	82	91	79
21	4	4	4	6	9	15	60	84	46	82	91	79
22	4	4	4	6	9	15	73	84	46	82	91	79
23	4	4	4	6	9	15	74	69	33	80	101	79
24	4	4	4	6	9	16	90	60	23	76	110	79
25	4	4	4	6	9	16	108	60	23	73	114	79
26	4	4	4	6	10	16	108	60	62	68	114	79
27	4	4	4	6	10	17	103	60	82	63	114	79
28	4	4	4	6	10	17	99	60	82	53	114	79
29	4	4	4	7	10	17	99	60	82	38	114	79
30	4	4	4	7	-	17	99	60	89	11	114	79
31	4	-	4	7	-	17	-	60	-	11	114	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	124	4	4	4.0	246
November	120	4	4	4.0	238
December	124	4	4	4.0	246
Calendar year 1935	6,900	107	4	18.9	13,690
January	161	7	4	5.2	319
February	228	10	7	7.9	45.2
March	426	17	10	13.7	845
April	1,330	108	17	44.3	2,640
May	2,259	94	60	72.9	4,480
June	1,647	89	23	54.9	3,270
July	2,350	103	11	75.8	4,660
August	2,024	114	11	65.3	4,010
September	1,992	79	16	66.4	3,950
Water year 1935-36	12,785	114	4	34.9	25,360

Coal Creek near Cedar City, Utah

Location.- Staff gage, lat. 37°40'25", long. 113°2'10", in NE¼ sec. 13, T. 36 S., R. 11 W., at flood-control dam 1½ miles southeast of Cedar City and 3½ miles below South Creek.

Drainage area.- 92 square miles.

Records available.- May 1935 to September 1936. Records for site used May 1915 to November 1919 do not include the flow of power canal (now abandoned), which should be added in order to make them comparable with those for present site.

Extremes.- Maximum discharge observed during period May to September 1935, 840 second-feet Aug. 25 (gage height, 310 feet); minimum discharge observed, 9 second-feet Sept. 7, 9-13, 15-21.

Maximum discharge observed during water year October 1935 to September 1936, 2,910 second-feet July 9 (gage height, 6.4 feet); minimum discharge observed, 4 second-feet Dec. 15.

1935-36: Maximum discharge observed, that of July 9, 1936; minimum observed, that of Dec. 15, 1935.

Remarks.- Records fair. Gage usually read once daily; on several days during the period readings were not obtained and on several days gage was read twice daily. Station is above diversions.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	186	26	14	13
2								-	210	*24	*14	12
3								-	210	*22	14	11
4								-	195	19	14	10
5								-	186	20	14	10
6								-	195	*19	13	10
7								-	180	19	12	9
8								-	180	17	12	10
9								-	154	16	12	9
10								-	132	15	13	9
11								-	116	*15	11	9
12								-	111	15	10	9
13								-	106	21	10	9
14								-	99	23	10	10
15								-	79	17	165	9
16								-	*74	*16	66	9
17								-	*70	15	13	9
18								-	66	14	12	9
19								-	59	25	11	9
20								-	52	†150	11	8
21								-	**44	17	10	9
22								-	**44	17	10	10
23								274	41	15	21	20
24								342	*37	14	†50	12
25								258	34	*14	†250	10
26								274	*33	*14	†150	10
27								258	33	14	23	10
28								274	27	†100	12	10
29								291	*27	†80	12	10
30								242	*26	66	11	10
31								180	-	15	17	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 23-31	2,393	342	180	266	4,750
June	3,006	210	26	100	5,960
July	874	150	14	28.2	1,730
August	1,017	250	10	32.8	2,020
September	305	20	9	10.2	605
The period					15,060

*Interpolated.
†Computed from graph based on gage readings and precipitation records.
**Computed on basis of weather records.

Coal Creek near Cedar City, Utah

(Continued)

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	10	-	-	-	16	13	97	34	13	17	10
2	9	10	-	-	9	*18	10	124	32	13	15	9
3	10	10	-	-	-	*21	25	148	30	12	†15	**8
4	9	10	-	-	-	*24	*26	165	37	**12	†15	8
5	9	10	-	-	-	*23	*20	177	33	12	†15	8
6	8	10	-	-	-	*22	*20	116	30	12	†18	8
7	8	10	-	-	-	*21	20	76	30	12	17	8
8	9	10	-	-	11	21	20	97	26	†75	†18	7
9	9	10	-	8	-	*21	24	89	25	†400	†45	7
10	9	10	-	-	-	*21	30	97	26	†600	†40	6
11	9	10	-	-	-	*22	40	104	26	62	†20	25
12	9	10	-	-	-	*21	72	97	25	†20	†200	9
13	9	10	-	-	-	*21	68	97	23	†15	†30	7
14	9	10	-	-	-	*21	74	89	23	†12	†15	7
15	9	11	4	-	-	21	76	101	22	10	13	7
16	9	13	-	-	-	20	94	89	21	†25	11	**7
17	9	12	-	-	-	22	79	76	21	†25	11	**7
18	9	11	-	-	-	23	87	70	20	†25	10	**6
19	10	12	-	7	-	19	85	66	**20	†150	10	**6
20	9	13	-	-	-	23	92	61	**19	†20	10	6
21	9	13	-	-	-	17	99	52	18	†15	9	6
22	9	13	8	-	-	19	116	48	18	†100	9	6
23	9	14	-	-	14	8	134	45	17	†15	9	6
24	9	14	-	-	-	13	154	42	17	†15	8	6
25	11	14	-	-	-	14	127	42	15	†20	7	6
26	9	14	-	-	-	14	137	45	15	†15	8	**6
27	9	14	-	-	-	12	132	45	14	†50	8	6
28	8	13	-	-	-	11	121	40	14	†20	8	**6
29	8	14	-	-	-	14	124	37	14	†20	†25	**6
30	9	15	-	-	-	14	97	34	13	†20	9	**6
31	11	-	-	-	-	12	-	35	-	†18	**9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	281	11	8	9.1	557
November	350	15	10	11.7	694
December	310	-	-	*10	615
Calendar year					
January	248	-	-	*8	492
February	348	-	-	*12	690
March	569	24	8	18.4	1,130
April	2,216	154	10	73.9	4,400
May	2,501	177	34	80.7	4,960
June	678	37	13	22.6	1,340
July	1,833	600	10	59.1	3,640
August	654	200	7	21.1	1,300
September	226	25	6	7.5	448
Water year 1935-36	10,214	600	-	27.9	20,260

*Computed on basis of weather records.
†Computed from graph based on gage readings and precipitation records.
**Interpolated.

Salton Sea, Calif.

Location.- Benchmark set by Imperial Irrigation District, lat. 33°26'55", long. 116°2'20", in NW¼ sec. 27, T. 8 S., R. 9 E., 1 mile northeast of Figtree John Spring and about 9 miles south of Mecca.

Records available.- November 1904 to September 1936.

Extremes.- Maximum stage, 195.0 feet below sea level in February and March 1907; minimum (since 1906), 250.7 feet below sea level in November 1924, bottom of sea (from 1904-5 determiniations) is 273.5 feet below sea level.

Remarks.- See Water-Supply Paper 735 for condensed history of Salton Sea and all records to 1932. Area of water surface is 266 square miles when sea is at elevation 250 feet below sea level and 328 square miles when at elevation 240 feet below sea level. Elevations in the following table, furnished by Imperial Irrigation District, were determined directly by leveling from the benchmark.

Elevation, in feet, below mean sea level, 1935-36:

Oct. 1, 1935	248.85
Nov. 1, 1935	249.00
Dec. 2, 1935	248.6
31, 1935	248.3
Jan. 31, 1936	247.8
Feb. 29, 1936	247.6
Apr. 1, 1936	247.7
May 1, 1936	247.5
June 1, 1936	247.6
July 1, 1936	247.9
Aug. 1, 1936	248.1
Sept. 2, 1936	248.4
Oct. 1, 1936	248.7

Palm Canyon Creek near Palm Springs, Calif.

Location.- Water-stage recorder, lat. 33°44'55", long. 116°32'15", in S½ sec. 11, T. 5 S., R. 4 E., three-quarters of a mile above Murray Canyon Creek and 6 miles south of Palm Springs. Altitude, about 700 feet.

Drainage area.- 94.0 square miles.

Records available.- January 1930 to September 1936.

Extremes.- Maximum discharge during year, 935 second-feet Feb. 15 (gage height, 3.25 feet); no flow for several months.
1930-36: Maximum discharge, 1,870 second-feet Feb. 9, 1932; no flow several months each year.

Remarks.- Records fair. Discharge estimated Nov. 18, 19, Feb. 9-14, 19-24, Mar. 5-30, Apr. 2, 3, 5, 6, 13, 14, and May 4-6.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0.1	0.2	1.0	2.7	8.5	1.8	0.3	0	0	
2		0	.1	.2	2.5	2.7	5	1.5	.3	0	0	
3		0	.1	.2	1.6	2.2	3.0	1.5	.2	0	0	
4		0	.1	.2	1.2	2.0	62	1.4	.3	0	0	
5		0	.1	.2	.7	1.8	15	1.3	.2	0	0	
6		0	.1	.2	.3	1.5	11	1.2	.2	0	0	
7		0	.1	.2	.3	1.4	11	1.1	.1	0	0	
8		0	.1	.2	.3	1.4	11	1.1	.1	0	0	
9		0	.2	.2	.3	1.3	10	1.0	.1	0	0	
10		0	.2	.2	.3	1.3	9	.8	0	0	0	
11		0	.2	.2	5	1.2	9	.7	0	0	0	
12		0	.2	.2	2.5	1.2	7	.7	0	0	0	
13		0	.2	.3	1.5	1.2	6	.6	0	0	0	
14		0	.2	.3	.6	1.1	5.5	.6	0	0	0	
15		0	.2	.3	109	1.1	4.8	.5	0	0	0	
16		0	.2	.2	38	1.2	3.3	.5	0	0	0	
17		0	.2	.2	15	1.3	3.0	.5	0	0	0	
18		.1	.2	.3	83	1.2	2.8	.6	0	0	0	
19		.1	.2	.3	12	1.3	2.7	.5	0	0	0	
20		.1	.2	.3	9.5	1.2	2.7	.4	0	0	0	
21		.1	.2	.3	8.5	1.2	2.7	.3	0	0	0	
22		.1	.2	.3	8	1.2	2.5	.3	0	0	0	
23		.1	.2	.2	7.5	1.2	2.5	.3	0	0	0	
24		.1	.2	.2	7.5	2.0	2.3	.3	0	0	0	
25		.1	.2	.2	7	1.5	2.3	.3	0	0	0	
26		.1	.2	.2	6	1.2	2.2	.3	0	29	0	
27		.1	.2	.2	5	1.1	2.2	.3	0	0	0	
28		.1	.2	.2	4.2	1.1	2.2	.3	0	0	0	
29		.1	.2	.2	3.0	1.0	2.2	.3	0	0	0	
30		.1	.2	.2	-	1.0	2.0	.3	0	0	0	
31		-	.2	.2	-	20	-	.3	-	0	2.8	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	1.3	.1	0	.04	2.6
December	5.4	.2	.1	.17	11
Calendar year 1935	346.2	38	0	.95	687
January	7.0	.3	.2	.23	14
February	341.3	109	.3	11.8	677
March	62.8	20	1.0	2.03	125
April	215.4	62	2.0	7.18	427
May	21.6	1.8	.3	.70	43
June	1.8	.3	0	.06	3.6
July	29	29	0	.94	58
August	2.8	2.8	0	.09	5.6
September	0	0	0	0	0
Water year 1935-36	688.4	109	0	1.88	1,370

Deep Creek near Hesperia, Calif.

Location.- Water-stage recorder, lat. 34°20'30", long. 117°13'40", in SE¼ sec. 18, T. 3 N., R. 3 W., 0.5 mile above junction with West Fork of Mojave River and 8 miles southeast of Hesperia. Altitude, about 3,050 feet.

Drainage area.- 137 square miles.

Records available.- December 1929 to September 1936.

Extremes.- Maximum discharge during year, 2,170 second-feet Feb. 12 (gage height, 6.10 feet); minimum, 0.1 second-foot at times.
1929-36: Maximum discharge, 7,900 second-feet Feb. 9, 1932 (gage height, 11.30 feet); minimum, 0.1 second-foot at times during 1932, 1933, 1934, 1936.

Remarks.- Records good. Daily discharge estimated July 14-27, Aug. 3-5, 19-22, and 24. Storage in Lake Arrowhead. Hesperia Water Co.'s canal diverts about 2 miles above station.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	3.7	5	7.5	6	74	71	29	10	0.9	0.2	0.7
2	.9	3.7	5	7.5	431	76	67	28	10	.8	.1	.6
3	.8	3.8	5	7	146	79	72	27	10	.8	.1	.7
4	.6	4.2	6.5	7	48	78	146	26	11	.8	.1	.8
5	.6	4.3	9	7	28	72	111	24	10	.7	.1	.8
6	.6	4.5	7	7	21	69	97	24	9.5	.7	.1	.8
7	.5	4.8	6.5	6.5	18	66	99	22	8.5	.6	.2	.8
8	.5	5	6	5.5	15	62	143	21	9	.6	.3	.8
9	.5	5	6	5.5	14	61	161	21	8.5	.6	.3	.7
10	.4	5	6	5.5	13	61	161	20	7.5	.7	.3	.7
11	.5	5	5.5	5.5	79	64	158	20	6.5	.8	.3	15
12	.6	5	5.5	5.5	669	61	149	19	6	.8	.3	14
13	.7	5	5.5	5.5	192	58	131	18	5.5	.8	.2	9.5
14	.8	5	5.5	5.5	185	55	108	16	4.6	.8	.2	8
15	1.0	4.8	5.5	5	224	54	99	16	4.5	.8	.2	5
16	1.7	4.8	5	5	185	50	89	15	4.0	.7	.3	2.2
17	2.1	5	5	5	146	48	81	14	3.2	.7	.2	1.4
18	2.2	4.8	5.5	5	106	45	72	14	3.1	.6	.2	1.0
19	2.2	5.5	6.5	5	93	45	62	13	2.8	.6	.1	.9
20	2.2	5.5	6.5	5	72	43	58	13	2.6	.6	.1	.8
21	2.2	5.5	6.5	5	67	43	54	13	2.5	.5	.1	.8
22	2.2	5.5	6.5	5	71	50	49	12	2.4	.5	.1	.7
23	2.2	5.5	6	5	350	48	48	11	1.9	.4	.1	.6
24	2.4	5.5	6	5	224	39	44	10	1.6	.4	.1	.6
25	2.6	5.5	6	5	125	39	42	9.5	1.5	.4	.2	.6
26	3.1	5.5	6	5.5	91	41	38	9	1.4	.4	.3	.6
27	3.4	5.5	6	5.5	81	39	37	9	1.2	.4	.3	.6
28	3.5	5	6	5.5	98	43	33	9	1.1	.3	.3	.6
29	3.4	5	6.5	6	83	52	31	9	1.1	.3	.4	.6
30	3.5	5	8	6	-	55	30	9	1.1	.3	.6	.5
31	3.5	-	8	5.5	-	78	-	9.5	-	.3	.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	52.2	3.5	0.4	1.68	104
November	147.9	5.5	3.7	4.93	293
December	189.5	9	5	6.11	376
Calendar year 1935	17,758.1	1,180	.3	48.7	35,170
January	177.0	7.5	5	5.71	351
February	3,881	669	6	134	7,700
March	1,748	79	39	56.4	3,470
April	2,541	161	30	84.7	5,040
May	510.0	29	9	16.5	1,010
June	152.6	11	1.1	5.09	303
July	18.6	.9	.3	.60	37
August	7.2	.8	.1	.23	14
September	71.4	15	.5	2.38	142
Water year 1935-36	9,496.4	669	.1	25.9	18,840

Mojave River at Victorville, Calif.

Location.- Water-stage recorder, lat. 34°32'0", long. 117°17'10", in NW¼SE¼ sec. 10, T. 5 N., R. 4 W., 500 feet above Bear Valley highway bridge at Victorville.

Records available.- November 1930 to September 1936.

Extremes.- Maximum discharge during year, 195 second-feet Feb. 23 (gage height, 1.18 feet); minimum, 18 second-feet June 23 and 24.
1930-36: Maximum discharge, 12,500 second-feet Feb. 9, 1932; minimum, 15 second-feet Aug. 13, 1932, and Aug. 4, 1933.

Remarks.- Records good. Storage at Lake Arrowhead and diversion from Deep Creek by Hesperia Water Co.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	23	25	30	37	37	33	32	25	23	21	20	21
2	24	30	30	37	32	34	33	25	23	21	19	21
3	25	33	30	35	33	35	33	24	23	21	19	21
4	25	35	32	33	37	35	33	24	23	21	19	21
5	25	35	33	33	37	36	34	24	23	22	19	21
6	27	37	33	35	32	34	34	23	24	22	19	22
7	29	33	33	35	33	33	35	23	24	22	19	22
8	30	39	33	35	33	30	35	22	25	22	19	22
9	27	37	33	35	33	29	34	22	25	22	19	22
10	25	30	33	33	33	28	34	22	25	23	19	22
11	25	32	35	35	33	26	33	21	24	23	19	22
12	29	32	37	33	61	24	32	21	24	23	19	23
13	30	35	35	35	43	24	32	21	23	24	19	23
14	32	35	35	35	41	24	30	22	23	24	19	24
15	33	33	35	35	41	25	29	23	22	24	20	24
16	32	33	35	35	41	25	29	24	22	23	21	24
17	29	33	35	37	41	25	28	26	21	23	21	24
18	25	33	35	37	43	25	28	26	21	23	21	24
19	24	32	33	35	43	25	28	25	20	22	21	24
20	24	35	33	35	41	26	27	25	20	22	21	24
21	25	35	33	35	41	26	27	24	19	22	21	24
22	25	35	33	39	41	27	26	24	19	22	21	24
23	25	35	33	37	70	28	26	23	18	22	21	24
24	25	35	33	35	49	30	26	22	18	22	21	25
25	24	33	33	35	41	30	25	22	20	21	21	25
26	25	33	33	33	35	32	25	22	22	21	21	25
27	35	33	35	35	35	32	25	22	22	21	21	25
28	37	35	35	32	34	30	25	22	21	21	21	25
29	29	35	33	33	33	30	25	23	21	21	21	25
30	29	35	33	35	-	29	25	23	21	20	21	25
31	27	-	35	37	-	29	-	23	-	20	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	849	37	23	27.4	1,680
November	1,011	39	25	33.7	2,010
December	1,037	37	30	33.5	2,060
Calendar year 1935	16,825	846	15	46.1	33,370
January	1,086	39	32	35.0	2,150
February	1,147	70	32	39.6	2,280
March	899	36	24	29.0	1,780
April	888	35	25	29.6	1,760
May	718	26	21	23.2	1,420
June	659	25	18	22.0	1,310
July	681	24	20	22.0	1,350
August	623	21	19	20.1	1,240
September	698	25	21	23.3	1,380
Water year 1935-36	10,296	70	18	28.1	20,420

Mojave River at Barstow, Calif.

Location.- Water-stage recorder, lat. 34°54'25", long. 117°1'20", in SW¼SE¼ sec. 31, T. 10 N., R. 1 W., on U. S. Highway 91 at Barstow.

Records available.- November 1930 to September 1936.

Extremes. 1930-36: Maximum discharge, 8,300 second-feet Feb. 9, 1932 (gage height, 3.95 feet); no flow several months each year.

Remarks.- No flow during year. Considerable diversion for irrigation above station.

West Fork of Mojave River near Hesperia, Calif.

Location.- Water-stage recorder, lat. 34°20'20", long. 117°14'35", in SE¼ sec. 13, T. 3 N., R. 4 W., at highway bridge 0.5 mile above junction with Mojave River and 7 miles southeast of Hesperia. Altitude, about 3,050 feet.

Drainage area.- 74.8 square miles.

Records available.- January 1930 to September 1936.

Extremes.- Maximum discharge during year, 418 second-feet Feb. 11 (gage height, 2.98 feet); no flow for several months.
1930-36: Maximum discharge, 6,000 second-feet Feb. 8, 1932 (gage height, 10.00 feet); no flow during each summer.

Remarks.- Records good. Discharge estimated Mar. 19-23, May 7-23.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0	18	27	3.1				
2					46	15	20	2.4				
3					12	13	18	2.0				
4					2.7	11	162	1.6				
5					0	9.5	118	1.1				
6					0	8	74	.8				
7					0	7.5	53	.7				
8					0	6.5	44	.6				
9					0	6	37	.5				
10					0	5	32	.4				
11					45	4.5	26	.3				
12					146	3.5	23	.2				
13					99	3.1	20	.2				
14					95	2.9	15	.2				
15					188	2.7	13	.2				
16					163	2.4	11	.1				
17					98	2.4	10	.1				
18					88	2.0	8.5	.1				
19					88	1.9	8.5	.1				
20					70	1.7	8	.1				
21					51	1.6	7	.1				
22					39	1.6	6.5	.1				
23					126	1.6	5.5	.1				
24					111	2.7	5	0				
25					65	7.5	4.5	0				
26					46	6	4.0	0				
27					38	2.7	3.5	0				
28					31	2.4	3.1	0				
29					23	2.2	3.1	0				
30					-	2.6	3.3	0				
31					-	38	-	0				

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	8,449.8	466	0	23.2	16,760
January	0	0	0	0	0
February	1,670.7	188	0	57.6	3,310
March	195.5	38	1.6	6.31	388
April	773.5	162	3.1	25.8	1,530
May	15.1	3.1	0	.49	30
June	0	0	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	2,654.8	188	0	7.25	5,260

Rock Creek near Valyermo, Calif.

Location.- Water-stage recorder, lat. 34°25'10", long. 117°50'25", in NE¼ sec. 20, T. 4 N., R. 9 W., 1⅝ miles southeast of Valyermo. Altitude, about 4,050 feet.

Drainage area.- 23.0 square miles.

Records available.- January 1923 to September 1936.

Average discharge.- 13 years, 11.0 second-feet.

Extremes.- Maximum discharge during year, 70 second-feet Feb. 23 (gage height, 1.85 feet); minimum, 2.0 second-feet July 21 and 22 (gage height, 0.88 foot).
1923-36: Maximum discharge, 510 second-feet Feb. 16, 1927; minimum, 1.2 second-feet Aug. 22, 1925.

Remarks.- Records fair. No diversions. Discharge estimated Feb. 3, 20-22, Feb. 24 to Mar. 4, and May 17-28. Results of 14 discharge measurements furnished by Los Angeles County Flood Control District.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	6.5	6.5	4.8	6	13	9	9	5.5	3.4	2.7	2.7
2	8.5	6.5	6	5	32	13	9	9	5.5	3.6	2.7	2.7
3	8.5	6.5	6	4.8	16	13	9.5	9	5	3.6	2.8	2.8
4	8	6.5	6.5	5	11	12	10	9	5	3.4	2.8	3.0
5	8	6.5	6	5.5	9.5	12	10	9	4.8	3.2	2.8	2.8
6	7.5	6.5	6.5	5	8.5	12	10	9	4.8	3.2	2.8	2.8
7	7	6	6	5	7.5	12	9.5	9	4.8	3.0	2.7	2.8
8	7	6	6	5	7	11	10	9	4.8	3.0	2.8	2.8
9	6.5	6	5.5	4.6	7	11	11	8.5	4.4	3.0	2.8	2.8
10	6.5	6	5.5	4.6	6.5	12	11	8	4.4	3.0	2.5	2.8
11	6.5	6	5.5	4.6	23	12	12	8	4.2	2.8	2.5	2.8
12	6.5	6	5	4.6	45	11	12	7.5	4.2	2.8	2.4	2.8
13	6.5	5.5	4.8	4.6	28	12	13	7	4.2	2.7	2.4	3.0
14	6	5.5	4.6	4.6	25	11	13	7	3.8	2.5	2.4	3.0
15	6.5	5.5	4.2	4.4	24	11	14	6.5	3.8	2.5	2.4	2.8
16	6.5	5.5	4.0	4.4	23	11	13	6	3.8	2.5	2.4	2.7
17	6	5.5	4.0	4.6	20	11	13	6	3.8	2.4	2.4	2.7
18	6.5	5	4.0	4.6	20	11	13	6	4.0	2.4	2.4	2.5
19	6	5	4.2	4.6	16	11	12	6	3.8	2.4	2.4	2.7
20	6	5	4.2	4.8	15	11	12	6	4.0	2.2	2.2	2.5
21	6	5	4.4	4.6	14	12	11	5.5	3.8	2.2	2.4	2.5
22	6	5	4.4	4.6	18	12	11	5.5	3.8	2.4	2.4	2.5
23	6	5.5	4.4	4.4	55	12	11	5.5	3.8	2.4	2.5	2.4
24	6	5.5	4.4	4.4	38	11	11	5.5	3.6	2.5	2.4	2.4
25	6	6	4.6	4.4	30	11	10	5.5	3.6	2.5	2.5	2.4
26	6	6	4.6	4.4	22	10	10	5.5	3.6	2.7	2.7	2.4
27	5.5	6	4.6	4.4	19	10	10	5.5	3.6	2.7	2.7	2.4
28	6	6.5	4.8	4.2	16	9.5	9.5	5.5	3.6	2.7	2.8	2.4
29	7	6.5	5.5	4.2	14	9	9.5	5.5	3.4	2.7	2.8	2.4
30	6.5	6.5	5	4.2	-	10	9.5	5.5	3.6	2.8	2.7	2.4
31	6.5	-	5	4.2	-	12	-	5.5	-	2.8	2.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	207.0	9	5.5	6.68	411
November	176.0	6.5	5	5.87	349
December	156.7	6.5	4.0	5.05	311
Calendar year 1935	8,252.2	196	4.0	22.6	16,360
January	143.1	5.5	4.2	4.62	284
February	576	55	6	19.9	1,140
March	351.5	13	9	11.3	697
April	328.5	14	9	11.0	652
May	215.0	9	5.5	6.94	426
June	125.0	5.5	3.4	4.17	248
July	86.0	3.6	2.2	2.77	171
August	79.9	2.8	2.2	2.58	158
September	79.7	3.0	2.4	2.66	158
Water year 1935-36	2,524.4	55	2.2	6.90	5,000

Owens River near Round Valley, Calif.

Location.- Water-stage recorder, lat. 37°26'25", long. 118°33'20", in SE¼ sec. 10, T. 6 S., R. 31 E., below Sheep Bridge, 700 feet above mouth of Rock Creek, and 2 miles north of Round Valley. Altitude, about 4,450 feet.

Drainage area.- About 450 square miles.

Records available.- August 1903 to September 1923, April 1927 to September 1936.

Average discharge.- 29 years, 225 second-feet.

Extremes.- Maximum discharge during year, 640 second-feet June 25 (gage height, 3.38 feet); minimum, 46 second-feet Sept. 6.
1903-23, 1927-36: Maximum discharge recorded, 1,190 second-feet June 30, 1907 (gage height, 4.0 feet); minimum, 5.4 second-feet Feb. 13, 1923.

Remarks.- Record affected by power development in Owens River gorge and diversions from tributaries for irrigation in Long Valley above station (see also Rock Creek at Sherwin Hill, near Bishop, Calif.). Daily-discharge record furnished by city of Los Angeles.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	132	116	125	118	146	165	172	182	340	378	220	116
2	135	123	125	123	159	165	212	180	303	354	215	114
3	128	120	125	135	131	163	210	189	279	340	202	119
4	125	118	137	136	133	163	218	198	270	328	195	132
5	123	118	135	145	140	163	205	215	267	324	182	142
6	120	132	130	136	144	163	193	223	249	324	182	140
7	120	137	125	128	148	163	220	223	234	328	178	145
8	120	137	130	126	155	163	282	210	231	328	171	140
9	120	132	128	131	146	163	340	202	228	315	185	137
10	123	128	130	136	144	165	378	210	228	312	196	134
11	123	125	137	135	153	165	415	218	243	297	195	129
12	123	128	147	131	155	165	434	223	264	279	185	127
13	123	125	135	135	155	165	434	234	294	264	180	124
14	125	123	128	136	157	170	471	249	318	258	171	127
15	137	125	123	147	167	172	488	255	344	237	162	122
16	135	125	116	146	163	178	467	264	350	228	171	122
17	132	137	118	137	155	180	415	267	360	225	165	124
18	130	137	121	144	163	191	376	273	374	215	150	122
19	128	130	115	142	157	200	336	282	374	223	150	119
20	128	132	123	142	157	200	297	276	389	228	150	124
21	123	132	118	138	159	207	257	276	404	258	150	116
22	118	135	117	136	180	228	218	270	422	360	145	116
23	116	135	117	136	184	207	215	270	438	324	140	116
24	123	135	117	134	170	198	210	273	467	294	134	116
25	130	130	117	136	174	187	198	282	480	276	129	119
26	132	128	115	134	170	182	202	297	463	258	132	114
27	130	125	120	134	165	182	202	318	455	255	124	116
28	128	130	120	136	170	176	200	337	446	258	124	122
29	128	125	125	146	167	189	195	324	430	228	122	124
30	111	125	120	138	-	228	189	324	404	215	119	124
31	111	-	122	134	-	220	-	328	-	210	119	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,880	137	111	125	7,700
November	3,848	137	116	128	7,630
December	3,861	147	115	125	7,660
Calendar year 1935	62,150	455	71	170	123,300
January	4,211	147	118	136	8,350
February	4,567	184	131	157	9,060
March	5,626	228	163	181	11,160
April	8,649	488	172	288	17,160
May	7,872	337	180	254	15,610
June	10,348	480	228	345	20,520
July	8,721	378	210	281	17,300
August	5,043	220	119	163	10,000
September	3,742	145	114	125	7,420
Water year 1935-36	70,368	488	111	192	139,600

Owens River at Pleasant Valley, near Bishop, Calif.

Location.- Water-stage recorder, lat. 37°25'0", long. 118°31'40", in NW¼ sec. 24, T. 6 S., R. 31 E., 1,000 feet above Owens River Canal intake, 2.2 miles below Rock Creek, and 8 miles northwest of Bishop. Altitude, about 4,350 feet.

Drainage area.- 596 square miles.

Records available.- March 1918 to September 1936.

Average discharge.- 18 years, 229 second-feet.

Extremes.- Maximum discharge during year, 780 second-feet June 26 (gage height, 5.30 feet); minimum, 116 second-feet Dec. 26 (result of regulation).
1918-36: Maximum discharge, 1,580 second-feet June 13, 1921 (gage height, 6.15 feet); minimum, 53 second-feet Aug. 25, 1931.

Remarks.- Diversions from tributaries and power plant regulation above station. Daily-discharge record furnished by city of Los Angeles.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	169	174	182	174	189	212	212	251	448	547	333	170
2	166	173	180	179	232	208	244	243	400	516	321	169
3	166	172	183	191	192	207	245	257	380	510	298	172
4	165	172	206	198	180	207	252	270	374	503	287	178
5	164	175	192	201	187	205	250	293	358	488	272	183
6	161	179	188	194	185	204	235	303	342	477	270	184
7	160	182	188	183	194	201	266	293	322	477	263	192
8	160	182	195	184	195	201	309	270	313	480	256	186
9	157	181	189	196	189	203	410	247	313	446	275	175
10	156	181	192	194	189	207	469	257	318	430	287	174
11	155	180	188	192	204	210	534	283	354	412	281	170
12	155	180	184	182	208	213	587	305	410	377	264	166
13	156	185	180	191	199	217	595	322	456	365	250	167
14	160	180	177	192	202	220	629	347	488	360	240	170
15	173	185	173	199	208	222	598	369	499	343	220	167
16	176	186	169	195	205	224	570	393	501	336	226	168
17	173	192	165	179	188	225	461	412	521	336	220	170
18	174	195	165	182	196	230	410	451	562	326	212	169
19	174	187	163	187	192	236	374	482	576	338	204	167
20	172	187	174	184	195	236	351	448	605	366	203	170
21	170	187	174	182	195	238	315	415	635	500	196	166
22	166	190	173	179	244	247	299	409	655	620	190	166
23	170	190	172	179	252	237	289	421	690	526	184	163
24	177	189	170	179	225	234	278	436	642	458	178	162
25	181	188	173	179	221	227	272	473	655	418	173	163
26	183	185	170	178	213	222	278	477	685	377	173	162
27	175	185	176	178	212	225	281	488	680	375	169	164
28	172	185	176	179	214	219	283	492	672	378	172	170
29	187	183	183	186	214	226	276	466	618	366	177	170
30	174	182	177	177	-	246	266	456	576	333	175	172
31	174	-	182	180	-	244	-	456	-	317	174	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,221	187	155	168	10,360
November	5,492	195	172	183	10,890
December	5,559	206	163	179	11,030
Calendar year 1935	85,604	660	123	235	169,800
January	5,753	201	174	186	11,410
February	5,919	252	180	204	11,740
March	6,853	247	201	221	13,590
April	10,838	629	212	361	21,500
May	11,485	492	243	370	22,780
June	15,048	690	313	502	29,850
July	13,101	620	317	423	25,990
August	7,143	333	169	230	14,170
September	5,125	192	162	171	10,170
Water year 1935-36	97,537	690	155	266	193,500

Owens River near Big Pine, Calif.

Location.- Water-stage recorder, lat. 37°1'45", long. 118°13'30", in NE¼ sec. 2, T. 11 S., R. 34 E., at Charlies Butte, 11 miles southeast of Big Pine. Altitude, about 3,850 feet.

Drainage area.- 1,930 square miles.

Records available.- September 1906 to September 1936.

Average discharge.- 30 years, 330 second-feet.

Extremes.- Maximum discharge during year, 579 second-feet June 3 (gage height, 4.08 feet); minimum, 9 second-feet Sept. 30.
1906-36: Maximum discharge, about 3,220 second-feet Jan. 26, 1914 (gage height, 11.2 feet); minimum, 4 second-feet June 6, 1930.

Remarks.- Diversions above station from river and tributaries. Storage in Tinemaha Reservoir (capacity 16,600 acre-feet). Intake of Los Angeles Aqueduct is 4 miles downstream from station. Daily-discharge record furnished by city of Los Angeles.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	278	299	346	351	291	202	121	403	576	522	224	275
2	306	308	347	300	305	200	118	398	576	522	210	268
3	308	308	346	243	297	196	103	399	573	522	208	261
4	305	312	358	238	297	188	107	395	573	518	190	261
5	300	311	365	235	292	250	103	401	558	514	175	265
6	294	316	382	233	291	295	103	403	552	515	172	270
7	293	320	369	230	291	300	103	413	536	514	165	278
8	286	328	364	226	291	302	103	424	521	511	204	286
9	288	332	358	225	294	297	107	426	504	515	334	289
10	290	332	360	228	294	291	118	413	489	511	366	289
11	287	329	364	230	297	286	147	399	478	517	396	285
12	281	324	367	229	291	286	166	408	485	514	418	282
13	280	328	367	231	291	286	193	419	504	503	426	277
14	282	330	365	257	291	299	242	419	521	452	420	271
15	284	331	355	287	291	307	262	430	531	271	402	271
16	292	332	351	287	400	308	262	454	527	221	379	274
17	300	339	344	287	572	322	242	469	531	204	358	265
18	304	343	325	287	566	316	223	490	536	192	352	263
19	305	346	323	287	566	300	192	493	542	199	334	258
20	305	351	325	289	555	258	170	496	544	209	320	254
21	302	346	330	289	547	192	178	503	547	256	310	253
22	304	342	339	291	536	158	296	504	547	277	303	254
23	300	344	339	291	534	143	360	507	507	327	295	250
24	302	347	328	287	481	140	363	504	422	373	288	247
25	302	353	334	287	373	133	362	507	427	362	281	244
26	304	346	330	287	260	121	366	513	420	321	271	242
27	308	347	325	287	234	114	370	525	420	305	264	240
28	314	346	337	287	208	108	386	539	424	268	260	165
29	311	346	349	287	206	103	395	555	422	250	263	74
30	308	346	353	289	-	100	405	555	465	234	274	45
31	308	-	355	289	-	104	-	564	-	236	277	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9,231	314	278	298	18,310
November	9,982	353	299	333	19,800
December	10,800	382	323	348	21,420
Calendar year 1935	123,267	524	114	338	244,500
January	8,353	351	225	269	16,570
February	10,442	572	206	360	20,710
March	6,905	322	100	223	13,700
April	6,666	405	103	222	13,220
May	14,328	564	395	462	28,420
June	15,258	576	420	509	30,260
July	11,655	522	192	376	23,120
August	9,139	426	165	295	18,130
September	7,456	289	45	249	14,790
Water year 1935-36	120,215	576	45	328	238,400

Rock Creek at Sherwin Hill, near Bishop, Calif.

Location.- Water-stage recorder, lat. 37°28'45", long. 118°36'5", in SW¼ sec. 29, T. 5 S., R. 31 E., at Sherwin Hill, 3 miles above Pine Creek and 14 miles northwest of Bishop. Altitude, about 4,900 feet.

Drainage area.- 51.7 square miles.

Records available.- August 1922 to September 1936.

Average discharge.- 14 years, 20.5 second-feet.

Extremes.- Maximum discharge during year, 117 second-feet June 24 (gage height, 2.70 feet); minimum, 1.7 second-feet Dec. 13.
1922-36: Maximum discharge recorded, 162 second-feet June 17, 1927 (gage height, 3.04 feet, at former gage); minimum, that of Dec. 13, 1935.

Remarks.- Diversions at elevation about 7,300 feet for irrigation in Little Round Valley and discharge into Owens River at lower end of Long Valley. Daily-discharge record furnished by city of Los Angeles.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	9	10	12	11	14	11	33	56	64	31	16
2	11	10	10	12	8	13	12	35	51	60	29	16
3	10	6	11	12	11	13	12	38	49	59	29	16
4	10	7.5	12	13	10	13	13	37	49	56	32	17
5	10	9	8	11	12	12	12	40	45	55	31	17
6	9.5	12	9	11	12	12	12	39	42	55	29	16
7	9	11	11	6.5	14	12	13	37	41	54	28	16
8	9	11	13	13	12	12	14	36	40	52	30	15
9	8.5	11	9	11	11	12	15	36	36	50	33	15
10	8.5	10	13	12	13	12	15	37	33	51	35	14
11	8.5	10	12	12	13	12	16	40	36	47	36	13
12	8.5	11	11	6	9.5	12	17	43	44	41	33	13
13	8.5	10	4.5	14	12	12	18	46	58	36	31	13
14	8.5	7	8	13	15	12	19	48	66	33	28	12
15	9.5	10	8.5	11	15	12	20	50	66	34	24	12
16	9	11	8	9	14	12	21	52	66	36	23	12
17	9	11	6	8.5	13	12	23	54	66	37	22	12
18	9.5	10	5.5	8	14	12	23	55	73	37	22	12
19	9.5	10	6	14	13	12	24	57	80	40	21	12
20	9.5	11	8	11	13	12	25	59	83	45	20	11
21	9	11	10	11	13	12	27	61	89	56	20	11
22	9	11	9	12	13	12	29	59	92	67	19	11
23	9	11	7	11	13	11	31	60	96	62	18	11
24	9.5	11	8	11	13	12	32	60	113	53	17	11
25	10	11	10	12	13	11	33	72	104	47	16	10
26	10	10	11	11	15	11	35	74	95	43	16	10
27	10	11	11	11	16	12	36	74	97	41	15	10
28	10	10	11	12	16	12	35	72	92	38	15	10
29	9	10	12	11	15	12	35	68	88	35	17	10
30	8.5	10	12	7.5	-	12	33	65	74	32	17	11
31	8	-	12	11	-	11	-	62	-	31	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	285.5	11	5.5	9.21	566
November	303.5	12	6	10.1	602
December	296.5	13	4.5	9.56	588
Calendar year 1935	7,087.0	77	4.5	19.4	14,060
January	340.5	14	6	11.0	675
February	372.5	16	8	12.8	739
March	373	14	11	12.0	740
April	661	36	11	22.0	1,310
May	1,599	74	33	51.6	3,170
June	2,020	113	33	67.3	4,010
July	1,447	67	31	46.7	2,870
August	753	36	15	24.3	1,490
September	385	17	10	12.8	764
Water year 1935-36	8,836.5	113	4.5	24.1	17,520

Rock Creek near Round Valley, Calif.

Location.- Water-stage recorder, lat. 37°26'25", long. 118°34'15", in SE¼ sec. 9, T. 6 S., R. 31 E., 0.1 mile above Pine Creek and 2 miles northwest of Round Valley. Altitude, about 4,450 feet.

Drainage area.- About 96 square miles.

Records available.- August 1903 to September 1923, April 1930 to September 1936.

Average discharge.- 26 years, 38.1 second-feet.

Extremes.- Maximum discharge during year, 107 second-feet June 24 (gage height, 2.86 feet); minimum, 11 second-feet Oct. 31.
1903-23, 1930-36: Maximum discharge recorded, 360 second-feet Jan. 25, 1914 (gage height, 5.0 feet, at former gage); minimum, 7.5 second-feet Sept. 16, 1933.

Remarks.- Water diverted for irrigation above station. Record of daily discharge furnished by city of Los Angeles.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	17	20	17	27	20	16	36	56	69	34	20
2	19	17	21	22	42	19	17	37	54	61	31	20
3	17	17	21	24	18	20	16	39	54	61	31	20
4	17	18	27	24	18	19	16	32	54	60	32	17
5	17	18	20	21	20	20	16	32	51	60	31	16
6	17	18	21	21	19	20	16	35	50	55	31	18
7	17	18	21	18	21	20	15	34	49	51	30	21
8	17	18	23	19	20	20	14	31	48	52	31	20
9	15	18	19	23	19	18	14	32	46	50	32	14
10	15	18	23	24	19	18	14	34	43	50	34	13
11	15	18	22	23	22	18	16	36	44	47	37	14
12	15	18	21	16	24	18	16	37	48	43	38	13
13	15	18	15	24	20	16	16	42	54	41	36	13
14	15	18	16	23	20	16	16	51	59	38	34	14
15	16	18	17	21	20	16	14	56	60	35	29	14
16	16	18	14	21	20	16	16	58	58	34	29	15
17	16	19	13	15	17	17	17	58	61	39	29	16
18	17	18	14	14	16	18	18	61	68	39	29	17
19	17	18	14	20	16	18	20	65	74	41	27	17
20	16	18	17	19	15	18	23	63	77	44	26	16
21	15	17	18	20	16	17	24	60	83	63	21	16
22	15	18	19	19	17	18	26	56	89	74	19	16
23	16	17	17	20	17	18	29	57	94	66	19	16
24	18	17	16	20	18	17	31	61	104	57	17	16
25	18	17	18	20	18	16	34	69	103	50	16	15
26	18	17	20	20	19	17	37	74	93	43	13	13
27	18	18	20	20	20	19	38	73	93	43	17	14
28	18	19	20	20	20	17	37	70	91	41	19	14
29	17	20	20	20	20	18	38	63	86	37	22	15
30	14	20	19	16	-	18	36	61	78	32	22	16
31	15	-	21	21	-	18	-	61	-	31	20	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	510	19	14	16.5	1,010
November	538	20	17	17.9	1,070
December	587	27	13	18.9	1,160
Calendar year 1935	9,147	81	10	25.1	18,130
January	625	24	14	20.2	1,240
February	578	42	15	19.9	1,150
March	558	20	16	18.0	1,110
April	656	38	14	21.9	1,300
May	1,574	74	31	50.8	3,120
June	2,022	104	43	67.4	4,010
July	1,507	74	31	48.6	2,990
August	836	38	13	27.0	1,660
September	479	21	13	16.0	950
Water year 1935-36	10,470	104	13	28.6	20,770

Pine Creek at division box, near Bishop, Calif.

Location.- Water-stage recorder, lat. 37°24'55", long. 118°37'10", in NW¼ sec. 19, T. 6 S., R. 31 E., a quarter of a mile above division box and forks of creek, 4 miles west of Round Valley, and 13 miles northwest of Bishop. Altitude, about 5,250 feet.

Drainage area.- 37.9 square miles.

Records available.- October 1921 to September 1936.

Average discharge.- 15 years, 37.1 second-feet.

Extremes.- Maximum discharge during year, 350 second-feet July 21 (gage height, 3.58 feet); minimum, 13 second-feet Feb. 13.
1922-36: Maximum discharge, that of July 21, 1936; minimum, 10 second-feet Jan. 8, 1930, Jan. 21, 1935.

Remarks.- No diversions. Daily-discharge record furnished by city of Los Angeles.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	23	20	18	18	18	20	18	33	60	153	107	32
2	22	20	18	18	17	20	18	41	58	151	92	32
3	22	20	18	18	16	20	18	51	58	147	80	32
4	21	20	19	18	16	20	18	61	51	149	74	32
5	21	20	18	18	18	20	18	68	60	142	70	32
6	21	20	18	18	18	20	18	62	74	136	66	30
7	21	20	18	17	18	20	18	52	65	145	62	29
8	21	20	18	17	18	20	19	47	65	132	65	28
9	21	20	18	17	18	20	21	51	76	117	73	26
10	21	20	18	17	17	20	23	68	114	109	70	26
11	21	20	18	17	18	20	26	78	141	107	65	26
12	21	20	18	17	18	20	28	86	176	107	61	26
13	21	20	17	17	19	20	30	97	170	111	60	26
14	21	20	17	18	19	20	33	105	168	113	58	25
15	21	20	17	18	19	20	38	93	158	111	55	25
16	21	19	17	18	19	20	42	95	173	113	52	24
17	21	19	17	18	19	20	44	101	183	113	50	24
18	21	19	18	18	19	20	46	112	191	113	47	23
19	21	18	18	18	19	20	47	101	193	117	45	22
20	21	18	18	18	19	20	47	73	186	151	44	22
21	21	18	18	18	19	20	48	71	204	235	43	21
22	21	18	18	18	18	20	49	87	214	205	41	22
23	21	18	18	18	18	20	51	110	247	151	39	21
24	21	18	18	18	18	20	51	122	215	127	38	21
25	21	18	18	18	22	20	52	136	187	115	36	21
26	21	18	18	18	21	20	54	126	181	105	34	20
27	20	18	18	18	20	19	54	115	181	105	34	20
28	20	18	18	18	20	19	51	110	173	99	33	20
29	19	18	18	17	20	19	58	104	158	103	33	20
30	19	18	18	17	-	19	35	90	154	94	33	20
31	19	-	18	17	-	19	-	74	-	103	33	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	647	23	19	20.9	1,280
November	573	20	18	19.1	1,140
December	554	19	17	17.9	1,100
Calendar year 1935	14,394	182	10	39.4	28,550
January	548	18	17	17.7	1,090
February	538	22	16	18.6	1,070
March	615	20	19	19.8	1,220
April	1,073	58	18	35.8	2,130
May	2,620	136	33	84.5	5,200
June	4,334	247	51	144	8,600
July	3,979	235	94	128	7,890
August	1,693	107	33	54.6	3,360
September	748	32	20	24.9	1,480
Water year 1935-36	17,922	247	16	49.0	35,560

Pine Creek near Round Valley, Calif.

Location.- Water-stage recorder, lat. 37°28'10", long. 118°34'10", in SE¼ sec. 9, T. 6 S., R. 31 E., 600 feet above junction with Rock Creek and 2 miles northwest of Round Valley. Altitude, about 4,450 feet.

Drainage area.- About 58 square miles.

Records available.- August 1903 to September 1923, April 1930 to September 1936.

Average discharge.- 26 years, 21.3 second-feet.

Extremes.- Maximum discharge during year, 255 second-feet July 22 (gage height, 3.73 feet); minimum, 0.5 second-foot Oct. 1.
1903-23, 1930-36: Maximum mean daily discharge (estimated), 370 second-feet June 22, 1911; minimum, 0.1 second-foot July 30, Aug. 13, 1920, May 23, 1930, many days in 1931, Aug. 25, 1934.

Remarks.- Water diverted for irrigation above station. Daily-discharge record furnished by city of Los Angeles.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	3.8	4.6	3.8	8.5	4.2	1.4	6.5	28	88	52	4.1
2	1.4	4.6	4.6	4.6	19	4.2	1.4	5.5	26	86	37	4.0
3	2.8	4.7	4.7	5	5	4.0	1.4	8.5	27	90	33	3.8
4	3.3	4.6	13	8	4.0	3.8	1.4	12	23	94	30	3.7
5	3.5	4.6	6.5	5.5	4.0	3.7	1.4	19	22	89	33	3.6
6	3.2	5	5.5	4.6	3.7	3.7	1.4	17	34	81	32	3.5
7	3.2	5.5	5	3.8	3.8	3.5	1.3	15	26	86	31	3.3
8	3.7	5.5	5	3.8	3.7	3.3	1.3	9.5	24	85	31	3.3
9	3.3	4.7	4.7	4.7	3.7	3.0	1.3	5	30	63	36	3.5
10	2.8	4.4	4.6	5.5	3.7	2.7	1.3	11	46	50	34	3.7
11	2.7	4.6	4.9	4.6	9.5	2.7	1.3	17	68	43	26	3.3
12	2.5	4.9	5.5	3.8	9.5	2.7	1.2	22	88	44	22	2.5
13	2.7	5.5	4.7	3.8	6.5	2.7	1.2	31	94	45	19	3.5
14	2.4	4.9	4.6	3.8	5.5	2.7	1.2	36	88	46	17	4.0
15	2.7	5	4.4	3.5	5.5	2.7	1.2	32	81	46	14	4.0
16	3.0	5.5	4.0	3.3	4.9	2.7	2.2	34	87	45	12	4.4
17	3.7	5.5	3.8	3.0	3.3	2.7	3.8	41	124	42	10	4.6
18	4.6	5.5	3.7	3.0	3.7	2.7	5	52	145	40	6.5	4.0
19	4.6	5	3.8	3.0	3.5	2.7	5.5	56	154	44	6	3.7
20	4.4	5	4.2	3.2	3.7	2.5	4.4	45	152	76	5.5	3.8
21	4.4	5.5	4.4	3.0	4.0	2.2	3.5	38	153	199	5.5	3.7
22	4.4	5.5	4.2	3.2	13.	1.9	3.5	39	161	196	5.5	3.7
23	4.6	5.5	4.0	3.2	19	1.8	3.0	48	178	109	5	3.3
24	4.7	5	3.8	3.0	9.5	1.8	2.7	54	183	82	5	2.2
25	4.7	5	3.7	3.0	6.5	1.8	2.7	57	140	66	4.9	1.5
26	4.6	4.7	3.8	3.0	5.5	1.8	2.8	54	125	50	4.8	1.4
27	4.6	4.6	4.4	3.7	4.9	1.8	6.5	52	125	65	4.7	1.5
28	4.4	4.6	4.0	4.0	4.7	1.9	13	50	130	70	4.6	1.9
29	3.3	4.6	4.2	3.7	4.0	2.1	10	44	95	70	4.4	1.3
30	3.5	4.6	4.6	3.3	-	1.8	8.5	38	86	44	4.3	1.4
31	3.7	-	4.2	3.8	-	1.7	-	34	-	42	4.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	108.2	4.7	0.8	3.49	215
November	148.4	5.5	3.8	4.95	294
December	147.1	13	3.7	4.75	292
Calendar year 1935	5,268.0	123	.5	14.4	10,450
January	121.2	8	3.0	3.91	240
February	185.8	19	3.3	6.41	369
March	83.5	4.2	1.7	2.69	166
April	96.8	13	1.2	3.23	192
May	983.0	57	5	31.7	1,950
June	2,743	183	22	91.4	5,440
July	2,276	199	40	73.4	4,510
August	539.9	52	4.2	17.4	1,070
September	96.2	4.6	1.3	3.21	191
Water year 1935-36	7,529.1	199	.8	20.6	14,930

Mono Lake near Mono Lake, Calif.

Location.- Staff gage, lat. 38°0', long. 119°8', in NE¼ sec. 31, T. 2 N., R. 26 E., about a mile south of Mono Lake post office.

Records available.- June 1912 to September 1936.

Extremes.- 1912-36: Maximum stage, 37.4 feet July 18, 1919; minimum, 23.8 feet Nov. 18, 1935.

Remarks.- The following table shows the stage above datum 6,390.66 feet above mean sea level (general adjustment of 1929). See Water-Supply Paper 765 for summary of previous Mono Lake records.

Gage height, in feet, water year 1935-36

Date	U. S. Forest Service	City of Los Angeles	Date	U. S. Forest Service	City of Los Angeles
1935			1936		
Oct. 3	-	24.2	Apr. 2	-	24.8
9	-	24.1	9	-	24.8
17	-	24.0	14	-	24.8
23	24.2	-	20	24.8	-
24	-	24.0	22	-	24.8
Nov. 18	-	23.8	30	-	24.8
19	24.1	-	May 8	-	24.8
28	-	23.9	15	-	24.8
Dec. 4	-	23.9	17	24.8	-
10	-	24.0	21	-	24.8
18	-	24.0	25	-	24.8
20	-	24.0	June 4	-	24.7
26	-	24.0	9	-	24.7
27	24.0	-	17	-	24.7
30	-	24.1	24	-	24.8
			28	24.8	-
1936			30	-	24.8
Jan. 2	-	24.1	July 10	-	24.8
7	-	24.0	17	-	24.8
18	-	24.2	23	-	24.8
22	-	24.1	24	24.8	-
30	-	24.2	29	-	24.8
Feb. 6	-	24.4	Aug. 4	-	24.8
10	-	24.3	12	-	24.8
17	-	24.5	14	24.6	-
27	-	24.7	18	-	24.7
Mar. 4	-	24.7	25	-	24.6
14	-	24.7	31	-	24.6
18	-	24.8	Sept. 8	-	24.5
26	-	24.8	15	24.4	24.4
			23	-	24.4

WALKER LAKE BASIN

Walker Lake near Hawthorne, Nev.

Location.- Elevations determined by spirit leveling, lat. 38°35', long. 118°42', in NW¼ sec. 1, T. 8 N., R. 29 E., at bathing beach of United States naval ammunition depot, 6 miles northwest of Hawthorne.

Records available.- August 1928 to September 1936. Occasional readings prior to August 1928.

Extremes.- 1928-36: Maximum elevation observed, 4,051.8 feet Mar. 13, 1928 (U. S. Indian Service); minimum, 4,023.0 feet Sept. 4, 1936. On Sept. 27, 1908, lake elevation was 4,078.0 feet, determined by U. S. Coast and Geodetic Survey. Elevations based on benchmarks along precise level lines of Coast and Geodetic Survey (general adjustment of 1912).

Remarks.- Records furnished by U. S. Navy Department.

Elevations, in feet, above mean sea level, water year 1935-36

Oct. 10	4,025.7	Apr. 14	4,025.3
Nov. 12	4,025.7	May 7	4,025.2
Dec. 12	4,025.4	June 9	4,024.1
Jan. 7	4,025.3	July 9	4,024.0
Feb. 7	4,025.2	Aug. 3	4,023.7
Mar. 13	4,025.2	Sept. 4	4,023.0

Bridgeport Reservoir near Bridgeport, Calif.

Location.- Elevation determined at Bridgeport Dam, lat. 38°19'30", long. 119°12'50", in SE¼ sec. 34, T. 6 N., R. 25 E., 4⅛ miles north of Bridgeport.

Records available.- October 1931 to September 1936.

Remarks.- Capacity of reservoir, 42,500 acre-feet. Gage-height record and capacity table furnished by Walker River Irrigation District.

Contents, in acre-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16,660	17,560	20,920	24,140	28,930	33,860	35,700	36,630	31,570	42,610	37,590	26,010
2	16,580	17,580	21,010	24,240	29,040	34,110	35,700	36,230	31,820	42,610	37,180	27,550
3	16,580	17,750	21,110	24,340	29,160	34,240	35,440	35,960	32,080	42,610	36,630	27,200
4	16,500	17,840	21,210	24,560	29,280	34,380	35,440	35,570	32,330	42,460	36,100	26,860
5	16,420	17,920	21,300	24,770	29,400	34,640	35,440	35,170	32,590	42,460	35,700	26,640
6	16,420	18,000	21,400	24,880	29,400	34,900	35,440	34,770	32,840	42,170	35,440	26,640
7	16,420	18,090	21,500	24,990	29,640	35,170	35,170	34,510	33,090	41,880	35,170	26,420
8	16,340	18,180	21,600	25,100	29,880	35,170	34,900	34,240	33,350	42,020	34,510	25,980
9	16,340	18,260	21,700	25,210	30,120	35,300	34,900	33,980	33,600	42,170	34,110	25,650
10	16,340	18,440	21,800	25,430	30,240	35,440	34,900	33,600	33,730	43,070	33,730	25,650
11	16,340	18,520	21,900	25,540	30,360	35,570	34,900	33,220	33,600	42,910	33,600	25,430
12	16,340	18,610	21,990	25,760	30,610	35,570	35,040	32,840	33,730	42,760	33,600	25,100
13	16,340	18,780	22,090	25,980	30,730	35,700	35,170	32,840	33,730	42,460	33,980	24,880
14	16,420	18,870	22,190	26,200	30,970	35,830	35,440	33,090	33,860	42,320	34,110	24,660
15	16,420	18,960	22,280	26,310	31,090	35,830	35,700	32,840	34,110	42,170	34,110	24,660
16	16,500	19,060	22,280	26,420	31,330	35,960	35,830	32,840	34,380	42,170	33,860	24,560
17	16,500	19,150	22,380	26,530	31,450	36,100	36,100	32,640	34,640	42,170	33,600	24,450
18	16,500	19,330	22,360	26,750	31,570	36,100	36,360	32,590	34,900	42,020	33,220	24,240
19	16,580	19,520	22,460	26,980	31,570	36,100	36,630	32,330	35,300	41,580	33,090	24,240
20	16,740	19,610	22,580	27,200	31,700	36,230	37,040	32,080	35,700	41,140	32,840	24,140
21	16,820	19,700	22,900	27,440	31,820	36,230	37,320	31,950	35,960	40,710	32,720	24,140
22	16,900	19,880	23,000	27,550	31,950	36,230	37,460	31,820	36,230	40,270	32,460	24,040
23	16,900	19,980	23,000	27,780	32,080	36,500	37,590	31,700	36,760	39,830	32,330	23,830
24	16,980	20,160	23,100	27,900	32,330	36,500	37,590	31,450	37,320	39,540	32,080	23,830
25	17,060	20,250	23,200	28,010	32,590	36,500	37,730	31,090	38,010	39,260	31,450	23,620
26	17,060	20,340	23,300	28,120	32,840	36,230	37,870	30,970	38,980	39,260	31,090	23,620
27	17,140	20,530	23,410	28,360	33,090	35,960	38,010	30,970	40,120	39,120	30,730	23,410
28	17,230	20,620	23,620	28,470	33,350	35,700	38,150	30,850	40,710	38,430	30,120	23,300
29	17,320	20,720	23,720	28,700	33,600	35,700	38,010	31,090	41,440	38,430	29,760	23,200
30	17,400	20,820	23,940	28,820	-	35,700	37,040	31,210	42,610	38,010	29,280	23,200
31	17,490	-	24,040	28,820	-	35,960	-	31,450	-	37,870	28,930	-

East Walker River near Bridgeport, Calif.

Location.- Staff gage, lat. 38°19'40", long. 119°12'50", in SW¼NE¼ sec. 34, T. 6 N., R. 25 E., 1,500 feet downstream from Bridgeport Reservoir, 5 miles north of Bridgeport, and 10 miles above Sweetwater Creek.

Drainage area.- 362 square miles.

Records available.- October 1921 to September 1936. July 1911 to September 1914 at site 1½ miles upstream.

Average discharge.- 13 years (1922-24, 1925-36), 97.5 second-feet.

Extremes.- Maximum discharge observed during year, 510 second-feet July 1 from rating curve extended above 300 second-feet; minimum, 6 second-feet Nov. 3 to Jan. 31.
1921-36: Maximum discharge, 1,050 second-feet (estimated) June 28-30, 1922; minimum, 2 second-feet several times, when reservoir gates were closed.

Remarks.- Records good. Staff gage read once daily. Considerable areas of meadow and pasture irrigated near Bridgeport. Flow regulated by Bridgeport Reservoir; capacity, 42,500 acre-feet. Gage height record furnished by Walker River Irrigation District.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	81	20	6	6	7	8	241	277	262	469	338	317
2	81	12	6	6	7	8	241	277	246	456	338	317
3	81	6	6	6	7	8	241	277	228	456	338	317
4	81	6	6	6	7	8	241	277	228	456	338	302
5	81	6	6	6	7	8	241	277	212	368	320	246
6	81	6	6	6	7	25	241	277	197	272	282	210
7	81	6	6	6	7	62	241	277	197	250	282	210
8	65	6	6	6	7	62	206	274	197	246	282	210
9	48	6	6	6	7	52	175	272	197	246	282	189
10	40	6	6	6	7	52	169	272	197	402	282	169
11	19	6	6	6	7	63	156	272	197	491	279	169
12	8	6	6	6	7	74	148	248	197	491	228	169
13	8	6	6	6	7	88	143	225	197	344	193	169
14	8	6	6	6	7	107	137	269	197	265	193	136
15	8	6	6	6	7	110	137	289	197	244	193	115
16	e	6	6	6	7	124	137	289	197	244	193	115
17	16	6	6	6	7	139	137	289	200	244	193	115
18	25	6	6	6	7	156	158	307	200	286	193	92
19	23	6	6	6	7	187	177	309	217	304	193	70
20	21	6	6	6	7	208	177	296	279	304	193	70
21	21	6	6	6	7	230	177	296	296	317	191	87
22	21	6	6	6	7	239	177	296	296	341	191	107
23	21	6	6	6	7	239	195	296	296	341	191	107
24	21	6	6	6	7	239	206	296	296	341	212	107
25	21	6	6	6	7	239	195	296	267	341	234	107
26	20	6	6	6	7	239	195	296	244	341	234	107
27	19	6	6	6	7	239	195	296	228	341	244	107
28	19	6	6	6	7	239	195	296	228	341	267	92
29	19	6	6	6	7	239	250	277	330	341	286	64
30	19	6	6	6	-	239	274	260	476	341	320	64
31	19	-	6	6	-	239	-	260	-	341	320	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,084	81	8	35.0	2,150
November	200	20	6	6.7	397
December	186	6	6	6.0	369
Calendar year 1935	37,799	287	6	104	74,970
January	186	6	6	6.0	369
February	203	7	7	7.0	403
March	4,149	239	8	134	8,230
April	5,803	274	137	193	11,510
May	8,715	309	225	281	17,290
June	7,195	475	197	240	14,270
July	10,565	491	244	341	20,960
August	7,823	338	191	252	15,520
September	4,656	317	64	155	9,240
Water year 1935-36	50,765	491	6	139	100,700

West Walker River near Coleville, Calif.

Location.- Water-stage recorder, lat. 38°30'50", long. 119°27'15", in NE¼ sec. 28, T. 8 N., R. 23 E., immediately below Rock Creek (Ross Canyon), at head of Antelope Valley, 5 miles southeast of Coleville, and 10 miles below East Fork.

Drainage area.- 245 square miles.

Records available.- March 1909 to August 1910, June 1915 to September 1936. October 1902 to July 1908 at site half a mile upstream.

Average discharge.- 26 years (1902-7, 1915-36), 277 second-feet.

Extremes.- Maximum discharge recorded during year, 1,540 second-feet June 23 (gage height, 4.75 feet); minimum recorded, 15 second-feet Dec. 13 (gage height, 1.32 feet).

1915-36: Maximum discharge, 2,710 second-feet June 12, 1921 (gage height, 5.74 feet), from rating curve extended above 1,700 second-feet; minimum, 5 second-feet Dec. 3, 1924, Aug. 27, 1931.

Remarks.- Records fair. Discharge Oct. 18-21, 31, Nov. 1-4, 24-25, Dec. 14-23, 25-30, May 17 computed on basis of weather records and discharge records of East Fork of Carson River near Gardnerville, Nev. Discharge May 1-16, 18-30, determined from daily gage readings. Station is above diversions except for a few small ranch ditches. Very slight regulation from storage in Foor Lake Reservoir, 17 miles upstream, capacity unknown.

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)

1.4	19	2.0	85	2.8	313	4.0	960
1.5	25	2.2	124	3.0	400	4.5	1,330
1.6	33	2.4	175	3.3	550	5.0	1,780
1.8	55	2.6	238	3.6	710	5.5	2,310

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	51	60	41	48	56	65	116	440	565	872	208	62
2	58	70	43	54	43	63	120	490	515	884	208	71
3	54	65	47	63	44	66	122	630	505	878	199	72
4	51	60	48	59	77	68	111	872	500	878	187	79
5	50	65	39	50	59	71	116	1,040	540	818	175	83
6	49	66	44	48	59	71	107	800	656	746	170	80
7	48	68	47	45	53	75	124	590	806	776	159	72
8	48	65	47	47	47	82	159	550	630	860	151	66
9	48	66	38	47	45	92	184	635	645	625	146	61
10	44	58	48	53	49	105	208	776	788	515	172	58
11	43	61	47	65	59	109	245	918	1,060	525	205	55
12	44	53	47	48	59	120	294	876	1,200	490	175	55
13	44	47	27	44	45	136	347	1,010	1,190	555	148	56
14	43	42	35	61	58	138	420	1,170	1,150	535	134	59
15	49	55	40	74	59	146	505	1,100	1,060	505	114	62
16	50	51	40	56	56	151	615	1,160	1,080	485	101	61
17	50	53	40	51	51	167	680	1,150	1,110	425	98	56
18	50	44	40	53	59	184	728	1,140	1,170	396	94	55
19	50	43	40	58	58	187	656	1,140	1,190	415	87	53
20	50	48	42	51	55	193	686	806	1,200	430	82	50
21	50	49	45	51	74	205	686	740	1,160	490	72	49
22	51	51	40	51	124	205	716	800	1,200	410	69	49
23	49	48	42	51	72	170	758	995	1,270	373	66	47
24	50	48	44	48	58	159	666	1,160	1,260	351	62	45
25	54	49	45	50	61	143	640	1,230	1,250	309	61	45
26	51	49	45	48	69	134	650	1,250	1,180	267	59	44
27	49	47	46	50	71	134	640	988	1,150	249	53	44
28	48	48	46	49	74	126	560	1,110	1,060	235	54	45
29	47	47	47	49	68	134	460	812	918	228	56	45
30	50	44	47	43	-	131	378	764	842	222	61	47
31	50	-	47	53	-	124	-	640	-	212	56	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,523	58	43	49.1	3,020
November	1,620	70	42	54.0	3,210
December	1,334	48	27	43.0	2,650
Calendar year 1935	98,163	1,590	27	269	194,700
January	1,618	74	43	52.2	3,210
February	1,762	124	43	60.8	3,490
March	3,954	205	63	128	7,840
April	12,717	758	107	424	25,220
May	27,784	1,250	440	896	55,110
June	28,850	1,270	500	962	57,220
July	15,959	884	212	515	31,650
August	3,682	208	53	119	7,300
September	1,726	83	44	57.5	3,420
Water year 1935-36	102,529	1,270	27	280	203,300

Topaz Reservoir near Topaz, Calif.

Location.- Elevations obtained near outlet works of Topaz Reservoir, lat. 38°41', long. 119°31', in sec. 28, T. 10 N., R. 22 E., 6 miles north of Topaz.

Records available.- October 1931 to September 1936.

Remarks.- Topaz Reservoir, formerly Alkali Lake, was formed by diverting water through a feeder canal from West Walker River, and constructing outlet works through a low saddle in rim of lake. Contents shown represent available storage only. The usable capacity is about 45,000 acre-feet. Gage-height record and capacity table furnished by Walker River Irrigation District.

Contents, in acre-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14,050	13,810	-	-	-	-	35,550	-	38,160	44,180	35,640	22,760
2	-	-	-	-	-	-	-	37,440	37,980	44,180	34,920	22,420
3	-	-	18,000	21,660	-	32,940	-	-	37,620	44,180	34,380	22,080
4	13,560	-	-	-	26,500	-	35,550	36,900	37,260	44,180	34,020	21,920
5	-	13,970	-	-	-	-	-	37,080	36,900	44,180	33,480	21,740
6	-	-	18,520	-	-	33,480	-	37,440	36,540	44,180	32,490	21,740
7	-	14,380	-	-	26,930	-	35,640	37,620	36,180	44,360	32,050	21,580
8	13,320	-	-	-	-	-	-	37,800	35,820	44,360	31,520	21,400
9	-	-	-	-	-	-	35,640	37,980	35,460	44,730	31,000	21,240
10	-	-	19,020	22,510	-	-	-	37,800	35,100	44,920	30,650	21,060
11	13,400	-	-	-	27,440	-	35,640	37,800	34,920	44,920	30,480	20,900
12	-	14,620	-	-	-	-	-	37,980	35,100	44,540	30,480	20,720
13	-	-	19,540	-	-	34,740	-	38,160	35,280	44,180	30,300	20,560
14	-	-	-	23,530	28,550	-	35,820	38,520	35,640	43,990	30,300	20,380
15	13,160	14,950	-	-	-	-	-	38,880	35,820	43,800	30,120	20,380
16	-	-	-	-	-	-	35,820	39,420	36,270	43,620	29,780	20,220
17	-	-	19,960	23,870	-	34,920	-	-	37,080	43,440	29,600	19,880
18	13,400	-	-	-	29,340	-	-	40,320	37,800	43,440	29,420	19,700
19	-	15,940	-	-	-	-	-	40,680	38,880	43,080	29,080	19,540
20	-	-	20,130	-	-	35,010	36,360	40,680	39,600	42,880	27,180	19,540
21	-	-	-	-	29,950	-	37,080	40,500	40,680	42,510	27,020	19,360
22	13,560	16,600	-	24,380	-	-	-	40,140	41,770	41,960	26,840	19,200
23	-	-	-	-	-	-	37,800	39,960	42,320	41,220	26,680	19,200
24	-	-	20,470	24,720	-	35,010	37,980	39,780	43,060	40,680	26,340	19,020
25	13,720	-	-	-	31,440	-	37,980	39,600	43,990	39,960	26,160	18,860
26	-	17,090	-	-	-	-	-	39,600	44,180	39,420	25,820	18,860
27	-	-	-	-	-	35,370	-	39,420	44,180	38,700	25,140	18,680
28	-	-	-	25,320	32,140	-	38,340	39,420	44,180	37,980	24,460	18,680
29	13,810	17,500	-	-	-	-	-	39,240	44,180	37,620	23,960	18,680
30	-	-	-	-	-	-	38,160	39,060	44,180	37,080	23,440	18,680
31	13,810	-	21,240	25,660	-	35,460	-	38,520	-	36,360	23,100	-

CARSON RIVER BASIN

East Fork of Carson River near Gardnerville, Nev.

Location.- Staff gage, lat. 38°52'25", long. 119°41'35", in sec. 25, T. 12 N., R. 20 E., 300 feet below Douglas Power Co.'s dam, 1,000 feet above highway bridge, 0.5 mile southwest of Rodenbah ranch, and 5 miles southeast of Gardnerville.

Drainage area.- 381 square miles.

Records available.- April 1890 to December 1893, October 1900 to December 1906, March 1908 to December 1910, June to October 1917, December 1924 to September 1929, October 1935 to September 1936.

Extremes.- Maximum discharge observed during year, 2,290 second-feet Apr. 11 (gage height, 3.05 feet), from rating curve extended above 1,400 second-feet; minimum observed, 23 second-feet Dec. 11.
1890-93, 1900-1906, 1908-10, 1917, 1924-29, 1935-36: Maximum discharge, 5,540 second-feet (estimated) Dec. 25, 1892; minimum, 8 second-feet Dec. 4-10, 19-23, 1904.

Remarks.- Records fair. Staff gage read once daily. Discharge estimated Feb. 22. Station is above all diversions in Carson Valley except Rodenbah pump ditch.

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)

0.1	10	0.8	192	2.0	1,140
.2	28	1.0	291	2.3	1,460
.3	47	1.2	420	2.6	1,790
.4	68	1.4	576	3.0	2,230
.5	92	1.6	752	3.5	2,830
.6	120	1.8	940		

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	53	70	60	49	82	184	197	752	734	576	157	92
2	66	80	55	66	90	201	188	883	752	536	150	95
3	68	66	60	78	60	215	206	1,140	845	511	146	95
4	58	62	60	80	60	233	192	1,240	680	495	146	98
5	58	66	60	75	70	220	197	1,300	780	495	136	109
6	58	75	66	60	70	229	172	1,140	845	480	127	98
7	58	68	60	62	78	224	264	940	1,350	458	117	92
8	58	70	60	60	58	238	309	1,040	960	458	106	87
9	58	70	60	80	64	287	346	1,090	940	420	120	80
10	55	68	64	92	73	322	1,200	1,140	990	420	127	82
11	64	64	62	172	201	303	2,290	1,200	1,040	406	150	87
12	62	62	66	95	206	322	536	1,140	1,140	366	120	90
13	60	60	47	92	133	334	653	1,350	1,140	328	109	92
14	60	60	23	98	153	346	707	1,570	1,120	303	100	95
15	73	66	41	172	133	303	771	1,520	1,040	280	103	85
16	68	64	62	123	133	346	892	1,350	960	264	106	78
17	66	70	68	117	98	379	1,020	1,350	1,040	249	103	75
18	66	62	70	109	120	393	1,060	1,240	1,060	243	100	75
19	66	64	68	106	103	420	1,160	1,140	1,020	238	95	73
20	66	62	38	100	98	435	1,230	1,040	1,060	238	90	70
21	66	62	41	70	393	458	1,470	960	1,120	379	82	68
22	66	70	51	73	1,100	458	1,170	940	1,190	243	73	64
23	60	68	68	70	503	352	1,160	1,090	1,060	224	70	58
24	58	60	68	80	254	303	1,270	1,240	1,000	201	70	58
25	64	60	66	80	220	275	1,200	1,260	960	184	75	55
26	70	58	68	73	172	243	1,070	1,220	921	161	92	55
27	66	58	66	70	172	220	1,030	1,190	808	153	90	55
28	66	66	38	73	172	233	970	1,090	752	150	85	58
29	64	58	80	75	176	249	940	990	698	146	82	58
30	64	55	68	80	-	238	752	902	593	176	90	55
31	58	-	60	70	-	215	-	798	-	161	95	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,943	73	53	62.7	3,850
November	1,944	80	55	64.8	3,860
December	1,824	80	23	58.8	3,620
Calendar year					
January	2,700	172	49	87.1	5,360
February	5,245	1,100	58	181	10,400
March	9,188	458	184	296	18,220
April	24,622	2,290	172	821	48,840
May	35,245	1,570	752	1,137	69,910
June	28,598	1,350	593	953	56,720
July	9,942	576	146	321	19,720
August	3,312	157	70	107	6,570
September	2,332	109	55	77.7	4,630
Water year 1935-36	126,895	2,290	23	347	251,700

Carson River near Fort Churchill, Nev.

Location.- Water-stage recorder, lat. 39°17', long. 119°18', in SE¼ sec. 32, T. 17 N., R. 24 E., 2 miles west of Fort Churchill and 6 miles east of Clifton.

Drainage area.- 1,450 square miles.

Records available.- January 1934 to September 1936. April 1911 to December 1933 at site 8 miles upstream; records practically comparable.

Average discharge.- 25 years (1911-36), 346 second-feet.

Extremes.- Maximum daily discharge during year, 2,040 second-feet Feb. 24; no flow Oct. 1-26, Aug. 1 to Sept. 30.
1911-36: Maximum discharge, 6,150 second-feet Jan. 26, 1914 (gage height, 11.5 feet, former site and datum); no flow during periods in nearly every year since 1923.

Remarks.- Numerous diversions for irrigation above, including diversions for irrigation of 720 acres between present site and the site used prior to Jan. 1, 1934. Practically entire flow is diverted during late irrigation season. Records of daily discharge furnished by Truckee-Carson Irrigation District.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	67	104	161	146	527	320	928	936	502		
2	0	75	104	146	159	478	317	850	905	411		
3	0	94	104	140	180	454	309	889	842	368		
4	0	109	111	144	176	448	298	1,190	951	331		
5	0	117	115	152	154	454	291	1,430	1,080	320		
6	0	117	115	152	159	441	283	1,640	1,030	291		
7	0	102	117	148	154	429	280	1,690	1,010	265		
8	0	100	115	142	157	417	276	1,320	1,260	224		
9	0	113	115	144	159	411	269	1,100	1,390	206		
10	0	120	117	152	157	429	269	1,090	1,170	176		
11	0	127	122	191	159	387	287	1,180	1,030	161		
12	0	131	122	235	239	387	380	1,330	990	152		
13	0	124	129	294	811	362	533	1,300	1,040	157		
14	0	120	133	257	889	387	655	1,330	1,070	150		
15	0	113	131	250	725	387	733	1,580	1,070	131		
16	0	111	120	317	582	368	811	1,690	936	108		
17	0	107	109	298	478	374	936	1,790	827	79		
18	0	113	98	276	448	387	1,040	1,690	811	52		
19	0	120	90	232	350	435	1,180	1,610	858	42		
20	0	120	84	202	320	423	1,270	1,560	889	41		
21	0	113	88	195	294	423	1,320	1,300	928	38		
22	0	109	96	180	749	429	1,390	1,100	912	31		
23	0	111	104	163	1,510	435	1,390	1,060	912	19		
24	0	117	111	159	2,040	454	1,450	1,070	928	18		
25	0	120	120	157	1,200	435	1,460	1,070	1,030	18		
26	0	115	129	157	756	417	1,360	1,200	1,100	12		
27	31	113	124	157	702	399	1,330	1,260	967	7		
28	51	111	127	157	671	368	1,340	1,200	850	4		
29	64	104	136	157	594	350	1,270	1,280	749	3		
30	64	104	143	154	-	335	1,130	1,200	717	3		
31	64	-	170	152	-	328	-	1,010	-	3		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	274	64	0	8.8	543
November	3,317	131	67	111	6,580
December	3,603	170	84	116	7,150
Calendar year 1935	109,015	1,900	0	299	216,200
January	5,821	317	140	188	11,550
February	15,118	2,040	146	521	29,990
March	12,758	527	328	412	25,310
April	24,177	1,460	269	806	47,950
May	39,937	1,790	850	1,288	79,210
June	29,188	1,390	717	973	57,890
July	4,323	502	3	139	8,570
August	0	0	0	0	0
September	0	0	0	0	0
Water year	138,516	2,040	0	378	274,700

Humboldt River at Palisade, Nev.

Location.- Chain gage, lat. 40°35', long. 116°12', in sec. 36, T. 32 N., R. 51 E., at highway bridge at Palisade, 100 feet below Southern Pacific Railroad bridge and 1 mile above mouth of Pine Creek.

Drainage area.- 5,010 square miles.

Records available.- November 1902 to October 1906, July 1911 to September 1936.

Average discharge.- 28 years (1903-6, 1911-36), 331 second-feet.

Extremes.- Maximum discharge observed during year, 2,290 second-feet Apr. 22 (gage height, 6.44 feet); minimum observed, 11 second-feet Nov. 9 (gage height, 1.16 feet).

1902-6, 1911-36: Maximum discharge observed, 4,300 second-feet Mar. 5, 1921 gage height, 6.6 feet); minimum, 2 second-feet Aug. 25-28, 1931.

Remarks.- Records fair. Gage read once daily. Water is diverted for irrigation of about 150,000 acres of hay and pasture land above station.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	18	24	28	43	202	310	1,970	1,150	390	65	20
2	20	16	22	31	43	212	292	1,860	1,290	342	67	22
3	19	18	22	32	46	212	310	1,810	1,890	286	69	29
4	20	16	24	31	49	226	336	1,720	1,750	226	65	28
5	16	14	22	34	53	236	323	1,680	1,480	212	61	29
6	16	14	25	37	53	247	316	1,570	1,890	198	71	28
7	14	12	26	36	51	258	329	1,470	2,040	189	69	28
8	14	13	28	38	46	252	383	1,320	1,860	184	65	27
9	14	11	30	37	48	280	427	1,260	1,750	176	61	25
10	14	12	31	36	49	304	515	1,220	1,540	184	59	27
11	13	13	32	33	52	310	567	1,190	1,400	180	55	25
12	14	13	31	33	57	323	750	1,220	1,290	172	50	26
13	13	16	33	37	88	329	832	1,230	1,270	168	47	27
14	14	14	32	53	154	342	1,040	1,200	1,320	168	45	26
15	16	14	31	82	221	329	1,120	1,190	1,260	160	41	25
16	15	13	30	74	231	323	1,320	1,250	1,150	145	38	26
17	16	14	33	63	239	349	1,390	1,230	1,070	134	39	27
18	17	16	31	65	193	376	1,510	1,220	988	124	36	27
19	16	16	29	63	184	405	1,610	1,250	964	111	35	28
20	18	17	30	59	189	398	1,860	1,260	928	102	33	27
21	18	18	31	55	202	420	2,090	1,290	832	94	32	29
22	19	19	29	52	216	466	2,290	1,270	770	91	31	27
23	18	18	30	48	236	383	2,240	1,260	740	125	28	27
24	20	19	28	47	226	362	2,210	1,230	690	168	27	27
25	18	17	27	50	202	349	2,100	1,220	651	124	25	27
26	18	18	28	52	193	323	2,020	1,190	613	97	22	29
27	19	20	28	54	189	316	1,950	1,130	558	81	22	27
28	19	22	27	55	184	316	2,090	1,100	524	76	22	27
29	20	23	25	52	176	329	2,070	1,060	450	74	20	27
30	19	24	28	47	-	316	2,030	1,020	420	74	20	29
31	20	-	29	44	-	329	-	1,010	-	69	18	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	526	20	13	17.0	1,040
November	488	24	11	16.3	967
December	876	33	22	28.3	1,740
Calendar year 1935	80,498	1,890	11	221	159,700
January	1,458	82	28	47.0	2,890
February	3,913	239	43	135	7,760
March	9,822	466	202	317	19,480
April	36,630	2,290	292	1,220	72,660
May	40,900	1,970	1,010	1,320	81,120
June	34,528	2,040	420	1,150	68,490
July	4,924	390	69	159	9,770
August	1,338	71	18	43.2	2,650
September	803	29	20	27.0	1,590
Water year 1935-36	136,206	2,290	11	372	270,160

Humboldt River near Imlay, Nev.

Location.- Water-stage recorder, lat. 40°41', long. 118°13', in SW¼ sec. 25, T. 33 N., R. 33 E., 600 feet above old Calahan Dam and 4 miles northwest of Imlay.

Drainage area.- 13,500 square miles.

Records available.- June 1935 to September 1936.

Extremes.- Maximum daily discharge during year, 564 second-feet June 4 (gage height, 5.44 feet); no flow Oct. 1 to about Dec. 31.
1935-36: Maximum discharge, that of June 4, 1936; no flow June 1-18, Sept. 17 to about Dec. 31, 1935.

Remarks.- Records good. Discharge estimated Jan. 1 to Mar. 5. Station is immediately above flow line of the Rye Patch Reservoir and about 9 miles below the Humboldt-Lovelock Irrigation Light & Power Co.'s feeder canal. The Humboldt-Lovelock Irrigation Light & Power Co.'s outlet canal discharges into the Rye Patch Reservoir. Flow also affected by numerous irrigation diversions above station. Daily-discharge record furnished by U. S. Bureau of Reclamation. Occasional discharge measurements and computations of monthly discharge by U. S. Geological Survey.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						4	286	263	466	476	117	46
2						4	273	270	495	460	113	44
3						4	263	279	558	462	110	43
4						4	261	272	564	462	104	46
5						4	254	284	543	466	99	48
6						4	251	257	508	452	95	46
7						5	247	273	485	444	92	44
8						5	245	284	466	446	87	42
9						5	244	281	464	440	83	41
10						5	237	288	466	408	82	40
11						5	228	324	483	392	101	39
12						5	225	377	476	362	97	38
13						5	228	452	468	339	88	36
14						5	232	472	472	329	86	35
15						5	225	491	474	316	92	35
16						5	184	506	470	297	81	20
17						10	159	525	468	282	79	11
18						165	153	533	472	267	75	7
19						174	170	514	472	246	69	5
20						187	160	478	470	213	66	4
21						198	147	495	464	186	63	3
22						210	147	476	468	181	61	2
23						220	142	442	470	192	59	2
24						234	143	432	468	181	57	2
25						244	181	434	472	168	54	1
26						251	190	440	452	159	52	1
27						256	187	438	373	149	51	1
28						263	261	462	434	150	50	1
29						273	270	466	512	143	49	1
30						281	259	456	512	133	48	1
31						290	-	412	-	124	48	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year					
January	155	-	-	5	307
February	145	-	-	5	288
March	3,330	290	4	107	6,600
April	6,452	286	142	215	12,800
May	12,376	533	263	399	24,550
June	14,365	564	373	479	28,490
July	9,325	476	124	301	18,500
August	2,408	117	48	77.7	4,780
September	685	48	1	22.8	1,360
Water year 1935-36	49,241	564	0	135	97,670

Rye Patch Reservoir near Rye Patch, Nev.

Location.- Mercury-indicating gage, lat. 40°28'15", long. 118°18'20", in NE¼ sec. 18, T. 30 N., R. 33 E., at control works at left end of Rye Patch Dam, 2 miles northwest of Rye Patch.

Records available.- February to September 1936.

Remarks.- Rye Patch Dam, constructed by the U. S. Bureau of Reclamation and completed in 1936, has an impounding capacity of 179,000 acre-feet. Records furnished by U. S. Bureau of Reclamation.

Contents, in acre-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					-		4,810	5,160	4,010	10,980	15,520	9,810
2					-	365	5,110	5,130	3,980	11,460	15,130	9,810
3					-	391	5,390	5,080	4,010	11,830	14,920	9,780
4					-	398	5,710	5,020	4,360	12,200	14,870	9,790
5					-	402	6,340	4,760	4,620	12,620	14,500	9,780
6					-	406	6,670	4,530	4,830	13,040	14,310	9,790
7					-	412	6,850	4,480	5,000	13,500	14,110	9,780
8					-	416	7,120	4,480	5,110	13,900	13,920	9,730
9					-	418	7,240	4,470	5,170	14,340	13,600	9,700
10					-	420	7,400	4,460	5,230	14,760	13,460	9,740
11					-	423	7,480	4,330	5,260	15,280	13,100	9,780
12					-	424	7,600	4,310	5,400	15,520	12,960	9,840
13					-	429	7,640	4,070	5,540	15,840	12,740	9,880
14					-	435	7,680	4,060	5,750	16,060	12,590	9,900
15					-	436	7,720	4,100	5,960	16,330	12,340	9,950
16					-	441	7,760	4,180	6,200	16,550	12,120	9,960
17					-	440	7,740	4,270	6,340	16,750	11,910	10,010
18					-	446	7,680	4,370	6,640	16,860	11,760	10,010
19					-	478	7,650	4,540	6,860	16,950	11,540	10,010
20					289	808	7,500	4,650	7,150	17,020	11,400	10,010
21					-	1,120	7,480	4,760	7,470	16,990	11,150	10,000
22					304	1,470	7,320	4,850	7,780	17,010	10,930	10,000
23					-	1,770	7,040	4,890	8,110	16,970	10,780	9,980
24					314	2,120	6,800	4,900	8,500	16,730	10,660	9,940
25					320	2,470	6,550	4,900	8,820	16,700	10,510	9,940
26					336	2,810	6,210	4,680	9,180	16,510	10,410	9,920
27					352	3,180	6,060	4,450	9,460	16,400	10,260	9,830
28					364	3,510	5,860	4,300	9,720	16,300	10,120	9,830
29					373	3,810	5,630	4,190	9,990	16,200	9,990	9,800
30					-	4,370	5,460	4,140	10,540	16,000	9,890	9,790
31					-	4,540	-	4,090	-	15,760	9,890	-

Humboldt River near Rye Patch, Nev.

Location.- Water-stage recorder, lat. 40°27'25", long. 118°18'20", in NE¼NE¼ sec. 19, T. 30 N., R. 33 E., 5,000 feet below Rye Patch Dam and 1 mile northwest of Rye Patch.

Drainage area.- 13,700 square miles.

Records available.- October 1935 to September 1936 at present site. January 1896 to December 1909, September 1910 to September 1922, September 1924 to September 1932 (fragmentary) near Oreana, 7 miles downstream; records practically comparable.

Average discharge.- 24 years (1899-1909, 1910-16, 1917-22, 1930-32, 1935-36), 217 second-feet.

Extremes.- Maximum daily discharge during year, 477 second-feet May 26; no flow Oct. 1 to Mar. 29, Sept. 10-30.
1896-1922, 1924-32, 1935-36: Maximum discharge, 3,050 second-feet May 12, 1897 (gage height, 12.0 feet, former site); no flow during periods in 1905, 1915, 1918-20, 1931, 1932, 1935, 1936.

Remarks.- Records good. Discharge computed from gate openings at dam Aug. 1 to Sept. 9. Flow completely regulated by Rye Patch Reservoir (capacity, 179,000 acre-feet), 5,000 feet upstream, also affected by many irrigation diversions and storage in Taylor-Pitt Reservoirs above station. Records furnished by U. S. Bureau of Reclamation.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						0	70	392	465	214	282	66
2						0	73	392	451	216	273	73
3						0	75	390	424	211	260	82
4						0	76	395	409	191	234	73
5						0	78	392	415	193	223	65
6						0	79	353	418	191	222	65
7						0	80	319	424	200	222	57
8						0	94	319	427	196	222	38
9						0	124	329	430	182	221	15
10						0	127	367	430	193	220	0
11						0	128	365	409	182	220	0
12						0	159	369	383	161	210	0
13						0	191	397	367	153	195	0
14						0	191	434	349	149	195	0
15						0	191	434	353	136	189	0
16						0	192	421	355	136	182	0
17						0	191	400	339	153	182	0
18						0	191	392	327	184	172	0
19						0	189	383	331	185	156	0
20						0	187	387	325	185	156	0
21						0	264	387	311	187	155	0
22						0	345	387	297	185	146	0
23						0	345	387	286	187	132	0
24						0	343	387	290	187	132	0
25						0	343	421	293	189	132	0
26						0	341	477	295	189	131	0
27						0	339	473	279	216	131	0
28						0	357	473	250	250	115	0
29						0	392	469	229	284	99	0
30						35	392	469	205	309	68	0
31						68	-	465	-	311	77	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year					
January	0	0	0	0	0
February	0	0	0	0	0
March	103	68	0	3.3	204
April	6,147	392	70	205	12,190
May	12,425	477	319	401	24,640
June	10,566	465	205	352	20,960
July	6,105	311	136	197	12,110
August	5,574	282	77	180	11,060
September	534	82	0	17.8	1,060
Water year 1935-36	41,454	477	0	113	82,220

Martin Creek near Paradise Valley, Nev.

Location.- Water-stage recorder, lat. 41°32', long. 117°26', in SE¼NE¼ sec. 11, T. 42 N., R. 40 E., 1⅛ miles above Silver State flour mill and 8 miles northeast of Paradise Valley.

Records available.- October 1921 to September 1936.

Average discharge.- 14 years (1921-26, 1927-36), 23.0 second-feet.

Extremes.- Maximum discharge during year, 200 second-feet Apr. 23 (gage height, 6.93 feet); minimum not recorded.
1921-36: Maximum discharge, about 1,000 second-feet Feb. 21 or 22, 1927 (gage height, about 12 feet), from rating curve extended above 200 second-feet; minimum, 2 second-feet Sept. 1-9, 1928.

Remarks.- Records fair. Discharge for Oct. 1-5, Nov. 19-30, Dec. 2 to Mar. 19, May 7-9, June 2, 3 estimated. No diversions above gage.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	6	5				18	101	83	12	5	5
2	5	6					20	106	75	11	5	5
3	5	6					22	113	65	11	5	5
4	5	5					22	122	63	10	5	5
5	5	5					16	124	52	9	5	6
6	5	6					20	110	50	8	5	6
7	5	6					39	95	59	9	5	6
8	5	6					67	85	50	11	5	6
9	5	6					76	90	49	10	5	5
10	5	6				25	102	93	44	9	5	5
11	5	6					137	101	39	9	5	5
12	5	6					152	106	37	9	5	5
13	5	6					163	116	38	8	5	5
14	5	6					168	124	36	7	5	6
15	5	6					171	126	34	7	5	6
16	5	6					175	115	31	7	5	6
17	5	6					178	106	28	6	5	6
18	5	6					178	94	26	6	5	6
19	5	6					176	92	24	6	5	6
20	5	6				93	167	87	22	6	5	6
21	5	6				116	170	77	22	6	5	5
22	5	6				86	183	64	20	7	5	5
23	6	6				65	183	59	20	6	5	5
24	6	6				52	175	53	20	6	5	5
25	6	5				34	152	55	18	5	5	5
26	6	5				26	145	57	18	5	5	6
27	6	5				27	138	58	15	5	5	6
28	6	5				25	130	57	14	5	5	6
29	6	5				24	120	55	14	5	5	6
30	6	5				23	106	50	13	5	5	6
31	6	-				24	-	50	-	5	5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	164	6	5	5.3	325
November	172	6	5	5.7	341
December	186	-	-	6	369
Calendar year 1935	10,734	202	-	29.4	21,300
January	217	-	-	7	430
February	290	-	-	10	575
March	1,070	116	-	34.5	2,120
April	3,569	183	16	119	7,080
May	2,741	126	50	88.4	5,440
June	1,079	83	13	36.0	2,140
July	231	12	5	7.5	458
August	155	6	6	5.0	307
September	163	6	5	5.5	329
Water year 1935-36	10,040	183	-	27.4	19,910

Humboldt-Lovelock Irrigation, Light & Power Co.'s outlet canal near Humboldt, Nev.

Location.- Water-stage recorder and weir, lat. 40°36'25", long. 118°18'20", in SE¼ sec. 30, T. 32 N., R. 33 E., at outlet of lower Taylor-Pitt Reservoir, 2½ miles west of Humboldt. Prior to April 1936 staff gage at same site and datum.

Records available.- February 1914 to September 1920, October 1921 to September 1936.

Average discharge.- 21 years, 12.7 second-feet.

Remarks.- Records good. Flow regulated by reservoir outlet gates a few hundred feet upstream. Canal conducts stored water released from Taylor-Pitt Reservoirs to Humboldt River in SW¼ sec. 31, T. 32 N., R. 33 E., for irrigation in Lovelock Valley, several miles downstream. Records of daily discharge furnished by Humboldt River water commissioner.

Discharge, in second-feet, 1934-36

Day	1934					1936						
				Apr.			Apr.	May	June	July	Aug.	Sept.
1				0			0	80	0	18	60	19
2				0			0	80	0	18	55	32
3				0			0	80	0	9	55	37
4				0			0	80	0	0	47	30
5				0			0	75	0	0	38	19
6				0			0	52	0	0	38	19
7				0			0	47	0	10	38	19
8				0			0	47	0	18	38	20
9				0			0	61	8	18	38	19
10				0			0	76	14	18	38	9
11				0			0	75	0	7	38	0
12				0			0	64	0	0	30	0
13				0			0	47	0	0	13	0
14				0			0	47	0	0	11	0
15				0			0	47	0	0	5	0
16				0			0	33	0	0	0	0
17				0			0	18	0	0	15	0
18				37			0	9	0	0	11	0
19				98			0	0	0	0	0	0
20				98			0	0	12	0	0	0
21				98			94	0	18	0	14	0
22				96			125	0	18	0	19	0
23				98			125	0	18	0	19	0
24				96			108	0	18	0	19	0
25				98			80	0	19	0	19	0
26				65			80	0	13	0	19	0
27				0			80	0	0	41	19	0
28				0			80	0	0	55	19	0
29				0			80	0	0	69	18	0
30				0			80	0	9	73	18	0
31				-			-	0	-	73	19	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
April 1934	784	98	0	26.1	1,560
Water year 1933-34	784	98	0	2.1	1,560
April 1936	932	125	0	31.1	1,850
May	1,018	80	0	32.8	2,020
June	147	19	0	4.9	292
July	427	73	0	13.8	847
August	770	60	0	24.8	1,530
September	223	37	0	7.4	442
Water year 1935-36	3,517	125	0	9.6	6,980

Note.- No flow October, 1933, to March 1936 except Apr. 18-26, 1934.

Pyramid Lake near Nixon, Nev.

Location.- Elevations since 1904 determined by spirit leveling (lat. 39°50'30", long. 119°27'30"); at south end of lake adjacent to General Land Office benchmark 1, which is top of iron post in forks of road about 900 feet north of the quarter corner of secs. 29 and 30, T. 23 N., R. 23 E., and 4½ miles west of Pyramid Lake Sanatorium, at Nixon. Elevation of benchmark 1 is 3,882.258 feet above mean sea level, based on adjustments of 1912 of elevations of benchmarks along precise level lines of the U. S. Coast and Geodetic Survey. Location of observations prior to 1904 unknown.

Records available.- Occasional elevations 1926 to September 1936. Elevations taken in occasional years 1867 to 1925.

Remarks.- Records furnished by U. S. Indian Service.

Elevation, in feet, above mean sea level, water year 1935-36

Oct. 21	3,821.0	Apr. 24	3,819.6
Nov. 22	3,820.35	May 23	3,819.95
Dec. 23	3,819.9	June 3	3,820.4
Jan. 20	3,819.85	July 20	3,819.9
Feb. 24	3,819.6	Aug. 18	3,819.65
Mar. 19	3,819.55	Sept. 21	3,818.9

Lake Tahoe at Tahoe, Calif.

Location.- Staff gage, lat. 39°9'55", long. 120°8'25", in NW¼ sec. 7, T. 15 N., R. 17 E., near outlet of lake at Tahoe. Zero of gage is 8,219.01 feet above mean sea level on basis general adjustment of 1929 of U. S. Coast and Geodetic Survey level net; rim of lake (natural control of outlet) is 6,222.01 feet above mean sea level; sill of outlet gates is 6,218.01 feet above mean sea level.

Drainage area.- 519 square miles (including water surface of lake, which is 193 square miles).

Records available.- 1900 to September 1936.

Extremes.- Maximum stage during year, 5.90 feet July 2-7; minimum, 2.22 feet Dec. 11, 25, 26.

1900-1936: Maximum stage, 11.26 feet July 14, 15, 17, 18, 1907; minimum, 1.74 feet Dec. 26, 1934.

Remarks.- Gage read to hundredths once daily. Records furnished by Truckee-Carson Irrigation District.

Gage height, in feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.91	2.44	2.28	2.31	2.91	3.78	3.95	4.50	5.24	5.89	5.74	5.18
2	2.91	2.49	2.27	2.34	2.98	3.78	3.95	4.52	5.26	5.90	5.72	5.15
3	2.90	2.51	2.26	2.36	3.00	3.77	3.96	4.54	5.29	5.90	5.70	5.12
4	2.89	2.50	2.25	2.36	3.00	3.77	3.98	4.56	5.33	5.90	5.68	5.13
5	2.88	2.48	2.25	2.37	2.99	3.78	3.98	4.57	5.35	5.90	5.66	5.15
6	2.86	2.46	2.25	2.37	2.99	3.79	3.98	4.58	5.36	5.90	5.65	5.13
7	2.85	2.45	2.24	2.36	2.99	3.80	3.99	4.60	5.41	5.90	5.63	5.11
8	2.83	2.46	2.24	2.36	2.98	3.80	3.99	4.62	5.45	5.89	5.61	5.10
9	2.82	2.45	2.23	2.47	2.98	3.80	4.00	4.65	5.48	5.89	5.59	5.10
10	2.81	2.43	2.23	2.55	2.97	3.80	4.00	4.68	5.51	5.89	5.58	5.08
11	2.80	2.42	2.22	2.65	3.00	3.81	4.01	4.72	5.53	5.89	5.57	5.07
12	2.80	2.41	2.29	2.66	3.12	3.81	4.02	4.76	5.55	5.89	5.56	5.05
13	2.78	2.39	2.30	2.67	3.22	3.81	4.03	4.79	5.58	5.89	5.56	5.01
14	2.76	2.37	2.29	2.74	3.29	3.81	4.04	4.83	5.60	5.89	5.55	4.97
15	2.78	2.36	2.28	2.79	3.30	3.81	4.06	4.86	5.62	5.88	5.50	4.94
16	2.77	2.35	2.28	2.84	3.33	3.81	4.08	4.89	5.64	5.88	5.51	4.92
17	2.75	2.36	2.27	2.86	3.35	3.81	4.11	4.93	5.64	5.87	5.49	4.90
18	2.73	2.35	2.26	2.87	3.35	3.82	4.14	4.97	5.67	5.87	5.47	4.89
19	2.71	2.34	2.24	2.87	3.36	3.82	4.17	4.99	5.69	5.86	5.44	4.88
20	2.69	2.34	2.23	2.86	3.38	3.83	4.21	5.00	5.71	5.85	5.41	4.88
21	2.67	2.33	2.23	2.86	3.41	3.83	4.25	5.02	5.73	5.85	5.38	4.87
22	2.65	2.33	2.23	2.86	3.51	3.84	4.28	5.03	5.76	5.84	5.36	4.87
23	2.60	2.33	2.23	2.86	3.64	3.84	4.31	5.05	5.79	5.84	5.33	4.86
24	2.57	2.33	2.23	2.86	3.70	3.86	4.34	5.08	5.81	5.84	5.30	4.84
25	2.56	2.32	2.22	2.86	3.75	3.86	4.37	5.11	5.84	5.83	5.28	4.83
26	2.55	2.32	2.22	2.87	3.77	3.85	4.40	5.14	5.86	5.81	5.26	4.80
27	2.54	2.31	2.24	2.87	3.78	3.85	4.42	5.17	5.87	5.79	5.24	4.76
28	2.53	2.30	2.24	2.88	3.78	3.85	4.44	5.19	5.88	5.78	5.22	4.74
29	2.50	2.29	2.30	2.86	3.78	3.88	4.46	5.20	5.88	5.77	5.21	4.73
30	2.48	2.28	2.30	2.87	-	3.89	4.48	5.21	5.88	5.76	5.21	4.72
31	2.46	-	2.31	2.87	-	3.94	-	5.22	-	5.75	5.20	-

Truckee River at Tahoe, Calif.

Location.- Staff gage, lat. 39°9'55", long. 120°8'45", in NW¼ sec. 7, T. 15 N., R. 17 E., at Tahoe, just below dam at outlet of Lake Tahoe. Altitude, about 6,200 feet.

Drainage area.- 519 square miles.

Records available.- July 1895 to February 1896, June 1900 to September 1936.

Average discharge.- 36 years (1900-1936), 247 second-feet.

Extremes.- Maximum daily discharge during year, 471 second-feet Aug. 6-10; no flow several months.
1895-96, 1900-1936: Maximum daily discharge, 1,340 second-feet July 13-20, 1907; no flow during parts of 1900, 1901, 1914, 1918-36.

Remarks.- Flow regulated by operation of gates in dam at Lake Tahoe and occasionally by pumping from the lake. Daily-discharge record furnished by Truckee-Carson Irrigation District.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0	52				18	430	392
2					0	52				44	443	381
3					0	50				46	448	369
4					0	50				62	453	373
5					0	52				89	461	381
6					0	53				131	471	373
7					0	54				163	471	365
8					0	54				189	471	361
9					0	54				215	471	361
10					0	38				236	471	354
11					0	0				277	465	350
12					3	0				301	451	343
13					6	0				313	441	329
14					9	0				319	441	315
15					9	0				322	441	305
16					11	0				322	441	299
17					12	0				322	447	292
18					12	0				322	457	289
19					13	0				330	461	286
20					14	0				336	461	286
21					16	0				336	451	283
22					15	0				336	449	283
23					0	0				340	443	280
24					0	0				350	439	273
25					0	0				350	431	270
26					0	0				357	423	261
27					0	0				371	416	249
28					0	0				381	408	244
29					14	0				397	404	241
30					-	0				402	404	238
31					-	0				411	400	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	1,999	50	0	5.48	3,960
January	0	0	0	0	0
February	134	16	0	4.62	266
March	509	54	0	16.4	1,010
April	0	0	0	0	0
May	0	0	0	0	0
June	0	0	0	0	0
July	8,388	411	18	271	16,640
August	13,764	471	400	444	27,300
September	9,426	392	238	314	18,700
Water year 1935-36	32,221	471	0	88.0	63,920

Truckee River at Iceland, Calif.

Location.- Water-stage recorder, lat. 39°22'35", long. 120°1'35", in SW¼ sec. 31, T. 18 N., R. 18 E., above dam of National Ice Co. at Iceland. Altitude, about 5,420 feet.

Drainage area.- 937 square miles.

Records available.- August 1912 to September 1936. September 1899 to August 1912 at Nevada-California State line, 3 miles downstream.

Average discharge.- 24 years (1912-36), 630 second-feet.

Extremes.- Maximum daily discharge during year, 3,314 second-feet Apr. 18; minimum, 51 second-feet Oct. 9.
1899-1936: Maximum daily discharge, 15,300 second-feet Mar. 18, 1907 (gage height, 11.5 feet); minimum, 28 second-feet Dec. 18, 1930.

Remarks.- Flow regulated by operation of gates in dam at Lake Tahoe. Daily-discharge record furnished by Truckee-Carson Irrigation District.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	58	64	69	112	164	373	673	1,695	993	514	489	428
2	67	90	67	112	137	368	660	2,199	845	564	496	422
3	58	93	73	121	143	378	687	2,524	896	552	489	422
4	56	85	78	150	178	394	647	2,760	830	514	483	428
5	52	85	71	137	160	421	584	2,714	825	520	489	434
6	52	85	71	121	238	427	609	2,178	1,130	520	508	428
7	52	112	73	99	186	437	741	1,978	2,272	514	508	416
8	52	104	73	112	186	488	965	1,978	1,663	520	514	410
9	51	107	69	124	201	584	1,140	2,136	1,176	501	520	410
10	78	104	71	182	197	673	1,364	2,283	1,143	508	527	398
11	112	99	73	477	209	622	1,755	2,377	1,279	520	527	392
12	124	90	118	283	251	680	2,140	2,388	1,461	526	508	381
13	121	78	164	260	274	803	2,476	2,557	1,350	539	502	369
14	121	69	160	251	322	825	2,693	2,760	1,218	539	489	357
15	134	78	160	680	322	883	2,852	2,451	1,111	539	483	357
16	93	78	137	584	265	927	3,201	2,241	1,055	545	483	352
17	78	90	73	342	197	1,059	3,251	2,199	1,095	539	477	346
18	76	78	78	279	171	1,132	3,314	2,083	1,185	514	483	341
19	76	71	78	279	171	1,220	3,138	2,031	1,071	520	489	341
20	73	69	88	226	182	1,346	3,001	1,663	1,135	526	489	341
21	73	78	93	209	322	1,549	3,076	1,404	1,079	520	483	346
22	69	68	99	194	1,099	1,483	3,201	1,510	1,063	514	477	341
23	67	85	99	186	720	1,182	3,226	1,461	1,079	508	471	335
24	69	83	99	186	541	1,020	2,976	1,653	1,063	508	465	330
25	69	78	99	182	399	897	2,632	1,842	986	508	459	330
26	69	71	101	160	399	818	2,512	1,779	910	501	459	341
27	69	71	96	197	373	840	2,405	1,684	697	501	453	302
28	69	73	93	197	383	882	2,243	1,716	670	501	447	302
29	71	71	99	157	352	870	2,029	1,368	552	508	447	319
30	71	62	109	146	-	790	1,685	1,152	514	508	440	313
31	67	-	112	150	-	713	-	1,047	-	508	434	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,347	134	51	75.7	4,660
November	2,489	112	62	83.0	4,940
December	2,943	164	67	94.9	5,840
Calendar year 1935	185,563	2,640	49	508	368,100
January	6,895	680	99	222	13,680
February	8,742	1,099	137	301	17,340
March	25,084	1,549	368	809	49,750
April	61,876	3,314	584	2,063	122,700
May	61,811	2,760	1,047	1,994	122,600
June	32,346	2,272	514	1,078	64,160
July	16,119	564	501	520	31,970
August	14,988	527	434	483	29,730
September	11,032	434	302	368	21,880
Water year 1935-36	246,672	3,314	51	674	489,200

Donner Creek near Truckee, Calif.

Location.- Water-stage recorder, lat. 39°19'15", long. 120°12'10", in SE¼ sec. 16, T. 17 N., R. 16 E., 1 mile below Cold Creek and 1½ miles southwest of Truckee. Altitude, about 5,800 feet.

Drainage area.- 30 square miles.

Records available.- October 1902 to September 1915, April 1928 to September 1936.

Extremes.- Maximum daily discharge during year, 653 second-feet June 7; minimum daily discharge observed, 3 second-feet Oct. 1-13, 17-29.
1902-15, 1928-36: Maximum discharge, 980 second-feet Mar. 18, 1907 (gage height, 5.5 feet, former datum); minimum, less than 1 second-foot during many summers.

Remarks.- No records Oct. 30 to Dec. 31. No diversions. Flow is partly controlled by outlet gates at Donner Lake. Daily-discharge record furnished by Truckee-Carson Irrigation District.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3			5	32	20	129	230	235	93	7	4
2	3			5	65	23	127	269	104	101	7	4
3	3			5	40	26	127	316	95	82	7	4
4	3			9	39	25	126	344	94	85	7	5
5	3			6	36	23	124	384	105	57	6	5
6	3			5	39	23	122	357	199	54	6	5
7	3			5	44	25	121	384	653	49	6	4
8	3			5	36	29	120	394	370	44	6	4
9	3			6	39	33	133	408	145	38	6	4
10	3			12	39	32	147	404	170	33	6	4
11	3			43	54	33	166	391	251	30	6	4
12	3			34	70	40	189	404	278	30	7	4
13	3			13	47	50	212	421	301	29	6	4
14	5			45	41	52	235	452	290	26	6	4
15	5			96	41	53	262	425	253	24	6	4
16	5			72	38	58	275	409	200	23	5	4
17	3			48	32	62	291	452	172	21	5	4
18	3			49	29	66	327	460	160	16	5	4
19	3			25	29	147	371	442	160	16	5	4
20	3			22	36	226	380	332	200	16	5	4
21	3			38	53	219	425	266	196	15	5	4
22	3			43	91	216	448	275	196	13	5	4
23	3			34	53	210	480	290	203	12	5	4
24	3			29	36	206	460	320	196	12	5	4
25	3			18	25	201	442	344	172	11	5	4
26	3			16	30	197	435	319	136	10	5	4
27	3			16	25	192	388	322	103	8	5	4
28	3			19	22	152	341	329	84	8	5	4
29	3			23	20	134	287	320	77	7	5	4
30	-			32	-	132	253	293	75	7	5	4
31	-			31	-	132	-	284	-	7	4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October 1-29	93	5	3	3.2	184
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	809	96	5	26.1	1,600
February	1,181	91	20	40.7	2,340
March	3,037	226	20	98.0	6,020
April	7,943	480	120	265	15,750
May	11,040	460	230	356	21,900
June	5,913	653	75	197	11,730
July	957	101	7	30.9	1,900
August	174	7	4	5.6	345
September	123	5	4	4.1	244
Water year					

Deep Creek above Adel, Oreg.

Location.- Water-stage recorder, lat. 42°11', long. 119°59', in E½ sec. 15, T. 39 S., R. 23 E., a third of a mile below Drake Creek and 5 miles west of Adel.

Records available.- September 1922 to September 1923, October 1932 to September 1936 in reports of U. S. Geological Survey; September 1922 to September 1923, October 1929 to September 1930 in reports of State engineer.

Extremes.- Maximum discharge during year, 1,140 second-feet Apr. 17 (gage height, 4.61 feet); minimum, 3.2 second-feet Nov. 3 (gage height, 0.35 foot).
1922-23, 1932-36: Maximum discharge, 1,620 second-feet Apr. 16, 1935 (gage height, 5.26 feet); minimum, 1.7 second-feet July 20, 27-29, 1934.
Maximum discharge known, 4,950 second-feet Mar. 2, 1910, observed at station 5 miles downstream at Adel.

Remarks.- Records good except those for period of ice effect, Dec. 16-25, Jan. 17-18, 22-24, Jan. 29 to Feb. 4, Feb. 8-26, which were estimated on basis of 2 discharge measurements, weather records, and records for station on Chewaucan River near Paisley and are poor. Diversions for irrigation above station.

Rating tables, water year 1935-36 except periods of ice effect
(gage height, in feet, and discharge, in second-feet)

Oct. 1 to Apr. 16				Apr. 17 to Sept. 30			
0.4	4.5	2.0	183	0.4	4.5	2.0	163
.6	12	2.5	300	.6	11	2.5	276
.8	23	3.0	445	.8	20	3.0	422
1.0	37	3.5	630	1.0	33	3.5	600
1.2	56	4.0	860	1.2	52	4.0	820
1.5	95	4.5	1,130	1.5	86	4.6	1,140
1.7	126			1.7	113		

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	14	11	12	16	45	84	490	183	25	8	7
2	9	10	12	11	16	56	89	508	163	24	8	9
3	9	8	12	11	16	72	87	525	149	22	7	9
4	9	10	12	12	16	88	81	560	156	21	7	9
5	9	14	12	11	16	107	77	620	150	20	8	9
6	9	16	14	11	15	115	121	542	143	19	8	9
7	9	17	15	11	14	121	268	422	173	18	7	9
8	9	17	16	11		167	345	400	198	18	8	8
9	9	18	14	12		222	401	403	171	18	8	8
10	9	18	15	12		222	532	419	142	19	8	8
11	10	16	16	16		231	670	438	124	19	9	8
12	12	15	19	15		308	810	435	116	18	9	8
13	14	16	15	16		305	885	455	109	16	9	9
14	12	14	14	19		231	910	508	107	15	8	9
15	12	16	12	19		226	935	508	102	14	7	9
16	14	16	11	18		300	985	438	98	13	7	9
17	14	17	11	16	25	380	1,020	384	90	13	7	9
18	13	16	11	15		320	995	348	82	12	7	9
19	12	14	12	16		315	970	322	76	12	7	9
20	12	13	13	19		392	920	292	71	11	7	9
21	12	15	12	19		417	895	264	64	11	7	9
22	12	16	11	16		250	895	239	60	11	7	9
23	11	15	11	15		200	995	220	54	11	7	8
24	11	14	13	16		198	995	209	52	11	7	8
25	12	14	17	16		167	795	204	48	10	7	8
26	12	15	19	16		115	702	206	38	10	7	8
27	13	13	16	16	44	118	660	204	32	9	7	8
28	13	12	14	16	42	85	820	200	31	8	7	9
29	14	15	13	16	42	88	660	218	30	8	7	10
30	12	14	12	16		101	542	266	28	8	7	10
31	13	-	12	16	-	84	-	226	-	8	7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	349	14	8	11.3	692
November	438	18	8	14.6	869
December	417	19	11	13.5	827
Calendar year 1935	42,813	1,420	6	117	84,910
January	461	19	11	14.9	914
February	712	-	-	24.6	1,410
March	6,046	417	45	195	11,990
April	19,144	1,020	77	638	37,970
May	11,472	620	200	370	22,760
June	3,040	198	28	101	6,030
July	452	25	8	14.6	897
August	231	9	7	7.5	458
September	260	10	7	8.7	516
Water year 1935-36	43,022	1,020	7	118	85,320

Chewaucan River above Conn Ditch, near Paisley, Oreg.

Location.- Water-stage recorder, lat. 42°41', long. 120°35', in SW¼ sec. 27, T. 33 S., R. 18 E., at bridge 20 feet below power plant of R. R. Severin, 700 feet above diversion dam of Conn Ditch, a quarter of a mile below mouth of Mill Creek, and 2½ miles west of Paisley.

Drainage area.- 266 square miles.

Records available.- April to September 1912, May 1924 to September 1936. Records at stations giving practically same yearly run-off are available at former site 2 miles downstream, below Conn Ditch, January 1905 to December 1907, January 1909 to April 1912 and at site 0.5 mile upstream from present site, above Mill Creek, November 1912 to September 1921.

Average discharge.- 26 years (1905-7, 1909-21, 1924-36), 130 second-feet.

Extremes.- Maximum discharge during year, 923 second-feet Apr. 24 (gage height, 4.04 feet); minimum, 0.7 second-foot Aug. 18, 22 (gage height, 0.94 foot).
1905-7, 1909-21, 1924-35: Maximum discharge (estimated), 4,000 second-feet Nov. 23, 1909 (gage height, 9.40 feet, former site and datum); frozen dry part of Dec. 7, 1927, Dec. 12, 1932; minimum daily discharge not determined.

Remarks.- Records good except those estimated for period of ice effect or missing gage height record, which are poor. Low-water flow partly regulated by power plant above station. About 160 acres irrigated above station.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19		24		*41	74	81	552	288	62	25	27
2	20		24		*40	97	86	591	267	58	27	30
3	23		26		*39	110	79	596	245	54	25	34
4	23			*29	*39	114	81	647	281	52	25	32
5	23				40	127	71	725	258	52	24	31
6	23				42	135	90	608	274	48	24	30
7	23	*21			41	127	149	580	292	45	24	29
8	22			31	42	157	199	580	302	44	23	28
9	22			31	37	199	227	596	267	45	22	26
10	22			34	38	165	295	641	224	46	23	24
11	23			*70	40	160	377	683	202	46	27	25
12	30		*24	88	46	193	460	719	193	44	30	25
13	31			59	48	185	536	731	185	42	29	28
14	28	22		52	*50	152	569	749	176	42	24	30
15	32	*24		73	*55	165	613	737	171	39	22	31
16	31	*26		63	60	182	683	647	168	37	19	31
17	30	*27		*55	56	214	725	596	147	35	18	30
18	29	*27		*51	52	205	737	547	139	34	19	30
19	27	26		*50	51	202	713	525	132	33	18	30
20	25	*25		*51	50	248	707	474	118	32	18	30
21	24	*25	20	*49	*49	264	707	431	110	30	18	29
22	24	*25		46	*48	188	762	390	101	34	18	27
23	19	*25		48	*47	157	818	369	92	41	17	26
24	20	*24			*46	132	874	365	88	35	17	27
25	24	23			*47	114	790	365	84	31	19	26
26	24	*23	*23		67	97	769	373	76	30	20	25
27	24	*23		*48	68	107	719	373	71	30	21	27
28	24	23			66	110	695	369	67	28	21	27
29	26	*23			55	110	641	373	67	29	20	27
30	22	*23			-	90	580	390	63	28	20	27
31	19	-			-	81	-	329	-	26	24	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	756	32	19	24.4	1,500
November	687	-	-	22.9	1,360
December	732	-	-	23.6	1,450
Calendar year 1935	37,776	560	-	103	74,930
January	1,438	88	-	46.4	2,850
February	1,408	68	37	48.6	2,790
March	4,661	264	74	150	9,240
April	14,833	874	71	494	29,420
May	16,651	749	329	537	33,030
June	5,148	302	63	172	10,210
July	1,233	62	26	39.8	2,450
August	681	30	17	22.0	1,350
September	849	34	24	28.3	1,680
Water year 1935-36	49,077	874	-	134	97,330

*Estimated on basis of 2 discharge measurements, weather records, and records for station on Deep Creek above Adel.

Silver Creek near Silver Lake, Oreg.

Location.- Water-stage recorder, lat. 43°7', long. 121°4', in SW¼ sec. 28, T. 28 S., R. 14 E., 1½ miles below diversion dam of Silver Lake Irrigation District, 1½ miles southwest of Silver Lake post office, and 3 miles above mouth of Bridge Creek. Zero of gage is 4,361.28 feet above mean sea level.

Drainage area.- 221 square miles.

Records available.- December 1904 to March 1907, January 1909 to September 1936.

Average discharge.- 26 years (1905-6, 1909-27, 1929-36), including Silver Lake Irrigation District Canal, 28.5 second-feet.

Extremes.- Maximum discharge during year, 42 second-feet Apr. 13; maximum gage height, 2.58 feet July 8; minimum discharge observed, 1.0 second-foot Jan. 22, Feb. 5 (field estimates), and at times in September.
1904-7, 1909-36: Maximum discharge, 1,800 second-feet Mar. 20, 1907 (gage height, 9.08 feet, former datum); no flow at times, 1931, 1932, 1934.

Remarks.- Records good except those for period of ice effect, Nov. 3, Nov. 29 to Dec. 8, Dec. 13 to Mar. 2, Mar. 31 to Apr. 8, which are poor, and were estimated on basis of gage heights, five discharge measurements, and weather records. Silver Lake Irrigation District Canal diverts water above gage during irrigation season. Diversion dam 1½ miles above gage impounds about 800 acre-feet; also storage in Thompson Valley Reservoir, 10 miles south.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.7	1.8	1.8		1.0	2.3	1.1	30	24	35	1.7	1.4
2	1.7	1.7	1.8		1.0	2.3	1.1	30	25	36	1.4	1.4
3	1.7	1.8	1.9		1.0	2.3	1.2	30	24	36	2.3	1.6
4	1.7	3.0	1.9		1.0	2.3	1.3	30	24	33	2.2	1.6
5	1.7	3.6	1.9		1.0	2.2	1.4	31	24	35	2.0	1.6
6	1.6	3.6	2.0			2.4	2.0	30	25	35	1.8	1.4
7	1.6	3.6	2.0			2.8	3.0	27	24	35	1.6	1.1
8	1.6	3.3	2.5			3.0	5.0	28	22	30	1.7	1.1
9	1.6	2.6	3.6			3.0	8.2	30	22	20	1.6	1.2
10	1.6	2.8	3.6			3.3	11	30	21	20	1.6	1.2
11	1.4	2.3	2.8			3.6	19	30	19	23	1.6	1.2
12	1.4	1.7	2.2			3.6	28	31	22	18	1.6	1.2
13	1.4	1.6	1.9			3.3	39	32	25	16	1.4	1.2
14	1.4	1.7	1.8			2.6	38	36	26	16	1.4	1.2
15	1.4	1.7	1.7			2.6	37	34	26	16	1.4	1.2
16	1.6	1.7				2.6	36	33	24	16	1.2	1.2
17	1.6	1.7			1.5	2.6	36	30	22	16	1.2	1.2
18	1.6	1.7				2.8	33	27	24	15	1.4	1.2
19	1.8	1.7				2.8	30	24	25	13	1.4	1.1
20	1.8	1.7				3.0	26	23	24	7.8	1.4	1.1
21	1.8	1.7				4.2	22	22	25	6.6	1.4	1.0
22	1.7	1.6		1.0		4.8	24	22	27	7.0	1.4	1.0
23	1.8	1.6	1.8			4.8	25	24	30	4.5	1.4	1.0
24	1.7	1.6				3.3	25	26	34	4.5	1.4	1.1
25	1.7	1.7				3.3	26	27	33	4.2	1.4	1.1
26	1.7	1.7				2.8	25	27	35	3.0	1.4	1.1
27	1.7	1.7				2.3	25	27	37	3.3	1.4	1.1
28	1.8	1.7			2.4	2.0	27	26	37	2.4	1.4	1.1
29	1.7	1.7			2.4	1.4	28	27	37	2.3	1.4	1.1
30	1.8	1.7			-	1.2	30	27	36	2.3	1.2	1.0
31	1.7	-			-	1.2	-	24	-	2.2	1.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	51.0	1.8	1.4	1.65	101
November	62.0	3.6	1.6	2.07	123
December	62.2	3.6	-	2.01	123
Calendar year 1935	3,272.1	49	-	8.96	6,480
January	31	-	-	1.0	61
February	42.8	-	-	1.48	85
March	86.7	4.8	1.2	2.80	172
April	614.3	39	1.1	20.5	1,220
May	875	36	22	28.2	1,740
June	803	37	19	26.8	1,590
July	514.1	36	2.2	16.6	1,020
August	46.9	2.3	1.2	1.51	93
September	36.0	1.6	1.0	1.20	71
Water year 1935-36	3,225.0	39	-	8.81	6,400

Silver Lake Irrigation District Canal near Silver Lake, Oreg.

Location.- Staff gage, lat. 43°5', long. 121°5', in NE¼ sec. 5, T. 29 S., R. 14 E., at diversion dam of Silver Lake Irrigation District, 2½ miles southwest of Silver Lake post office.

Records available.- October 1922 to September 1928, October 1929 to September 1936.

Extremes.- Maximum discharge during year, 34 second-feet May 29; maximum gage height, 2.00 feet May 14, 15; no flow at times.
1922-28, 1929-36: Maximum discharge, 60 second-feet June 26-29, 1923; no flow at times.

Remarks.- Records fair except those for April and May, which are poor. Canal diverts water from Silver Creek that is released from storage in Thompson Valley Reservoir.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	13	29	*26		
2							0	17	*29	26		
3							0	19	26	22		
4							0	20	23	*21		
5							0	19	*23	*22		
6							0	19	23	20		
7							0	19	22	*18		
8							0	19	19	18		
9							0	19	18	18		
10							0	19	18	*18		
11							0	19	19	15		
12							0	24	20	*14		
13							0	28	19	*14		
14							0	29	20	*14		
15							0	29	20	*14		
16							0	*29	20	15		
17							0.8	*28	*20	*16		
18							1.4	29	22	*16		
19							1.9	*29	23	17		
20							3.2	*29	23	17		
21							3.7	*29	24	*17		
22							4.6	29	26	17		
23							5.5	28	*26	11		
24							7.2	*30	26	0		
25							8.3	32	26	0		
26							9.4	32	*26	0		
27							10	32	26	0		
28							11	*33	26	0		
29							12	28	*26	0		
30							11	28	26	0		
31							-	29	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year					
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	90.0	12	0	3.00	179
May	786	33	13	25.4	1,560
June	694	29	18	23.1	1,380
July	406	26	0	13.1	805
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	1,976.0	33	0	5.40	3,924

*Interpolated.

Silvies River near Burns, Oreg.

Location.- Water-stage recorder, lat. 43°43', long. 119°10', in or near SE¼ sec. 25, T. 21 S., R. 29 E., 1 mile below dam site for proposed lower Silvies Reservoir and 11 miles northwest of Burns.

Drainage area.- 940 square miles.

Records available.- May 1903 to July 1906, December 1908 to September 1936.

Average discharge.- 23 years (1903-5, 1909-12, 1917-21, 1922-36), 132 second-feet. (22 years, 134 second-feet instead of 131 second-feet as published in Water-Supply Paper 790.)

Extremes.- Maximum discharge during year, 1,520 second-feet Apr. 17 (gage height, 12.62 feet); minimum, 2.2 second-feet July 26 (gage height, 0.78 foot).
1903-6, 1908-36: Maximum discharge, 4,730 second-feet Apr. 15, 1904 (gage height, 17.12 feet, former site and datum); no flow July 19 to Sept. 22, 1934.

Remarks.- Records good except those for August and September, which are fair, those for Oct. 1-13, Oct. 24 to Nov. 12 (estimated on basis of range of stage and weather records), and those for Nov. 13-18, Dec. 1-18, Dec. 26 to Mar. 23 (computed from 2 discharge measurements, weather records, and gage heights), all of which are poor.
A large area on headwaters of Silvies River is irrigated with flood water.

Rating table, water year 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Aug. 31 to Sept. 30)

0.6	0.7	1.6	37	4.0	240	8.0	660
.8	2.4	2.0	65	5.0	335	9.0	795
1.0	6.8	2.5	105	6.0	435	10.0	960
1.3	20	3.0	150	7.0	545	12.0	1,380
						13.0	1,620

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							83	589	50	11	3.5	3.8
2							84	523	59	9.6	2.9	6.0
3							83	468	64	8.9	3.8	6.6
4							90	415	67	7.8	11	7.8
5							89	385	59	7.5	7.8	8.6
6							104	395	53	6.8	5.8	8.6
7	3.5	8.0					222	375	58	6.3	5.8	7.5
8							285	365	67	6.0	6.8	6.5
9							395	345	79	6.0	4.7	6.0
10			10				490	295	69	6.3	4.7	4.5
11							612	258	60	6.5	4.7	4.2
12						60	765	240	53	6.3	6.3	4.7
13		8.0					1,000	213	51	5.5	6.0	5.2
14	4.7	8.0					1,160	186	52	5.2	4.7	6.0
15	4.7	8.7					1,290	168	49	4.7	4.5	6.5
16	5.0	8.5					1,430	136	40	3.8	4.7	6.3
17	5.5	9.0					1,500	97	33	3.7	4.0	6.3
18	6.3	8.5					1,470	85	30	3.3	3.7	6.8
19	6.5	9.2	11				1,380	80	27	3.1	3.6	6.0
20	7.2	9.6	11				1,250	79	24	2.9	4.0	6.0
21	6.8	9.2	11				1,100	81	20	2.8	4.5	6.3
22	6.8	10	11				960	95	19	2.6	5.5	5.8
23	6.8	10	11				891	91	18	2.8	6.3	6.0
24		10	10			123	875	86	18	2.8	5.8	7.2
25		10	12			118	843	76	18	2.4	5.2	7.5
26		9.6				105	811	64	16	2.3	5.0	7.8
27		10				107	723	54	15	3.5	5.5	9.2
28	8.0	10	11			110	660	51	14	3.7	6.3	11
29		9				118	612	50	12	4.2	5.0	13
30		9				91	589	50	11	3.5	5.0	13
31						97	-	49	-	4.7	5.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	169.8	-	-	5.48	337
November	261.3	-	-	8.71	518
December	323	-	-	10.4	641
Calendar year 1935	21,653.6	811	.7	59.3	42,940
January	465	-	-	15	922
February	580	-	-	20	1,150
March	2,249	-	-	72.5	4,460
April	21,846	1,500	83	728	43,330
May	6,444	589	49	208	12,780
June	1,205	79	11	40.2	2,390
July	156.5	11	2.3	5.05	310
August	162.8	11	2.9	5.25	323
September	210.9	13	3.8	7.03	418
Water year 1935-36	34,073.3	1,500	-	93.1	67,580

Trout Creek near Denio, Oreg.

Location.- Water-stage recorder, lat. 42°10', long. 118°28', in SW¼ sec. 26, T. 39 S., R. 36 E., 0.4 mile above bridge at mouth of canyon, 5 miles east of Trout Creek ranch, and 14 miles northeast of Denio.

Records available.- March 1911 to March 1912, April 1922 to November 1923, April 1925 to September 1936 (incomplete prior to 1932).

Discharge.- Maximum discharge during year, 78 second-feet Apr. 24 (gage height, 2.93 feet); minimum, 0.6 second-foot Aug. 8, 9 (gage height, 1.28 feet).
1911-12, 1922-23, 1925-36: Maximum discharge, 343 second-feet Aug. 1, 1933; probably no flow at times.
Maximum stage known, 6.0 feet (caused by cloudburst) between 1922 and 1932.

Remarks.- Records good except those below 2.0 second-feet, those for Nov. 3-16, Dec. 18-27, Sept. 5-30 (estimated on basis of range of stage and weather records), and those for period of ice effect, Jan. 19 to Feb. 28 (computed on basis of two discharge measurements, gage heights, and weather records), which are fair, and those for period of ice effect, Mar. 1 to Apr. 9 (estimated on basis of gage heights and weather records), which are poor. A little water is diverted for irrigating small ranch fields above station; large irrigation diversions below.

Discharge, in second-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	4.8	5.1	6.2	3.5			40	40	5.8	0.9	2.1
2	1.8	4.2	4.4	6.9	3.7			36	31	5.1	.9	3.3
3	2.2		4.4	6.9	4.5			50	27	4.0	.9	3.8
4	3.0		5.5	6.9	5.0			55	39	3.7	.8	4.0
5	2.9		6.4	6.6	5.5		4.0	60	31	2.9	.7	
6	2.7		5.8	6.0	5.5			51	31	2.0	.7	
7	2.9		7.6	5.5	4.5			45	33	2.0	.7	
8	2.9		6.9	6.6	3.5			43	30	4.6	.7	
9	2.8		6.9	7.1	4.0			43	26	10.	.6	
10	2.7	5.0	5.8	6.9	4.5		3.7	46	24	7.6	.8	
11	2.8		7.3	7.6	8.0		5.1	51	23	6.0	1.7	
12	4.0		6.9	6.0	9.0		8.1	51	21	5.5	9.2	
13	4.0		7.1	6.4	7.5		13	55	21	4.6	3.7	
14	3.5		5.5	6.9	6.0		20	56	18	4.4	2.2	
15	3.8		3.3	11	5.0		22	55	16	3.5	1.8	
16	4.4		3.5	8.9	4.8		27	49	17	2.2	1.5	
17	4.2	5.5	3.5	6.0	4.5		38	43	15	1.7	1.4	
18	4.0	6.2	3.5	5.8	4.5		48	40	15	1.8	1.1	3.5
19	4.2	6.4	3.5	7.0	4.5		51	39	14	1.1	1.2	
20	4.2	5.8	3.7	6.5	5.0		51	37	13	.8	1.3	
21	4.0	6.2	3.9	6.0	7.0		55	33	12	.8	1.4	
22	4.2	5.8	4.2	5.7	6.5		66	28	11	.8	1.2	
23	3.7	6.6	4.5	5.5	5.0		70	27	10	1.3	1.4	
24	3.8	6.9	5.0	5.5	3.0		70	27	13	1.0	1.4	
25	4.4	6.6	5.5	5.5	2.0		66	27	12	1.0	1.0	
26	4.2	6.6	7.0	5.7	2.2		61	24	7.0	1.0	1.0	
27	4.0	6.4	6.2	5.5	2.5		60	26	6.4	.8	1.0	
28	3.7	6.6	6.0	5.0	2.7		55	24	6.4	.8	1.1	
29	4.0	6.2	6.0	4.0	2.8		51	26	6.2	.8	1.5	
30	3.8	5.5	6.0	3.5	-		47	23	6.2	.8	1.8	
31	2.9	-	6.0	3.5	-		-	31	-	.8	2.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	107.2	4.4	1.5	3.46	213
November	166.3	6.9	-	5.54	330
December	166.9	7.6	3.3	5.38	331
Calendar year 1935	7,099.7	141	.9	19.5	14,070
January	193.1	11	3.5	6.23	383
February	136.7	9.0	2.0	4.71	271
March	155	-	-	5.0	307
April	923.9	70	3.7	30.8	1,830
May	1,241	60	23	40.0	2,460
June	576.0	40	6.2	19.2	1,140
July	89.2	10	.8	2.88	177
August	47.7	9.2	.6	1.54	95
September	104.2	-	-	3.47	207
Water year 1935-36	3,907.2	70	.6	10.7	7,740

In addition to the records of flow obtained at the gaging stations and reported in the preceding pages, measurements were made at other points, as shown by the following table:

Miscellaneous discharge measurements in the Great Basin during the water year October 1935 to September 1936

Bear River Basin

Date	Stream	Tributary to or diverting from-	Locality	Discharge
				Sec.-ft.
Oct. 19	Devil Creek (below Evans dividers).	Malad River.....	Sec. 35, T. 13 S., R. 36 E., 3 miles northeast of Malad, Idaho.	2.75
Dec. 19	....do.....	....do.....	....do.....	1.52
Feb. 23	....do.....	....do.....	....do.....	*.01
June 3	....do.....	....do.....	....do.....	7.42
21	....do.....	....do.....	....do.....	4.84
July 24	....do.....	....do.....	....do.....	0
Sept.12	....do.....	....do.....	....do.....	2.23
26	....do.....	....do.....	....do.....	.35
Oct. 19	Spring Creek (below Evans dividers).	Devil Creek.....	....do.....	2.67
Dec. 19	....do.....	....do.....	....do.....	1.63
Feb. 23	....do.....	....do.....	....do.....	4.19
June 3	....do.....	....do.....	....do.....	6.72
21	....do.....	....do.....	....do.....	5.73
July 24	....do.....	....do.....	....do.....	6.05
Sept.12	....do.....	....do.....	....do.....	2.30
26	....do.....	....do.....	....do.....	2.97

Weber River Basin

May 2	Weber-Provo diversion canal	Weber and Provo Rivers.	NW¼ sec. 28, T. 1 S., R. 6 E., about 1,000 feet below canal heading and 1¼ miles east of Oakley, Utah.	159

Jordan River Basin

Apr. 16	Upper power plant canal.	Salt Creek.....	NE¼ sec. 6, T. 13 S., R. 2 E., about 0.5 mile below canal heading and 5 miles east of Nephi, Utah.	+12.4

Salton Sea Basin

May 7	Murray Canyon Creek.	Palm Canyon Creek	Mouth of canyon, near Palm Springs, Calif.	3.5
Dec. 11	....do.....	....do.....	Junction with Palm Canyon Creek, near Palm Springs, Calif.	.20
Jan. 2	....do.....	....do.....	....do.....	.31
Feb. 5	....do.....	....do.....	....do.....	1.1
16	....do.....	....do.....	....do.....	39
25	....do.....	....do.....	....do.....	12
Mar. 3	....do.....	....do.....	....do.....	5.1
24	....do.....	....do.....	....do.....	2.4
31	....do.....	....do.....	....do.....	24
Apr. 8	....do.....	....do.....	....do.....	14
15	....do.....	....do.....	....do.....	9.7
23	....do.....	....do.....	....do.....	7.2
May 7	....do.....	....do.....	....do.....	2.9
21	....do.....	....do.....	....do.....	.85
25	....do.....	....do.....	....do.....	.85
June 4	....do.....	....do.....	....do.....	.85
May 7	Andreas Canyon Creek.	....do.....	Mouth of canyon, near Palm Springs, Calif.	4.1
Dec. 11	....do.....	....do.....	Junction with Palm Canyon Creek, near Palm Springs, Calif.	.16
Jan. 2	....do.....	....do.....	....do.....	*.05
Feb. 5	....do.....	....do.....	....do.....	.85
16	....do.....	....do.....	....do.....	23
25	....do.....	....do.....	....do.....	6.8
Mar. 3	....do.....	....do.....	....do.....	4.3
24	....do.....	....do.....	....do.....	2.2
31	....do.....	....do.....	....do.....	9.5
Apr. 8	....do.....	....do.....	....do.....	4.1
15	....do.....	....do.....	....do.....	4.8
23	....do.....	....do.....	....do.....	2.7
May 7	....do.....	....do.....	....do.....	2.0
21	....do.....	....do.....	....do.....	.60
27	....do.....	....do.....	....do.....	*.05
June 4	....do.....	....do.....	....do.....	*.1
Aug. 21	....do.....	....do.....	....do.....	1.0
Feb. 5	Tahquitz Creek	....do.....	....do.....	.32
16	....do.....	....do.....	....do.....	9.2
25	....do.....	....do.....	....do.....	3.6
Mar. 3	....do.....	....do.....	....do.....	1.0
24	....do.....	....do.....	....do.....	6.4
31	....do.....	....do.....	....do.....	6.2
Apr. 8	....do.....	....do.....	....do.....	5.8
15	....do.....	....do.....	....do.....	18
23	....do.....	....do.....	....do.....	28
May 7	....do.....	....do.....	....do.....	20
21	....do.....	....do.....	....do.....	15
27	....do.....	....do.....	....do.....	10
June 4	....do.....	....do.....	....do.....	5.7

*Estimated.
+About full capacity of canal.

Miscellaneous discharge measurements in the Great Basin during the water year October 1935 to September 1936--Continued

Mojave River Basin

Date	Stream	Tributary to or diverting from-	Locality	Discharge
				Sec.-ft.
Jan. 3	Mojave River....	Great Basin.....	Near Hodge, Calif.....	*10
24	....do.....	....do.....	....do.....	11
Mar. 12	....do.....	....do.....	....do.....	* 2.0

Warner Lakes Basin

June 29	Camas Creek.....	Deep Creek.....	Sec. 6, T. 39 S., R. 22 E., near Lakeview, Oreg.	1.0
29	Mud Creek.....	Camas Creek.....	NW¼ sec. 32, T. 38 S., R. 22 E., 1 mile above mouth, near Lakeview, Oreg.	5.4
29	Drake Creek.....	Deep Creek.....	Mouth, sec. 9, T. 39 S., R. 23 E., near Lakeview, Oreg.	6.5

Malheur and Harney Lakes Basin

June 25	Bear Creek.....	Silvies River....	NW¼ sec. 35, T. 16 S., R. 31 E., near mouth, at Seneca, Oreg.	1.6
25	Poison Creek....	....do.....	SE¼ sec. 16, T. 22 S., R. 31 E., near Burns, Oreg.	1.0

*Estimated.

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