UNITED STATES DEPARTMENT OF THE INTERIOR

SURFACE WATER SUPPLY *of the* UNITED STATES 1935

PART 10

THE GREAT BASIN

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

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 790

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

Water-Supply Paper 790

SURFACE WATER SUPPLY *of the* UNITED STATES 1935

PART 10
THE GREAT BASIN

NATHAN C. GROVER, Chief Hydraulic Engineer
G. H. CANFIELD, ROBERT FOLLANSBEE, H. D. McGLASHAN
THOMAS R. NEWELL, and A. B. PURTON
District Engineers

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

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1937

For sale by the Superintendent of Documents, Washington, D. C. - - - - - - - - - Price 20 cents

CONTENTS

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, 1935. The work was begun in 1888 in connection with special studies relating to irrigation. In the execution of the work, measurements of stream flow have been made at about 7,020 points in the United States and also at many points in Alaska and the Hawaiian Islands. In July 1935, 3,020 gaging stations were being maintained by the Geological Survey and the cooperating organizations. Many miscellaneous discharge measurements were made at other points.

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 information in regard to the location and type of gage, 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.

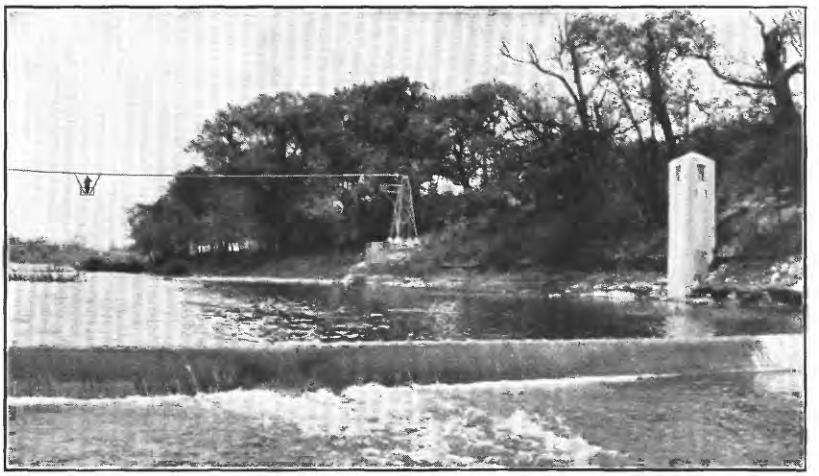
The table of daily discharge gives, for stations equipped with nonrecording gages, the discharge in second-feet corresponding to once-daily or the mean of twice-daily readings of the gage. For stations equipped with water-stage recorders the table gives the discharge corresponding to the mean daily gage 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 5 percent; "good", within 10 percent; "fair", within 15 percent; and "poor", within 20 percent or more.



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.

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.

In order to permit greater refinement in analysis and comparison of records for adjacent stations, the following changes in computation procedure were followed in preparing some of the records published in the series of reports for 1934 and all the records for 1935: (a) Mean monthly discharge above 1,000 second-feet and monthly run-off above 10,000 acre-feet are expressed to four significant figures instead of three significant figures, as formerly; (b) monthly run-off in acre-feet is computed from the total second-foot-days for the month and not from the mean discharge for the month; (c) drainage areas above 1,000 square miles, if measured on topographic maps, or if otherwise warranted, are expressed to four significant figures instead of three as formerly.

PUBLICATIONS

The results of stream-flow measurements are now published annually in 14 parts (parts 12, 13, and 14 were formerly 12-A, 12-B, and 12-C), 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 United States 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.
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., 403 Post Office Building.
Salt Lake City, Utah, 303 Federal Building.
Idaho Falls, Idaho, 228 Federal Building.
Boise, Idaho, 429 Federal Building.
Helena, Mont., 421 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, United States 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 United States 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.

Stream-flow data in reports of the United States Geological Survey - Continued

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

Report	Character of data	Year
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 10.

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 1935. 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, 1899-1935

(For basins included see p. 7)

Year	1	2	3	4	5	6	7	8	9	10	11	12 (12-A)	13 (12-B)	14 (12-C)
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

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, 1935, 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 near Summer Lake, Oreg.	1930-35	Oregon State engineer.	Unpublished.
Diamond Fork.....	Thistle, Utah, at former U. S. Geological Survey gaging station.	1918-35	Spanish Fork Water Users Ass'n.	In Strawberry Valley project and water commissioner's reports.
East Canyon Creek.	Morgan, Utah, above reservoir.	1932-35	Weber River Water Commissioner.	In water commissioner's annual reports.
Do.....	Morgan, Utah, below reservoir.	1932-35	....do.....	Do.
East Canyon Reservoir.	Morgan, Utah.....	1932-35	....do.....	Do.
Honey Creek.....	1½ miles northwest of Plush, Oreg.	1909-15, 1921-22, 1930-35	Oregon State engineer.	Records to 1922 published in water-supply papers; 1930 published in Bull. S, Oregon State engineer.
Ogden River, main branches and other streams tributary to reservoir area.	Huntsville, Utah, above backwater of Pine View Reservoir	1935	U. S. Bureau of Reclamation.	In report of hydrological investigation of Ogden River project.
Ogden River.....	Ogden, Utah, at mouth of canyon.	1935	....do.....	Do.
Otter Creek (outlet).	Antimony, Utah, former U. S. Geological Survey gaging station published as near Coyote.	*1920-35	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.	*1915-35	....do.....	Do.
Sevier River.....	Delta, Utah, former U. S. Geological Survey gaging station.	*1920-35	....do.....	Do.
Spanish Fork.....	Cold Springs, Utah, former U. S. Geological Survey gaging station published as at Castilla.	1926-35	Spanish Fork Water Users Ass'n.	In Strawberry Valley project and water commissioner reports.
Spanish Fork.....	Thistle, Utah, former U. S. Geological Survey gaging station.	1926-35	....do.....	Do.
Strawberry Tunnel outlet.	West Portal, Utah..	1913-35	....do.....	Do.
Wheeler Creek.....	Ogden, Utah, near mouth.	1935	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, 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, George W. Malone and A. M. 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.

Assistance in collecting records was rendered by the following organizations and corporations: In California by the Walker River Irrigation District; in Utah by Utah Power & Light Co.; Logan, Hyde Park & Smithfield Canal Co., city of Hyrum, Weber River Water Users Ass'n., and Provo River Water Users.

Funds for the rehabilitation of gaging stations, repairs, replacement of equipment, and improvement of records were allocated by the Public Works Administration from funds made available by the National Industrial Recovery Act.

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.

GAGING STATION RECORDS

GREAT SALT LAKE BASIN

Gages on Great Salt Lake

Location.- Staff gages, lat. 40°46'30", long. 112°10'20", at Saltair, on southeast of lake, 15 miles west of Salt Lake City, and at Midlake, lat. 41°13', long. 11 on Lucin cut-off of Southern Pacific Railroad, 30 miles west of Ogden, Weber Co Utah. Zero of Saltair gage is 4,196.85 feet (revised) above mean sea level; ze Midlake gage is 4,198.0 feet above mean sea level.

Records available.- September 1875 to December 1899, March to July 1904, October 1 September 1935 in reports of U. S. Geological Survey; July 1903 to December 193 reports of U. S. Weather Bureau.

Extremes.- Maximum elevation during year, 4,196.0 feet June 1 at Saltair gage; min 4,194.35 feet Sept. 15 at both gages.
1850-1935: Maximum elevation observed, 4,211.3 feet July 12, 1877; estimate maximum, 4,212.5 feet in 1868 (data furnished by Marcus E. Jones, Salt Lake Cit minimum, that of Sept. 15, 1935.

Remarks.- Apparent inconsistencies in readings are probably due largely to the eff 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 1934-35

Day	Saltair	Midlake
Oct. 1	-1.9	-3.1
15	-2.0	-3.15
Nov. 1	-2.1	-3.25
15	-2.05	-3.15
Dec. 1	-1.95	-3.1
15	-1.85	-3.0
Jan. 1	-1.75	-2.9
15	-1.7	-2.9
Feb. 1	-1.6	-2.85
15	-1.45	-2.65
Mar. 1	-1.35	-2.5
15	-1.3	-2.4
Apr. 1	-1.2	-2.35
15	-1.15	-2.25
May 1	-1.15	-2.25
15	-1.1	-2.15
June 1	-.85	-2.1
15	-.9	-2.25
July 1	-1.2	-2.4
15	-1.5	-2.65
Aug. 1	-1.75	-3.0
15	-2.0	-3.25
Sept. 1	-2.3	-3.4
15	-2.5	-3.65

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 1935.

Average discharge.- 22 years, 244 second-feet.

Extremes.- Maximum discharge during year, 2,540 second-feet June 14 (gage height, 5.63 feet); minimum daily discharge, 2.2 second-feet Aug. 14-15.
1913-35: 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, Nov. 28 to Mar. 25, which were computed on the basis of two discharge measurements and temperature records. Some diversions for irrigation above station.

Rating table, water year 1934-35 except period of ice effect
(gage height, in feet, and discharge, in second-feet)

0.6	2.0	1.6	104	2.6	370	4.5	1,240
.8	5.8	1.8	145	2.8	455	5.0	1,590
1.0	17	2.0	192	3.0	545	5.5	2,280
1.2	39	2.2	244	3.5	770	6.0	3,350
1.4	69	2.4	302	4.0	995		

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	3.2	3.0					112	187	514	258	3.4	9.4
2	3.2	3.1					139	175	509	205	3.4	8.9
3	3.1	3.4				65	178	170	500	187	3.0	7.9
4	3.2	3.5					197	166	662	170	2.9	7.4
5	3.4	3.5					187	156	842	145	2.9	6.8
6	3.2	3.5					120	163	1,040	114	3.0	7.4
7	3.2	3.5					100	175	1,140	83	2.9	7.4
8	3.2	3.6				60	110	180	1,280	66	2.9	6.8
9	3.4	4.5					122	192	1,340	55	3.0	6.8
10	3.4	4.9					93	241	1,680	45	2.8	5.8
11	3.4	4.9					99	305	1,830	32	2.7	4.9
12	3.4	4.9					139	324	1,810	24	2.4	4.0
13	3.1	5.4				85	175	437	1,810	13	2.4	3.5
14	2.9	5.8		*24			175	328	2,000	14	2.2	3.5
15	2.9	5.8					152	299	1,930	12	2.2	3.5
16	3.1	5.8					161	302	1,550	8.4	2.3	3.2
17	3.0	5.8			*61		187	296	1,100	5.4	2.8	2.8
18	2.9	6.8				80	139	296	900	7.9	3.0	2.6
19	2.9	7.9					269	582	833	18	4.9	2.5
20	2.8	9.4					382	604	869	18	4.5	2.4
21	2.8	8.4					244	366	856	16	4.5	2.4
22	2.8	7.9					266	334	779	14	4.5	2.4
23	2.8	8.9				95	266	305	734	10	6.8	2.4
24	2.8	11					239	334	694	9.4	9.4	2.8
25	2.9	10					269	424	599	5.4	11	3.0
26	3.0	10				97	228	590	482	3.6	11	3.0
27	3.0	10				83	178	712	410	3.4	10	3.0
28	3.0	10				86	168	761	386	2.8	10	3.0
29	3.0	9				91	175	671	334	2.9	13	3.0
30	3.0	9				134	202	604	299	3.2	12	3.1
31	3.0	-				122	-	558	-	3.5	10	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	95.0	3.4	2.8	3.06	188
November	193.2	11	3.0	6.44	383
December	496	-	-	16	984
Calendar year 1934	17,780.9	444	0	48.7	35,260
January	1,085	-	-	35	2,150
February	1,680	-	-	60	3,330
March	2,538	134	-	81.9	5,030
April	5,471	382	93	182	10,850
May	11,037	761	156	356	21,890
June	29,712	2,000	299	990	58,930
July	1,554.9	258	2.8	50.2	3,080
August	161.8	13	2.2	5.22	321
September	135.6	9.4	2.4	4.52	269
Water year 1934-35	54,159.5	2,000	2.2	148	107,400

*Discharge measurement.

Bear River at Harer, Idaho

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

Drainage area.- 2,780 square miles.

Records available.- June 1913 to September 1916, January 1919 to September 1935.

Average discharge.- 19 years, 542 second-feet.

Extremes.- Maximum mean daily discharge during year, 1,510 second-feet June 19; minimum, 48 second-feet Oct. 3.
1913-16, 1919-35: Maximum discharge, 3,860 second-feet June 2, 1920 (gage height, 10.51 feet); minimum mean daily discharge, 26 second-feet Aug. 21-27, 1934.

Remarks.- Records good except those for Nov. 26 to Apr. 4, which were estimated. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	86	115	90	100	120	230	346	588	474	139	73
2	50	92	115	90	100	120	235	353	592	424	139	73
3	48	92	110	90	100	120	245	354	632	400	134	79
4	49	93	110	90	105	120	270	305	624	380	132	97
5	50	93	110	90	105	120	273	282	640	359	134	97
6	51	93	110	90	105	120	270	282	624	330	134	84
7	55	101	110	90	105	120	266	298	604	311	134	79
8	54	114	105	90	110	120	263	298	596	305	132	82
9	56	114	105	90	110	125	266	292	604	295	130	84
10	59	114	105	90	110	125	266	302	628	305	128	79
11	59	114	105	90	110	125	257	321	673	334	128	78
12	59	112	100	90	115	125	251	337	820	286	128	78
13	60	112	100	90	115	126	248	343	1,000	263	124	76
14	60	112	100	90	115	130	245	327	1,120	245	124	76
15	71	112	98	90	115	135	245	321	1,250	233	126	74
16	80	112	95	90	115	140	251	305	1,320	219	124	74
17	83	112	95	90	115	140	270	298	1,420	210	126	74
18	86	112	95	90	115	145	270	311	1,490	194	122	74
19	90	116	95	90	115	145	251	321	1,510	189	116	73
20	92	120	95	90	115	155	245	327	1,410	189	112	73
21	92	120	95	90	115	170	254	380	1,360	184	112	73
22	95	120	95	90	120	185	282	397	1,270	176	106	74
23	97	120	95	95	120	185	311	390	1,000	171	101	78
24	93	122	95	95	120	185	318	400	771	181	96	89
25	97	124	95	95	120	185	298	424	723	186	94	94
26	99	120	95	95	120	190	282	467	690	171	90	96
27	97	120	95	95	120	190	273	492	648	154	87	96
28	97	120	95	95	120	190	286	553	644	143	87	96
29	99	115	95	94	-	195	308	600	572	139	79	97
30	99	115	95	95	-	200	321	592	526	139	74	99
31	92	-	95	95	-	215	-	588	-	139	74	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,319	99	48	74.8	4,600
November	3,322	124	86	111	6,590
December	3,118	115	95	101	6,180
Calendar year 1934	33,709	210	26	92.4	66,860
January	2,834	95	90	91.4	5,620
February	3,150	120	100	112	6,250
March	4,666	215	120	151	9,250
April	8,050	321	230	268	15,970
May	11,586	600	282	374	22,980
June	26,349	1,510	526	878	52,260
July	7,728	474	139	249	15,330
August	3,566	139	74	115	7,070
September	2,469	99	73	82.3	4,900
Water year 1934-35	79,157	1,510	48	217	157,000

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 plant of Utah Power & Light Co., half a 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 1935.

Average discharge.- 20 years (1911-16, 1919-20, 1921-35), 864 second-feet.

Extremes.- Maximum mean daily discharge during year, 1,150 second-feet July 9; minimum, 44 second-feet Jan. 13.
1911-16, 1919-35: 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. Numerous diversions for irrigation above station. Regulation caused by storage in Bear Lake Reservoir and operations at Soda power 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	123	205	278	240	64	279	264	420	436	1,080	832	399
2	77	225	234	285	92	230	149	420	470	1,130	839	428
3	79	115	206	200	116	143	208	605	420	1,140	839	612
4	194	75	248	200	206	256	153	560	436	1,110	832	635
5	77	75	164	164	210	259	159	370	476	1,130	847	667
6	166	180	168	64	159	367	218	315	464	1,110	887	635
7	79	190	141	99	208	389	203	310	390	1,100	887	556
8	125	180	86	88	227	329	406	310	399	1,130	895	450
9	77	180	54	174	208	346	479	297	426	1,150	579	687
10	168	200	96	200	157	253	467	328	442	1,130	847	803
11	77	70	200	137	242	52	543	338	431	1,140	801	744
12	88	180	165	86	239	56	571	338	436	1,130	786	513
13	110	220	180	44	246	95	484	324	442	1,120	764	458
14	77	265	120	133	257	62	435	301	447	1,070	728	464
15	123	265	75	179	280	64	658	315	431	1,040	728	288
16	79	175	54	144	412	66	517	342	426	1,030	775	484
17	79	100	95	97	445	66	493	328	436	996	605	451
18	110	60	145	97	138	203	499	328	464	962	550	406
19	110	60	330	66	58	219	612	319	453	954	525	286
20	109	285	240	148	105	210	561	351	592	954	585	310
21	80	215	155	227	58	272	230	356	692	945	585	235
22	120	195	200	251	229	269	331	338	638	970	570	200
23	80	265	155	168	262	300	276	338	706	928	600	328
24	180	350	200	102	244	280	341	338	757	887	630	189
25	210	215	110	62	240	343	436	338	757	847	500	340
26	185	305	285	111	89	281	476	310	824	854	634	205
27	120	329	280	66	83	282	442	342	904	854	623	220
28	75	239	350	200	81	263	458	306	928	854	629	210
29	160	56	440	184	-	179	288	399	954	839	663	175
30	195	243	240	164	-	139	351	579	1,010	832	642	155
31	230	-	350	109	-	62	-	470	-	832	582	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,762	230	75	121	7,460
November	5,717	350	56	191	11,340
December	6,044	440	54	195	11,990
Calendar year 1934	166,558	1,220	54	456	330,400
January	4,489	285	44	145	8,900
February	5,355	445	58	191	10,620
March	6,614	389	52	213	13,120
April	11,708	658	149	390	23,220
May	11,333	605	297	366	22,480
June	17,087	1,010	390	570	33,890
July	31,248	1,150	832	1,010	61,980
August	22,089	895	500	713	43,810
September	12,533	803	155	418	24,860
Water year 1934-35	137,979	1,150	44	378	273,700

Bear River near Weston, Idaho

Location.- Water-stage recorder, lat. 42°1'50", long. 111°55'15", in SW¼SE¼ sec. 17 (revised), 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 1935. Comparable records obtained near Preston, Idaho, October 1889 to January 1917.

Average discharge.- 14 years (1919-32, 1934-35), 1,090 second-feet.

Extremes.- Maximum mean daily discharge during year, 1,230 second-feet Apr. 17; minimum, 31 second-feet June 23.
1919-32, 1934-35: Maximum discharge, 6,100 second-feet May 8 or 9, 1922 (gage height, 12.1 feet); minimum mean daily discharge, 30 second-feet Apr. 29, 1934.

Remarks.- Records fair. Discharge estimated January and February, because of ice effect, and June 27 to July 1. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	115	218	330			217	80	747	463	520	447	434
2	155	339	420			651	428	718	463	689	453	392
3	279	362	520			501	682	801	418	665	488	333
4	231	234	450			193	348	794	412	621	495	415
5	205	115	190			563	540	725	412	672	563	482
6	220	330	170			665	485	682	415	725	614	566
7	279	342	250			476	424	682	424	750	583	412
8	234	398	180			614	294	978	392	804	651	514
9	178	276	190			549	869	1,070	386	873	597	540
10	175	380	300			488	1,010	801	380	628	501	772
11	152	522	280			244	944	255	668	700	600	729
12	240	212	443			258	718	193	288	844	570	556
13	276	362	356			380	479	149	255	815	648	485
14	202	291	162			210	460	110	233	826	808	440
15	220	384	170			399	624	77	124	884	711	324
16	285	260	276			466	1,030	50	297	880	421	318
17	144	200	273			306	1,230	47	162	862	370	339
18	120	60	390			228	1,170	84	135	740	380	300
19	150	230	366			740	790	77	112	651	495	288
20	231	350	630			566	604	104	100	590	580	321
21	150	250	412			641	1,110	274	144	682	476	212
22	212	270	426			450	1,140	421	71	662	476	222
23	188	520	327			386	655	376	31	848	476	246
24	208	430	273			476	662	138	122	711	546	324
25	273	380	273			220	508	146	348	614	614	428
26	225	550	144			718	540	434	488	621	418	190
27	282	440	387			648	555	485	440	772	463	312
28	222	230	550			638	804	327	530	570	466	230
29	220	130	490			549	711	294	340	604	504	318
30	390	200	321			511	768	222	340	790	563	151
31	220	-	348			294	-	312	-	498	520	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,681	390	115	216	13,250
November	9,265	550	60	309	18,380
December	10,277	630	144	332	20,380
Calendar year					
January	9,300	-	-	300	18,450
February	12,600	-	-	450	24,990
March	14,245	740	193	460	28,250
April	20,762	1,230	80	692	41,180
May	12,573	1,070	47	406	24,940
June	9,393	668	31	313	18,630
July	22,111	884	498	713	43,860
August	16,497	808	370	532	32,720
September	11,893	772	151	386	22,990
Water year 1934-35	155,297	1,230	31	425	308,000

130346 O—37——2

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 1935.

Average discharge.- 45 years (1889-1905, 1906-35), 1,841 second-feet.

Extremes.- Maximum mean daily discharge during year, 2,920 second-feet May 29; minimum daily discharge, 18 second-feet July 15, 16, Sept. 22, 24-30.
1889-1935: 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.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used June 23 to Sept. 30)

0.7	14	1.8	576
.8	22	2.0	754
.9	38	2.3	1,040
1.0	64	2.6	1,370
1.2	146	3.0	1,890
1.4	262	3.5	2,650
1.6	408	4.0	3,500

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	567	487	453	408	858	1,320	580	2,170	929	27	20	19
2	312	884	580	854	877	1,030	1,350	2,280	1,520	27	20	19
3	228	576	522	692	702	1,480	1,120	2,000	1,750	28	20	19
4	64	42	688	872	732	1,720	972	1,740	1,840	27	20	19
5	968	571	432	319	751	1,490	1,020	858	1,470	27	20	19
6	145	750	666	154	947	1,530	884	1,680	1,190	24	20	19
7	186	650	479	969	696	1,080	1,130	2,020	1,150	22	20	19
8	130	904	295	970	1,410	1,230	772	2,070	1,080	20	20	19
9	210	1,110	518	1,040	1,110	1,050	554	1,810	771	20	20	19
10	104	1,010	799	690	630	1,170	485	1,610	1,170	20	20	19
11	137	1,000	458	834	1,540	1,150	446	1,150	1,010	20	19	20
12	88	609	328	666	1,320	366	351	1,200	992	19	20	20
13	27	790	634	368	1,200	413	679	1,890	1,020	19	20	20
14	88	708	499	865	1,200	116	962	1,770	915	19	20	19
15	79	324	188	715	1,030	187	2,510	1,370	107	18	20	19
16	314	580	30	649	941	62	1,740	1,650	33	18	20	19
17	368	545	421	716	502	1,250	1,200	1,030	457	19	20	20
18	464	191	488	809	848	1,820	1,580	226	565	20	20	20
19	95	1,150	1,360	545	442	1,940	1,810	193	446	22	21	19
20	25	1,200	1,040	362	449	1,840	1,900	780	194	22	21	19
21	100	1,090	788	257	485	1,680	1,290	798	33	22	21	19
22	35	560	1,050	229	1,090	1,750	1,390	622	33	21	21	18
23	477	984	528	540	1,150	654	1,450	305	30	20	21	19
24	816	506	727	523	1,290	726	991	266	30	20	21	18
25	688	198	625	442	1,340	743	1,250	118	30	20	20	18
26	610	447	1,140	225	492	984	1,510	55	30	20	19	18
27	251	551	1,450	129	762	1,450	1,500	1,050	28	20	19	18
28	206	1,350	1,370	526	825	1,300	544	1,350	28	20	19	18
29	579	846	786	537	-	1,090	1,940	2,920	28	20	19	18
30	697	962	981	496	-	1,110	2,550	1,570	25	20	19	18
31	505	-	1,410	834	-	543	-	760	-	20	19	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9,563	968	25	308	18,970
November	21,575	1,350	42	719	42,790
December	21,733	1,450	30	701	43,110
Calendar year 1934	151,460	1,450	17	415	300,400
January	16,255	1,040	129	589	36,210
February	25,619	1,540	442	915	50,810
March	34,274	1,940	62	1,106	67,980
April	36,460	2,550	351	1,215	72,320
May	39,311	2,920	55	1,268	77,970
June	18,904	1,840	25	630	37,500
July	661	28	18	21.3	1,310
August	619	21	19	20.0	1,230
September	567	20	18	18.9	1,120
Water year 1934-35	227,541	2,920	18	623	451,300

Logan River above State dam near Logan, Utah

Location.- Water-stage recorder, lat. 41°44'40", long. 111°47', 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 1935. 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 (1913-35), 122 second-feet.

Extremes.- Maximum discharge during year, 645 second-feet May 28 (gage height, 4.30 feet); minimum mean daily discharge, 8 second-feet for several days during year.
1913-35: Maximum discharge (estimated), 2,000 second-feet Mar. 21, 1916 (gage height, 5.6 feet); minimum mean daily discharge, 8 second-feet for several days in 1931, 1934, and 1935.

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 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Mar. 25)

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

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	S	S	S	8	S	10	14	119	323	82	10	10
2	S	S	S	8	8	10	14	85	316	66	10	10
3	S	S	S	S	9	10	11	56	341	51	13	11
4	8	8	8	S	8	11	10	43	382	35	11	10
5	S	S	S	S	S	10	9	41	462	26	11	10
6	S	8	S	S	8	11	9	47	494	28	11	14
7	8	8	8	S	8	10	9	54	519	26	11	14
8	8	8	S	S	9	9	11	121	532	41	11	13
9	S	8	S	8	9	9	12	184	555	39	10	11
10	8	8	8	S	10	S	9	240	532	38	10	10
11	S	8	8	8	10	S	11	274	502	34	10	10
12	S	S	S	S	10	8	19	283	490	51	10	11
13	S	8	9	8	10	9	34	258	482	26	10	29
14	8	8	9	S	9	9	31	215	462	16	11	10
15	8	8	9	S	9	10	33	191	434	29	10	11
16	S	8	9	10	9	10	45	215	402	27	10	13
17	S	8	9	10	9	9	25	218	325	17	19	14
18	S	8	8	10	9	13	14	201	271	12	21	14
19	S	S	S	10	9	14	26	201	252	11	10	13
20	8	8	S	8	9	14	39	210	246	11	10	14
21	8	8	8	S	9	14	111	201	274	13	10	13
22	S	S	8	8	9	14	121	293	220	10	10	13
23	8	S	8	8	10	13	85	363	210	11	10	15
24	8	8	S	8	9	14	48	379	196	11	10	13
25	8	S	8	9	9	13	26	371	176	10	10	13
26	8	S	8	8	9	13	16	462	164	10	10	12
27	8	S	S	8	9	13	29	494	127	12	26	11
28	8	S	8	8	10	13	58	524	121	10	10	11
29	8	S	S	8	-	13	78	438	101	19	10	12
30	8	S	S	8	-	14	125	402	96	11	10	11
31	S	-	S	8	-	14	-	345	-	18	10	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	248	8	S	8.0	492
November	240	8	S	8.0	476
December	253	9	S	8.2	502
Calendar year 1934	4,417	175	S	12.1	8,760
January	257	10	S	8.3	510
February	252	10	S	9.0	500
March	350	14	S	11.3	694
April	1,082	125	9	36.1	2,150
May	7,560	524	41	244	15,000
June	10,005	555	96	334	19,840
July	801	82	10	25.8	1,590
August	355	26	10	11.5	704
September	376	29	10	12.5	746
Water year 1934-35	21,779	555	8	59.7	43,200

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

Location.- Water-stage recorder, lat. 41°44'40", long. 111°47', in NE¼ sec. 36, T. 12 N., R. 1 E., 100 feet below power house of Utah Power & Light Co. and 2⅛ miles east of Logan.

Records available.- May 1913 to September 1935.

Average discharge.- 22 years, 99.8 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	54	60	60	51	59	65	80	186	190	190	160	119
2	54	61	59	44	63	66	81	186	190	190	157	116
3	54	61	59	49	64	65	77	186	189	190	154	112
4	54	65	60	59	63	64	81	186	189	190	151	113
5	54	66	58	63	67	62	87	186	181	190	154	113
6	53	66	56	64	70	62	85	186	189	190	151	106
7	52	65	56	65	71	62	81	186	187	190	144	104
8	54	64	58	61	69	63	85	186	187	190	136	108
9	52	63	58	56	69	61	91	186	187	190	140	108
10	54	62	56	60	66	60	93	186	187	190	140	108
11	57	62	58	60	63	60	87	184	187	190	136	107
12	58	63	59	61	64	63	89	186	189	192	139	106
13	58	63	58	59	64	65	97	184	189	192	137	104
14	58	60	61	59	64	65	119	184	190	192	136	103
15	59	59	63	60	63	66	153	186	190	192	133	98
16	59	60	65	61	57	71	174	186	189	177	133	96
17	60	60	63	60	57	71	172	186	189	192	133	96
18	60	64	63	61	62	77	164	184	190	192	133	96
19	63	65	62	59	64	80	157	184	190	192	136	96
20	60	65	63	52	66	80	184	187	190	189	135	96
21	59	64	63	38	66	78	186	189	190	184	132	96
22	60	63	64	49	63	70	187	187	190	181	126	96
23	60	61	63	66	61	74	187	187	190	180	126	96
24	59	62	62	65	62	70	187	189	190	180	126	95
25	59	60	64	63	58	72	187	189	190	176	126	97
26	59	59	62	61	56	74	187	189	190	178	126	97
27	58	56	62	61	59	72	187	187	190	174	126	97
28	55	59	61	61	64	71	186	187	190	162	120	93
29	57	60	60	62	-	71	187	187	192	160	120	95
30	60	60	60	65	-	74	186	187	190	160	117	96
31	61	-	60	62	-	75	-	189	-	160	119	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,774	63	52	57.2	3,520
November	1,658	66	56	61.9	3,690
December	1,877	65	55	60.5	3,720
Calendar year 1934	30,446	186	0	83.4	60,390
January	1,817	66	38	58.6	3,600
February	1,774	71	56	63.4	3,520
March	2,129	80	60	68.7	4,220
April	4,104	187	77	137	8,140
May	5,778	189	184	186	11,460
June	5,671	192	181	189	11,250
July	5,695	192	160	184	11,300
August	4,202	160	117	136	8,330
September	3,063	119	93	102	6,080
Water year 1934-35	39,742	192	38	109	78,830

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 1935.

Average discharge.- 12 years (1923-35), 29.8 second-feet.

Remarks.- Records good except those estimated for Oct. 23 to Dec. 13, Jan. 5 to Feb. 12, Mar. 7-12, and Apr. 2-13, 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14		4	4	4	3	0	33	44	121	38	26
2	14		4	4	4	3	3	12	44	121	39	26
3	13		4	4	4	4	6	11	44	119	38	26
4	13		4	4	4	4	6	11	44	123	39	26
5	13		4	4	4	4	6	11	45	122	39	26
6	13		4	4	4	4	6	32	63	115	38	25
7	13		4	4	4	4	7	42	78	102	39	25
8	14		4	4	4	4	7	44	106	82	39	25
9	13		4	4	4	4	7	46	115	75	36	25
10	10		4	4	4	4	7	60	117	71	35	25
11	7		4	4	4	4	8	77	129	59	33	25
12	7		4	4	4	2	8	55	131	58	33	25
13	7		4	4	4	0	8	0	130	56	33	25
14	7		4	4	4	0	8	0	134	58	32	24
15	7		4	4	4	0	9	0	135	59	31	24
16	7		4	4	4	0	9	0	133	48	30	24
17	7		4	4	4	0	9	37	127	46	30	24
18	7		4	4	4	0	8	60	129	45	29	24
19	7		4	4	4	0	8	60	128	45	29	24
20	7		4	4	4	0	7	66	128	44	29	24
21	7		4	4	4	0	6	73	127	45	29	24
22	7		4	4	4	0	17	84	125	46	28	24
23	7		4	4	4	0	26	92	124	44	27	23
24	7		4	4	4	0	26	101	124	41	26	23
25	7		4	4	4	0	23	106	122	42	26	23
26	7		4	4	4	0	23	110	122	36	26	23
27	7		4	4	3	0	39	98	123	39	26	23
28	7		4	4	3	0	50	64	124	44	26	23
29	7		4	4	-	0	55	45	122	42	26	23
30	7		4	4	-	0	59	45	120	41	26	22
31	7		4	4	-	0	-	43	-	39	26	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	277	14	7	8.9	549
November	150	-	-	5	298
December	124	4	4	4.0	246
Calendar year 1934	6,634	103	0	18.2	13,150
January	124	4	4	4.0	246
February	110	4	3	3.9	218
March	44	4	0	1.4	87
April	461	59	0	15.4	914
May	1,518	110	0	49.0	3,010
June	3,237	135	44	108	6,420
July	2,028	123	36	65.4	4,020
August	982	39	26	31.7	1,950
September	729	26	22	24.3	1,450
Water year 1934-35	9,784	135	0	26.8	19,410

Blacksmith Fork at municipal power plant near Hyrum, Utah

Location.- Water-stage recorder, lat. 41°37'40", long. 111°49'25", in SE¼ sec. 2, T. 10 N., R. 2 E., 200 feet below Hyrum municipal power plant, 1 mile above Left Fork, and 8½ miles east of Hyrum.

Drainage area.- 153 square miles.

Records available.- October 1929 to September 1935.

Extremes.- Maximum mean daily discharge during year, 204 second-feet Apr. 22; minimum, 38 second-feet Oct. 7.
1929-35: Maximum discharge, 469 second-feet May 15, 1932 (gage height, 3.12 feet); minimum mean daily discharge, that of Oct. 7, 1934.

Remarks.- Records good. Flow may be affected by operations at power plant.

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	44	48	45	43	42	43	69	139	138	72	63	61
2	42	51	45	42	42	43	73	120	132	72	63	61
3	42	50	44	42	42	44	72	112	127	70	63	60
4	40	50	45	42	42	45	86	100	126	70	63	61
5	39	50	44	42	43	45	84	96	122	68	63	61
6	40	48	44	43	43	44	74	102	122	68	64	61
7	38	45	44	43	44	43	68	114	116	66	63	61
8	43	45	44	43	45	43	86	124	110	66	63	64
9	42	45	44	43	44	43	96	133	103	64	61	63
10	41	45	44	44	44	42	85	157	96	65	61	63
11	43	45	44	44	44	42	81	168	96	66	61	60
12	43	45	43	43	44	42	73	163	92	66	61	60
13	41	45	43	43	44	44	100	139	91	65	63	59
14	40	45	44	43	44	49	120	128	88	65	63	57
15	42	44	44	43	43	60	147	128	86	64	63	59
16	42	44	44	44	43	49	173	133	85	63	63	59
17	42	44	44	44	42	51	141	136	82	61	61	58
18	42	48	44	44	42	55	120	134	84	61	66	57
19	43	50	45	44	42	46	115	136	84	63	65	57
20	45	50	45	42	42	50	150	132	84	63	65	54
21	45	46	45	40	45	50	183	128	81	64	63	55
22	45	46	45	40	45	50	204	139	79	64	63	57
23	45	45	45	43	44	49	138	147	78	64	65	58
24	50	45	45	44	44	52	134	155	74	63	65	59
25	50	45	45	44	43	53	120	154	74	63	65	59
26	48	45	44	43	43	69	110	157	75	63	65	57
27	46	44	44	43	43	60	115	170	74	63	64	53
28	46	44	44	43	43	59	127	178	73	63	63	53
29	46	48	44	44	-	64	127	155	74	64	63	53
30	48	46	44	43	-	78	146	149	72	63	63	54
31	48	-	43	43	-	73	-	142	-	63	63	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,351	50	38	43.6	2,680
November	1,391	51	44	46.4	2,760
December	1,371	45	43	44.2	2,720
Calendar year 1934	19,225	75	38	52.7	38,130
January	1,331	44	40	42.9	2,640
February	1,211	45	42	43.3	2,400
March	1,580	78	42	51.0	3,130
April	3,417	204	68	114	6,780
May	4,268	178	96	138	8,470
June	2,818	138	72	93.9	5,590
July	2,015	72	61	65.0	4,000
August	1,960	66	61	63.2	3,890
September	1,754	64	53	58.5	3,480
Water year 1934-35	24,467	204	38	67.0	48,540

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, 3½ miles above power plant of Utah Power & Light Co., and 6 miles east of Hyrum. Prior to Oct. 2, 1934, water-stage recorder 1,000 feet upstream at a different datum.

Drainage area.- 260 square miles.

Records available.- July 1900 to December 1902, November 1913 to September 1935.

Average discharge.- 21 years (1914-35), 128 second-feet.

Extremes.- Maximum discharge during year, 328 second-feet Apr. 22 (gage height, 2.88 feet); minimum mean daily discharge, 29 second-feet Jan. 3.
1913-35: Maximum discharge, about 1,620 second-feet May 15, 1917 (gage height, 6.5 feet, former site and datum); minimum mean daily discharge, that of Jan. 3, 1935.

Remarks.- Records good. Stage discharge relation affected by ice Nov. 30 to Dec. 5, Dec. 31 to Jan. 2. 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 table, water year 1934-35 except periods of ice effect (gage height, in feet, and discharge, in second-feet)

0.9	29	1.8	123
1.0	34	2.0	156
1.2	49	2.3	209
1.4	69	2.6	268
1.6	94		

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	44	47	44	40	45	47	61	204	156	79	64	58
2	41	48	44	35	45	48	65	175	151	79	64	58
3	43	49	44	29	45	48	67	159	144	76	64	57
4	41	50	44	30	46	48	77	144	139	74	64	57
5	40	49	44	47	46	50	75	142	136	74	64	57
6	40	48	44	47	47	49	70	154	131	75	64	57
7	36	47	46	46	46	49	66	168	126	74	64	57
8	43	47	46	46	46	48	76	173	118	74	62	57
9	42	47	43	46	46	48	88	180	114	73	61	56
10	41	46	43	46	46	46	80	198	108	71	60	56
11	42	46	43	46	46	46	77	209	107	71	60	56
12	43	46	43	46	46	46	73	200	104	71	60	55
13	43	46	44	46	47	47	91	176	101	70	59	55
14	41	46	45	46	47	54	106	164	98	70	59	54
15	42	46	45	47	47	62	131	161	97	69	60	52
16	42	46	45	47	46	53	158	161	95	68	59	55
17	43	46	45	46	47	51	131	164	94	67	56	55
18	43	47	45	45	47	54	116	164	93	67	62	54
19	43	48	45	*45	47	52	116	164	93	67	60	54
20	44	48	47	*40	47	51	170	164	93	67	60	54
21	44	46	47	*35	48	52	234	158	91	67	59	54
22	44	43	47	*40	48	53	264	161	90	67	58	54
23	44	40	47	*42	48	*53	191	166	90	67	60	54
24	47	43	46	*45	48	*53	163	175	86	66	64	57
25	48	43	46	*45	47	53	158	170	84	66	61	55
26	47	44	46	*45	47	62	153	170	85	65	59	54
27	47	44	46	*45	47	58	178	175	84	65	58	54
28	47	43	46	45	47	55	191	191	81	65	58	53
29	47	46	46	45	-	57	189	177	80	65	58	54
30	47	45	46	45	-	67	211	166	80	65	58	54
31	47	-	46	45	-	68	-	159	-	64	58	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,346	48	36	43.4	2,670
November	1,380	50	40	46.0	2,740
December	1,398	47	43	45.1	2,770
Calendar year 1934	18,888	82	36	51.7	37,470
January	1,343	47	29	43.3	2,660
February	1,305	48	45	46.6	2,590
March	1,628	68	46	52.5	3,230
April	3,830	264	61	128	7,600
May	5,294	209	142	171	10,500
June	3,149	156	80	105	6,250
July	2,158	79	64	69.6	4,280
August	1,877	64	58	60.5	3,720
September	1,657	58	52	55.2	3,290
Water year 1934-35	26,365	264	29	72.2	52,300

*Estimated.

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 1935.

Average discharge.- 23 years, 222 second-feet.

Remarks.- Records good. 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. Computation of daily discharge made by Utah Power & Light Co.

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	106	66	28	15	20	15	0	60	348	603	456	425
2	147	65	28	15	20	15	0	53	303	602	456	418
3	156	55	27	15	20	15	0	55	285	603	456	402
4	176	49	20	15	20	9	0	59	270	561	456	425
5	176	51	20	15	20	6	0	63	316	535	445	437
6	176	51	19	15	19	6	0	68	390	534	432	430
7	164	49	19	15	16	6	0	78	450	534	434	425
8	160	48	19	18	16	6	0	76	525	534	432	426
9	138	48	19	20	16	6	0	75	600	535	436	425
10	120	48	18	20	18	6	0	87	644	534	456	412
11	112	47	18	20	18	6	0	112	648	534	456	370
12	112	46	18	20	16	6	0	115	653	522	450	358
13	112	44	17	20	16	6	0	150	658	515	431	365
14	125	43	17	20	16	6	0	197	656	515	431	364
15	136	42	17	20	16	5	0	232	654	512	431	364
16	89	42	17	20	16	5	0	252	654	501	434	361
17	71	34	17	20	16	16	0	277	654	493	442	237
18	74	28	17	20	16	17	0	295	656	493	442	113
19	75	29	18	20	15	17	0	322	656	494	443	134
20	82	30	18	20	15	17	0	331	654	496	443	136
21	82	29	18	20	15	17	0	374	636	498	442	135
22	82	29	18	20	15	17	38	416	617	498	442	135
23	82	29	18	20	15	17	60	490	608	491	445	135
24	82	28	18	20	15	8	58	527	607	453	446	214
25	80	28	18	20	15	5	63	568	605	498	446	273
26	79	28	18	20	16	0	75	590	603	494	445	285
27	72	29	18	20	15	0	85	586	602	493	443	317
28	67	29	17	20	15	0	81	390	602	493	442	327
29	66	28	17	20	-	0	80	445	603	486	440	327
30	68	28	17	20	-	0	81	472	603	486	430	330
31	66	-	17	20	-	0	-	443	-	477	425	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,333	176	66	108	6,610
November	1,200	66	28	40.0	2,380
December	585	28	17	18.9	1,160
Calendar year 1934	73,971	552	0	203	146,900
January	583	20	15	18.8	1,160
February	466	20	15	16.6	924
March	255	17	0	8.2	506
April	621	85	0	20.7	1,230
May	8,258	590	53	266	16,380
June	16,760	658	270	559	33,240
July	16,017	603	453	517	31,770
August	13,708	456	425	442	27,190
September	9,505	437	113	317	18,850
Water year 1934-35	71,291	658	0	196	141,400

Note.- Stage-discharge relation affected by ice Dec. 16 to Jan. 7, Jan. 22 to Feb. 5. Discharge estimated Dec. 12, 14, Jan. 14, 20, Feb. 19, 23, 28, Mar. 24, 25.

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 1935.

Average discharge.- 16 years (1917-21, 1922-23, 1924-35), 51.2 second-feet.

Remarks.- Records good. 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. Computation of daily discharge made by engineers of Utah Power & Light Co.

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	41	28					0	30	50	136	114	102
2	21	28					0	20	48	135	115	99
3	18	18					0	14	47	136	115	96
4	6	12					0	18	48	124	114	70
5	0	12					0	18	48	128	117	46
6	0	12					0	23	62	125	120	46
7	0	11					0	41	84	125	120	50
8	0	11					0	40	99	127	120	48
9	20	12					0	40	114	129	120	48
10	41	16					0	40	131	127	119	64
11	52	18					0	41	131	126	119	76
12	52	18					0	47	131	120	115	81
13	52	18					0	52	134	117	106	87
14	52	17					0	52	145	117	105	87
15	52	17					0	66	151	117	106	87
16	42	17					0	72	156	117	106	74
17	40	18					0	70	156	117	108	66
18	43	18					0	70	155	118	108	56
19	42	18					0	70	155	111	108	56
20	38	17					0	71	154	112	108	56
21	38	17					0	70	120	112	108	56
22	38	17					0	90	112	113	109	57
23	38	17					0	97	140	111	108	57
24	38	17					21	105	145	99	108	64
25	38	18					17	114	147	111	107	67
26	31	17					39	125	145	112	106	98
27	31	6					46	124	143	112	106	73
28	34	0					46	64	136	113	106	85
29	31	0					46	66	136	115	106	81
30	28	0					46	62	136	114	102	85
31	28	-					-	48	-	113	102	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	985	52	0	31.8	1,950
November	445	28	0	14.8	880
December	0	0	0	0	0
Calendar year 1934	16,221	160	0	44.4	32,160
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	261	46	0	8.7	518
May	1,860	125	14	60.0	3,690
June	3,559	156	47	119	7,060
July	3,689	136	99	119	7,320
August	3,431	120	102	111	6,810
September	2,088	102	46	69.6	4,140
Water year 1934-35	16,318	156	0	44.7	32,370

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, half a mile northeast of St. John, 2½ miles northwest of Malad, and 9 miles by stream above confluence with Malad River.

Records available.- October 1931 to September 1935.

Extremes.- Maximum discharge observed during year, 16 second-feet Apr. 9 (gage height, 1.10 feet); minimum observed, 0.6 second-foot July 5, 20, 22.
1931-35: Maximum discharge observed, 20 second-feet Apr. 18, May 6, 1933; maximum gage height, 1.34 feet May 6, 1933; minimum discharge, 0.5 second-foot Sept. 10, 1934 (gage height, 0.11 foot).

Remarks.- Records good. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.6	*1.0	*1.0	1.2	1.1	*0.9	6.7	13	9.3	1.2	1.7	2.5
2	2.0	1.0	1.0	*1.1	*1.1	1.0	*6.2	13	9.7	1.1	1.9	2.3
3	3.4	.9	*1.1	1.0	1.1	1.0	5.8	12	9.3	1.0	2.2	2.4
4	3.5	1.4	1.2	*1.2	*1.2	*1.2	12	11	9.2	1.0	1.9	2.5
5	3.5	*1.3	*1.2	1.3	1.4	1.3	6.9	*8.6	6.4	.6	2.0	2.5
6	3.5	1.2	1.1	*1.3	*1.5	*1.3	4.9	6.1	4.9	.7	2.0	2.5
7	3.5	1.1	*1.0	1.3	1.6	1.3	*7.0	6.1	3.0	.7	1.9	2.5
8	3.5	1.4	1.0	*1.4	*1.4	*1.1	9.0	5.2	2.6	1.0	2.0	2.5
9	3.5	1.4	*1.0	1.4	1.1	.9	16	5.5	2.6	.7	1.9	2.6
10	3.5	1.4	1.0	*1.4	*1.0	*.9	11	5.8	3.9	1.3	1.8	2.8
11	3.3	*1.4	*1.0	*1.3	1.0	.9	8.8	6.1	3.4	1.3	1.8	2.4
12	3.5	1.4	1.0	1.3	*1.0	*1.0	8.1	*6.0	3.4	1.4	1.9	2.4
13	*3.4	1.4	*1.0	*1.2	1.0	1.1	9.2	5.8	1.2	1.1	1.8	2.4
14	3.3	1.4	1.1	1.0	*1.0	*1.1	*8.4	5.6	1.1	1.4	1.9	2.4
15	3.4	1.4	*1.2	*1.0	.9	*1.0	7.5	7.8	1.0	1.0	2.2	2.4
16	3.5	1.3	1.2	1.1	*.9	1.0	9.2	7.8	1.1	1.0	2.3	2.5
17	3.2	1.3	*1.2	*1.1	.9	2.5	7.2	7.8	1.0	.7	2.2	1.7
18	3.3	1.3	1.2	1.1	*.9	*2.8	5.4	11.0	3.3	.7	1.8	2.9
19	3.4	1.3	*1.3	1.0	.9	3.2	6.2	9.7	3.0	.8	1.9	2.9
20	3.4	1.2	1.4	1.3	*1.0	*3.5	6.4	8.6	1.1	.6	1.9	2.3
21	3.3	1.1	*1.4	*1.2	1.0	3.8	6.0	7.0	.7	.7	1.7	.8
22	3.3	*1.1	1.4	1.0	*1.0	*4.0	5.6	5.6	.7	.6	1.9	2.4
23	3.3	*1.0	*1.4	*1.1	1.0	4.1	*6.0	5.5	.7	.8	2.3	2.6
24	3.2	1.0	1.4	1.2	1.0	3.9	6.4	5.2	.8	1.7	2.3	2.9
25	3.5	1.0	*1.2	*1.2	*.9	*4.4	5.2	9.5	.8	1.5	2.5	3.0
26	1.8	1.0	1.1	1.1	.8	4.9	5.2	*9.0	1.1	1.7	2.5	2.6
27	*1.8	*1.0	*1.2	*1.1	*.8	*5.4	5.2	8.5	1.0	1.7	2.4	2.6
28	1.9	.9	1.3	1.1	.8	5.8	*6.4	5.2	2.0	1.7	2.5	2.8
29	1.6	*1.0	*1.3	*1.1	-	6.1	7.5	5.1	1.2	1.8	2.4	2.6
30	1.0	1.0	1.3	1.1	-	3.8	7.5	8.6	1.2	1.7	2.6	2.9
31	1.0	-	*1.2	*1.1	-	*5.2	-	9.7	-	1.7	2.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	90.9	3.5	1.0	2.93	180
November	35.6	1.4	.9	1.19	71
December	36.4	1.4	1.0	1.17	72
Calendar year 1934	831.8	5.0	.6	2.28	1,650
January	36.3	1.4	1.0	1.17	72
February	29.3	1.6	.8	1.05	58
March	80.4	6.1	.9	2.59	159
April	222.9	16	4.9	7.43	442
May	241.4	13	5.1	7.79	479
June	90.7	9.7	.7	3.02	180
July	34.9	1.8	.6	1.13	69
August	64.7	2.6	1.7	2.09	128
September	74.6	3.0	.8	2.49	148
Water year 1934-35	1,038.1	16	.6	2.84	2,060

*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 1935.

Extremes.- Maximum discharge observed during year, 23 second-feet Apr. 30, May 30 (gage height, 1.20 feet); minimum, 0.7 second-foot Oct. 2 (gage height, 0.12 foot).
1931-35: Maximum discharge, 64 second-feet May 14, 1932; minimum, 0.3 second-foot Aug. 29, 1934.

Remarks.- Records fair. Small diversions above station. Reservoir under construction at site above mouth of Third Creek, 2½ miles upstream.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Sept. 22-30)

0.1	0.5	.7	9.7
.2	1.4	.8	12.0
.3	2.6	.9	14.5
.4	4.0	1.0	17.2
.5	5.7	1.1	20.0
.6	7.6	1.2	22.9

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	0.8	1.1	1.8	1.4	2.2	3.7	7.2	21	19	11	8.0	2.4
2	.7	1.2	1.9	1.5	2.5	4.0	6.6	21	21	10	7.6	2.2
3	.9	1.3	2.0	1.6	2.6	3.6	6.3	20	22	10	7.4	2.1
4	.9	1.2	1.8	1.8	2.4	3.4	7.0	17	21	10	7.2	2.0
5	.8	1.0	1.6	1.9	2.6	3.2	7.6	18	20	9.9	6.8	1.9
6	.9	1.1	1.8	1.8	2.9	3.3	7.2	18	16	9.7	6.5	1.8
7	1.0	1.2	1.6	1.6	2.6	3.7	7.8	18	16	9.9	6.1	1.6
8	.9	1.1	1.5	1.8	2.4	3.2	9.7	19	17	9.7	2.7	1.5
9	.8	1.0	1.8	1.9	2.2	2.9	9.9	19	16	10	2.9	1.3
10	.9	1.1	1.6	2.0	2.4	3.0	9.1	19	16	9.5	2.9	1.4
11	1.0	1.2	1.9	2.2	2.5	3.2	9.3	20	15	9.7	2.6	1.2
12	.9	1.1	1.5	2.4	2.6	3.4	9.1	21	15	9.5	2.5	1.4
13	1.0	1.2	1.6	2.2	2.7	3.7	10	21	15	9.3	2.6	1.1
14	1.0	1.3	2.0	2.4	2.6	5.0	11	20	14	9.3	2.7	1.3
15	1.1	1.3	1.9	2.2	2.5	5.7	12	21	14	9.3	2.6	1.4
16	1.2	1.2	1.8	2.6	2.9	5.2	13	20	13	9.5	2.7	1.5
17	1.1	1.3	1.8	2.6	2.2	5.7	14	21	13	9.7	2.6	1.6
18	1.0	1.5	1.6	2.5	2.5	5.2	14	14	13	9.9	2.7	1.4
19	1.2	1.8	1.5	1.9	2.6	5.0	13	16	12	10	2.6	1.5
20	1.0	1.9	1.8	1.0	3.0	4.7	13	18	12	9.9	2.6	1.2
21	.9	2.0	1.9	1.4	3.6	4.5	13	21	12	9.7	2.7	1.3
22	1.0	1.8	1.8	1.8	3.4	4.8	14	20	12	9.9	2.6	1.5
23	1.1	1.6	1.9	1.9	3.3	5.0	15	20	12	9.7	2.7	1.4
24	1.0	1.8	1.9	2.0	3.2	5.9	12	21	13	9.9	2.6	1.3
25	1.0	1.9	1.8	2.1	3.0	6.6	13	22	12	10	2.6	1.4
26	.9	1.8	1.6	2.2	2.9	6.8	14	22	13	9.9	2.5	1.5
27	1.0	1.6	1.8	2.4	3.3	7.0	14	22	12	9.7	2.6	1.6
28	1.0	1.9	1.9	2.1	3.4	7.6	14	21	12	9.3	2.5	1.8
29	1.1	1.8	1.8	2.2	-	6.5	15	22	12	8.9	2.4	1.6
30	1.0	1.6	1.6	2.4	-	7.6	23	23	11	8.6	2.2	1.8
31	1.0	-	1.5	2.1	-	7.0	-	20	-	8.2	2.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	30.1	1.2	0.7	0.97	60
November	42.9	2.0	1.0	1.43	85
December	54.3	2.0	1.5	1.75	108
Calendar year 1934	766.3	5.5	.3	2.10	1,520
January	61.9	2.6	1.0	2.00	123
February	77.0	3.6	2.2	2.75	153
March	150.1	7.6	2.9	4.84	298
April	343.8	23	6.3	11.5	682
May	616	23	14	19.9	1,220
June	441	22	11	14.7	875
July	299.6	11	8.2	9.66	594
August	112.1	8.0	2.2	3.62	222
September	47.0	2.4	1.1	1.57	93
Water year 1934-35	2,275.8	23	.7	6.24	4,510

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. Prior to Oct. 26, 1933 (revised), staff gage a quarter of a mile downstream was used.

Drainage area.- 163 square miles.

Records available.- October 1904 to September 1935.

Average discharge.- 29 years (1906-35), 244 second-feet.

Extremes.- Maximum discharge during year ending Sept. 30, 1934 (revised), 610 second-feet May 9 (gage height, 2.96 feet); minimum, 26 second-feet Aug. 27 (gage height, 1.19 feet).

Maximum discharge during year ending Sept. 30, 1935, 3,190 second-feet June 13 (gage height, 4.60 feet); minimum recorded, 30 second-feet Oct. 10 (gage height, 1.24 feet).

1904-35: Maximum discharge observed, 4,000 second-feet July 6, 1907, and June 5-7, 1909; minimum, that of Aug. 27, 1934.

Remarks.- Records good except those for periods of ice effect, Jan. 18, 31, Feb. 1, 2, 11-13, Nov. 27-30, 1934, and those estimated, which are fair. No large diversions above gage. Flow regulated slightly by storage in Fish Lake and small reservoir on Smith and Morehouse Creeks. Total capacity of both reservoirs, about 1,500 acre-feet.

Discharge, in second-feet, water year October 1933 to September 1934

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	46	50	41	43	40	44	64	309	132	51	35	30
2	46	45	42	43	41	45	64	273	129	52	34	44
3	46	48	-	44	41	46	59	231	120	56	33	33
4	46	48	-	45	40	45	54	231	112	59	34	42
5	46	50	-	-	41	48	56	313	106	62	40	42
6	46	51	-	-	42	46	56	422	106	60	61	41
7	46	48	-	-	41	46	59	476	106	56	45	38
8	46	44	-	-	43	43	66	516	95	54	38	33
9	46	44	-	-	42	44	75	516	93	45	40	33
10	46	44	-	-	43	44	80	476	85	44	41	32
11	46	43	-	-	43	45	84	483	76	43	36	32
12	46	43	-	-	43	46	106	476	71	40	33	31
13	50	49	-	-	43	50	139	428	71	37	33	30
14	46	46	-	-	44	55	137	344	71	34	33	30
15	46	39	-	-	43	58	142	317	73	33	35	31
16	44	41	-	-	43	60	150	309	76	33	35	32
17	44	41	-	-	42	56	157	281	71	*33	34	31
18	44	41	-	†47	42	54	166	258	75	*34	33	30
19	44	44	-	-	43	58	203	238	82	*34	33	30
20	44	43	-	-	44	60	241	218	76	*35	33	31
21	44	43	-	-	44	64	288	182	*70	*35	33	29
22	44	43	-	-	43	68	326	174	65	*36	32	28
23	44	42	-	-	44	65	313	174	60	37	30	28
24	44	42	-	-	48	64	378	188	62	37	30	32
25	46	41	-	-	45	65	389	166	66	37	28	33
26	45	41	-	-	44	64	317	150	60	33	27	33
27	46	41	-	-	44	66	322	144	56	33	27	33
28	48	43	-	-	44	68	255	134	54	36	28	33
29	46	41	-	-	-	82	266	137	52	38	30	32
30	45	40	43	-	-	80	305	147	58	37	31	31
31	50	-	44	†40	-	75	-	132	-	38	30	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,416	50	44	45.7	2,810
November	1,319	51	39	44.0	2,620
December	1,302	-	-	*42	2,580
Calendar year 1933	68,568	2,200	-	188	136,400
January	1,333	-	-	*43	2,640
February	1,200	48	40	42.9	2,380
March	1,754	82	43	56.6	3,480
April	5,317	389	54	177	10,550
May	8,843	516	132	285	17,540
June	2,429	132	52	81.0	4,820
July	1,292	62	33	41.7	2,560
August	1,065	61	27	34.4	2,110
September	988	44	28	32.9	1,960
Water year 1933-34	28,258	516	27	77.4	56,050

*Estimated.
†Discharge measurement.

Note.- Revised records for water year 1933-34 supersede those published in Water-Supply Paper 765.

Weber River near Oakley, Utah

(Continued)

Rating tables, water years 1933-35 except periods of ice effect (gage height, in feet, and discharge, in second-feet)

Table for Oct. 26, 1933, to June 12, 1935

1.2	27	2.6	378
1.4	44	3.0	640
1.6	71	3.5	1,090
1.8	110	4.0	1,820
2.0	160	4.6	3,220
2.3	251		

Table for June 13, 1935, to Sept.30, 1935

1.1	47	2.5	386
1.2	60	2.6	557
1.4	92	3.0	870
1.6	134	3.5	1,420
1.8	186	4.0	2,140
2.0	254	4.6	3,190

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	31	*42					60	231	561	391	125	68
2	32	42					64	228	509	362	119	66
3	33	37					71	221	509	343	115	64
4	33	40					78	212	640	320	116	63
5	33	41					71	209	933	286	119	62
6	32	42					66	203	1,260	266	108	60
7	32	42					66	206	1,590	250	104	62
8	32	41					68	209	1,970	232	102	62
9	31	41					71	228	2,070	208	98	66
10	30	41					68	277	1,770	202	96	65
11	30	41					68	309	1,900	186	92	54
12	31	41					70	330	2,180	178	89	52
13	32	41					76	317	2,680	187	87	55
14	33	41					89	330	2,370	159	85	56
15	40	44					117	322	2,080	149	92	56
16	40	44					142	340	1,690	146	102	55
17	38	44					129	344	1,250	149	100	55
18	40	46					120	322	1,230	144	89	52
19	45	46					134	326	1,240	142	84	52
20	43	45					160	301	1,280	134	80	51
21	41	42					191	292	1,150	127	78	51
22	40	45					218	340	1,050	123	77	51
23	41	45					200	373	1,050	127	80	56
24	39	43					182	509	927	125	92	57
25	38	48					174	672	764	125	84	55
26	37	45					180	971	632	116	78	54
27	*37	45					200	1,050	571	108	75	52
28	*38	45					212	933	565	104	75	52
29	*39	45					225	754	495	106	74	52
30	*40	45					234	696	444	106	75	52
31	*41	-					-	595	-	108	72	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,122	45	30	36.2	2,230
November	1,290	48	37	43.0	2,560
December	1,395	-	-	*45	2,770
Calendar year 1934	28,028	516	27	76.8	55,600
January	1,395	-	-	*45	2,770
February	1,260	-	-	*45	2,500
March	1,550	-	-	*50	3,070
April	3,804	234	60	127	7,550
May	12,650	1,050	203	408	25,090
June	37,340	2,680	444	1,240	74,060
July	5,689	391	104	184	11,280
August	2,863	125	72	92.4	5,680
September	1,688	68	51	56.3	3,350
Water year 1934-35	72,046	2,680	30	197	142,900

*Estimated.

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 1935.

Extremes.- Maximum discharge during year, 1,800 second-feet June 13 (gage height, 4.23 feet); minimum, 8 second-feet Oct. 8 (gage height, -0.15 foot).
1927-35: 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 estimated for periods of ice effect, Nov. 30 to Feb. 21, Feb. 25-28, Mar. 9-12, which are fair. 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 two small reservoirs above station.

Rating table, water year 1934-35 except periods of ice effect (gage height, in feet, and discharge, in second-feet)

-0.2	7	0.8	108	2.5	740
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

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	10	38			-	134	153	400	817	141	52	34
2	10	52			-	186	143	373	650	104	53	33
3	10	46			-	196	143	351	532	76	52	33
4	10	54			-	153	213	313	554	73	55	32
5	9	66			-	123	163	296	705	79	81	28
6	10	70			-	108	163	302	938	76	59	27
7	9	57			-	86	174	299	1,130	72	54	30
8	9	52			-	93	179	292	1,320	70	52	34
9	9	53			-	80	176	254	1,480	66	47	35
10	9	52			-	90	196	238	1,600	66	45	32
11	9	51			-	110	235	278	1,600	60	42	32
12	9	49			-	120	199	324	1,600	57	40	31
13	12	49			-	158	161	373	1,670	51	36	29
14	12	49			-	306	161	306	1,610	47	37	28
15	14	49			-	360	179	271	1,540	44	36	27
16	17	49			-	158	229	278	1,380	44	44	29
17	15	51			-	158	264	336	1,030	44	52	29
18	16	67			-	163	261	317	878	35	45	27
19	28	78			-	153	229	336	822	32	41	26
20	35	72			-	134	251	324	850	30	42	27
21	32	69			-	134	288	235	806	32	41	25
22	33	63			118	125	358	292	690	31	41	24
23	38	63			125	123	389	354	675	30	47	26
24	42	69			114	156	377	448	610	35	51	30
25	40	63			-	179	336	590	509	36	51	30
26	38	67			-	190	306	916	424	40	49	28
27	36	59			-	139	313	1,120	313	40	45	28
28	36	66			-	127	347	1,160	251	44	43	30
29	34	67			-	151	362	1,020	193	57	40	31
30	32	60			-	161	412	938	163	53	41	32
31	34	-			-	151	-	856	-	52	36	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	657	42	9	21.2	1,300
November	1,750	78	38	58.3	3,470
December	2,325	-	-	75	4,610
Calendar year 1934	25,654	436	7	70.3	50,890
January	2,480	-	-	80	4,920
February	2,660	-	-	95	5,280
March	4,704	360	80	152	9,330
April	7,360	412	143	245	14,600
May	14,240	1,160	238	459	28,240
June	27,340	1,670	163	911	54,230
July	1,717	141	30	55.4	3,410
August	1,450	81	36	46.8	2,880
September	887	35	24	29.6	1,760
Water year 1934-35	67,570	1,670	9	185	134,000

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 1935.

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.

Contents, in acre-feet, water year, October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	2,680	6,650	11,590	16,860	26,440	42,320	72,120	70,740	44,120	20,020
2		0	2,730	6,740	11,730	17,140	26,750	43,100	72,190	70,030	43,390	19,420
3		140	2,810	6,820	11,900	17,500	27,060	43,900	72,410	69,250	42,600	18,860
4		197	2,900	6,940	12,080	17,880	27,460	44,570	72,620	68,410	41,760	18,320
5		275	2,990	7,070	12,230	18,180	27,960	45,200	72,990	67,570	41,050	17,780
6		392	3,060	7,280	12,370	18,460	28,320	45,770	72,990	66,740	40,280	17,280
7		485	3,130	7,430	12,550	18,640	28,720	46,400	72,620	65,910	39,520	16,700
8		565	3,210	7,640	12,760	18,790	29,090	47,040	72,260	65,220	38,720	16,140
9		625	3,300	7,820	12,980	18,980	29,450	47,620	72,410	64,390	37,930	15,570
10		685	3,360	8,040	13,190	19,120	29,910	48,270	72,850	63,570	37,050	15,000
11		740	3,420	8,240	13,380	19,300	30,320	49,040	72,990	62,750	36,180	14,440
12		788	3,520	8,460	13,570	19,520	30,790	49,820	72,780	61,940	35,280	13,920
13		836	3,600	8,630	13,790	19,750	31,070	50,900	72,850	61,060	34,390	13,600
14		899	3,740	8,750	13,980	20,180	31,540	51,820	73,060	60,200	33,450	13,540
15		984	3,880	8,920	14,180	20,930	31,870	52,560	72,990	59,270	32,480	13,410
16		1,060	4,140	9,120	14,380	21,400	32,300	53,250	73,060	58,340	31,640	13,260
17		1,130	4,340	9,250	14,480	21,750	32,870	54,070	73,140	57,360	30,740	13,040
18		1,220	4,500	9,410	14,600	22,070	33,450	54,960	73,660	56,440	29,910	12,920
19		1,360	4,610	9,580	14,770	22,390	33,990	*55,850	73,730	55,470	29,090	12,430
20		1,500	4,760	9,720	14,940	22,720	34,440	*56,730	73,730	64,520	28,270	11,650
21		1,650	4,970	9,800	15,200	23,000	34,930	57,620	73,660	53,500	27,460	10,920
22		1,780	5,160	9,880	15,440	23,290	35,630	58,400	73,660	52,560	26,700	10,300
23		1,900	5,360	10,010	15,700	23,550	36,390	59,340	73,730	51,640	25,920	9,720
24		1,980	5,520	10,160	15,970	23,800	37,360	60,460	73,730	50,720	25,170	9,120
25		2,100	5,680	10,350	16,180	24,140	37,980	61,800	73,730	49,830	24,440	8,630
26		2,210	5,800	10,540	16,310	24,520	38,670	63,640	73,430	48,920	23,760	8,180
27		2,300	5,950	10,730	16,450	24,910	39,260	65,910	73,060	48,040	23,090	7,710
28		2,400	6,090	10,900	16,620	25,170	39,900	68,820	72,550	47,160	22,430	7,280
29		2,480	6,280	11,090	-	25,430	40,610	70,460	72,120	46,340	21,790	6,800
30		2,580	6,410	11,260	-	25,780	41,380	71,180	71,460	45,600	21,160	6,390
31		-	6,520	11,420	-	26,130	-	71,760	-	44,850	20,540	-

*Interpolated.

Note.- No storage during October.

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 1935.

Extremes.- Maximum discharge during year, 2,100 second-feet June 5 (gage height, 5.60 feet); minimum daily discharge, 4 second-feet Mar. 26-28, Apr. 11, 12.
1927-35: Maximum discharge observed, 2,210 second-feet May 26, 1929; minimum daily discharge, 4 second-feet for several periods.

Remarks.- Records excellent. Numerous irrigation diversions above and below station. One small diversion between gage and Echo Dam. Flow regulated by Echo Reservoir.

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	16	44	27	24	10	8	8	6	838	538	488	345
2	16	39	27	26	10	9	5	5	726	533	506	341
3	15	31	27	26	10	6	5	5	580	528	524	324
4	16	27	27	26	11	4	5	5	528	528	533	311
5	15	26	27	20	18	4	5	6	83e	510	533	321
6	14	28	27	12	18	10	5	6	1,280	492	520	321
7	14	29	28	10	18	15	5	5	1,600	488	524	331
8	14	29	28	10	14	15	5	5	1,600	492	528	335
9	14	30	28	10	9	15	5	5	1,650	497	533	328
10	14	30	28	10	9	15	5	5	1,850	506	533	324
11	11	30	28	10	9	15	4	5	1,950	510	533	315
12	14	31	26	10	9	11	4	5	1,880	510	533	259
13	14	23	27	14	9	6	5	5	1,830	520	542	76
14	18	20	27	17	9	5	5	5	1,930	538	538	97
15	19	21	17	15	9	5	5	5	1,770	538	538	115
16	20	21	24	16	9	5	5	5	1,500	533	528	118
17	20	21	32	18	14	5	5	5	1,040	533	515	118
18	19	21	32	18	20	5	5	5	860	533	492	216
19	29	21	30	18	20	5	5	5	910	542	488	399
20	40	19	18	18	12	5	5	5	940	551	470	391
21	35	17	10	18	8	5	5	5	880	546	454	352
22	37	17	16	19	8	5	5	5	716	542	458	328
23	41	23	16	19	8	5	5	5	675	533	454	318
24	45	29	20	14	8	5	5	5	685	528	438	305
25	45	26	21	10	14	5	5	5	615	524	426	274
26	43	26	19	10	18	4	5	28	590	528	414	262
27	42	26	15	10	18	4	5	99	560	528	403	262
28	41	26	16	10	11	4	5	289	528	524	391	265
29	39	26	18	10	-	10	5	726	506	497	384	253
30	37	26	21	10	-	10	5	826	528	488	373	223
31	39	-	21	10	-	10	-	832	-	488	355	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	796	45	11	25.7	1,580
November	783	44	17	26.1	1,550
December	728	32	10	23.5	1,440
Calendar year 1934	34,080	387	4	93.4	67,590
January	468	26	10	15.1	928
February	340	20	8	12.1	674
March	235	15	4	7.6	466
April	151	6	4	5.0	300
May	2,928	832	5	94.5	5,810
June	32,403	1,950	506	1,080	64,270
July	16,146	551	488	521	32,030
August	14,949	542	355	482	29,650
September	8,227	399	76	274	16,320
Water year 1934-35	78,154	1,950	4	214	155,000

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, 1⅞ miles below Lost Creek, and 1½ miles west of Devils Slide. Prior to Oct. 1, 1934, staff gage was used 1½ miles upstream.

Drainage area.- 1,100 square miles.

Records available.- February 1905 to September 1935.

Average discharge.- 30 years, 484 second-feet.

Extremes.- Maximum discharge during year, 1,910 second-feet June 12 (gage height, 5.24 feet); minimum, 23 second-feet Oct. 12 (gage height, 0.56 foot).
1905-35: Maximum discharge observed, 6,000 second-feet May 22, 1920; minimum, 18 second-feet Sept. 23, 1934.

Remarks.- Records good. Discharge estimated for periods of ice effect, Dec. 3-13, Dec. 31 to Jan. 12, Jan. 20-25. Numerous diversions above station for irrigation and domestic use. Flow regulated by storage in Echo Reservoir.

Rating table, water year 1934-35 except periods of ice effect (gage height, in feet, and discharge, in second-feet)

0.6	24	1.8	146	3.3	665
.7	27	2.0	188	3.6	830
.8	31	2.2	236	4.0	1,080
1.0	42	2.4	292	4.5	1,400
1.2	58	2.6	356	5.0	1,740
1.4	80	2.8	431	5.5	2,090
1.6	110	3.0	518		

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	26	48	47	43	41	53	60	190	974	575	460	356
2	26	57	47	43	41	54	57	160	884	570	452	349
3	26	47	47	43	42	55	58	140	729	575	460	340
4	26	48	47	43	42	48	70	127	665	575	465	323
5	26	43	46	43	45	44	76	124	878	565	469	330
6	26	44	49	42	54	40	68	140	1,280	546	465	336
7	26	45	49	41	54	50	64	184	1,570	537	465	346
8	25	45	49	40	58	54	65	224	1,560	542	478	353
9	25	46	48	40	51	46	67	236	1,590	537	486	353
10	25	45	48	41	47	43	67	258	1,760	523	504	349
11	25	46	48	42	46	46	63	255	1,880	523	509	343
12	25	46	50	43	44	53	61	252	1,840	514	514	326
13	24	52	52	44	46	56	63	211	1,760	523	518	100
14	25	36	53	50	46	72	66	190	1,670	537	523	96
15	26	36	52	48	41	90	75	193	1,780	532	523	115
16	27	37	42	45	37	62	94	195	1,510	527	518	124
17	27	38	54	44	38	52	99	175	1,130	527	509	124
18	27	38	54	48	53	50	93	160	890	527	491	190
19	29	41	52	45	56	50	91	158	920	527	486	396
20	40	40	53	45	59	48	107	152	962	532	473	415
21	40	36	42	45	60	46	152	140	890	527	460	378
22	40	35	47	45	52	44	209	142	762	523	460	349
23	42	38	40	45	51	43	202	140	702	514	465	343
24	47	48	48	44	49	46	170	118	707	509	444	333
25	48	47	49	42	40	45	150	102	655	509	439	304
26	50	49	46	41	46	47	140	94	629	504	423	283
27	48	47	44	41	49	43	154	152	594	500	415	280
28	47	50	46	41	53	41	181	266	570	496	400	283
29	47	51	43	40	-	47	197	813	551	482	392	286
30	46	46	43	41	-	54	204	938	560	465	385	239
31	46	-	43	43	-	60	-	950	-	465	374	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,033	50	24	33.3	2,050
November	1,325	57	35	44.2	2,630
December	1,480	54	40	47.7	2,940
Calendar year 1934	39,412	406	18	108	78,180
January	1,341	50	40	43.3	2,660
February	1,341	60	37	47.9	2,660
March	1,582	90	40	51.0	3,140
April	3,225	209	57	108	6,400
May	7,579	950	94	244	15,030
June	33,052	1,880	551	1,100	65,560
July	16,308	575	465	526	32,350
August	14,425	523	374	465	28,610
September	8,732	415	96	291	17,320
Water year 1934-35	91,423	1,880	25	250	181,400

130346 O—37——3

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 1935. October 1889 to July 1903 comparable records at station 1 mile downstream, known as Weber River near Uinta.

Average discharge.- 15 years (1920-35), 617 second-feet.

Extremes.- Maximum discharge during year, 2,180 second-feet June 12 (gage height, 4.29 feet); minimum recorded, 47 second-feet Oct. 13 (gage height, 0.25 foot).
1889-1903, 1919-35: Maximum discharge, 7,980 second-feet May 31, 1896; minimum, 45 second-feet Sept. 24, 1934.

Remarks.- Records good. Discharge estimated for periods of ice effect, Jan. 2-5, 21-23; also estimated Oct. 14-16, Dec. 6, Apr. 2, 3, 7-10, 12, 15-18, because of missing record. Numerous diversions for irrigation above and below station. Flow affected by storage in East Canyon Creek and Echo Reservoirs.

Rating table, water year 1934-35 except periods of ice effect (gage height, in feet, and discharge, in second-feet) (Shifting-control method used Dec. 20 to May 17)

0.2	42	1.3	290	3.5	1,570
.4	64	1.6	410	4.0	1,950
.6	96	2.0	595	4.5	2,350
.8	138	2.5	890		
1.0	191	3.0	1,220		

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	53	89	94	94	93	112	169	656	1,370	585	491	372
2	53	100	93	93	93	116	190	555	1,350	580	486	372
3	53	104	93	92	91	131	210	491	1,180	590	478	360
4	54	100	93	92	91	125	320	446	1,120	590	482	344
5	52	94	96	93	91	114	242	424	1,090	580	496	336
6	50	91	96	94	104	106	210	473	1,520	560	491	344
7	49	89	96	91	106	106	185	565	1,830	550	486	348
8	50	88	91	89	123	112	220	650	1,850	536	504	364
9	49	86	89	89	129	102	230	710	1,850	536	514	360
10	48	84	91	89	120	102	210	800	1,980	540	527	360
11	48	84	89	94	108	100	180	800	2,130	540	527	356
12	48	84	89	96	104	104	170	806	2,130	536	532	344
13	47	84	89	89	104	123	188	662	1,980	532	532	232
14	48	84	94	88	104	185	219	606	2,060	555	532	171
15	50	81	108	100	102	259	280	606	2,050	555	532	183
16	52	81	110	98	94	200	420	639	1,770	540	532	188
17	53	82	104	93	89	163	400	634	1,440	536	532	188
18	53	89	106	98	93	153	350	585	1,000	532	514	185
19	59	96	102	96	100	148	317	585	1,070	532	491	320
20	60	96	116	93	106	143	356	580	1,060	536	486	410
21	66	93	118	93	123	136	468	560	1,010	545	468	385
22	73	88	106	92	125	129	580	595	944	540	468	364
23	76	88	106	93	118	134	656	606	782	545	491	360
24	81	88	106	94	116	143	585	585	812	536	491	372
25	84	94	104	93	102	158	504	570	752	536	468	356
26	86	100	102	91	100	174	460	545	728	532	464	328
27	88	96	102	89	104	143	473	570	680	522	446	320
28	88	96	104	89	110	134	527	639	656	527	428	317
29	84	96	102	89	-	163	560	1,080	606	527	419	324
30	82	91	93	91	-	183	617	1,360	580	500	410	298
31	82	-	96	91	-	183	-	1,340	-	491	397	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,921	88	47	62.0	3,810
November	2,716	104	81	90.5	5,390
December	3,078	118	89	99.3	6,110
Calendar year 1934	58,514	397	46	160	116,100
January	2,866	100	88	92.5	5,680
February	2,943	129	89	105	5,840
March	4,386	259	100	141	8,700
April	10,496	656	169	350	20,820
May	20,723	1,360	424	668	41,100
June	39,380	2,130	580	1,313	78,110
July	16,842	590	491	543	33,410
August	15,115	532	397	488	29,960
September	9,561	410	171	319	18,960
Water year 1934-35	130,027	2,130	47	356	257,900

Weber River near Plain City, Utah

Location.- Chain gage, lat. 41°16'42", long. 112°5'30", in NW¼NE¼ sec. 8 (revised), T. 6 N., R. 2 W., at county highway bridge 6 miles above mouth, 1⅛ miles (revised) south of Plain City, and 1 mile below mouth of Fourmile Creek.

Drainage area.- 2,060 square miles.

Records available.- May 1905 to September 1935. Records obtained in 1904 by State engineer.

Average discharge.- 28 years (1906-19, 1920-35), 834 second-feet.

Extremes.- Maximum discharge observed during year, 1,620 second-feet May 31 (gage height, 10.48 feet); minimum discharge, 1 second-foot Oct. 7-10.
1904-35: 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 poor. 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.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used June 1 to Sept. 30)

1.3	1	2.6	40	5.0	282	8.5	1,020
1.4	2	2.8	52	5.5	362	9.0	1,170
1.6	5	3.0	65	6.0	450	9.5	1,320
1.8	9	3.3	87	6.5	547	10.0	1,470
2.0	15	3.6	113	7.0	652	10.5	1,620
2.2	22	4.0	152	7.5	767		
2.4	30	4.5	211	8.0	890		

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	26	46	132	158	186	290	507	1,440	1,530	23	6	5
2	23	39	122	180	186	297	527	1,260	1,530	20	5	*4
3	4	40	*150	142	186	362	588	1,110	1,380	20	5	4
4	3	41	180	186	186	345	697	915	1,290	*20	5	4
5	2	44	168	*200	186	329	743	840	965	19	5	6
6	2	37	152	211	186	313	588	840	1,320	19	5	7
7	1	33	152	204	231	282	527	743	1,410	19	5	7
8	1	34	142	180	282	297	547	940	1,380	17	5	8
9	1	35	132	180	297	282	609	1,200	1,260	16	5	8
10	1	27	142	180	267	260	720	1,350	1,290	14	6	7
11	20	28	218	198	260	245	652	1,350	1,290	12	5	8
12	19	28	245	198	252	260	609	1,320	1,260	9	5	9
13	23	27	274	211	245	305	630	1,050	1,110	9	5	9
14	20	27	192	186	252	379	720	915	1,140	9	5	16
15	24	25	252	166	238	609	815	840	1,140	9	7	9
16	25	26	274	204	231	527	965	815	965	9	5	6
17	25	26	252	198	192	507	1,080	840	630	9	4	6
18	24	37	231	198	218	547	940	791	354	9	5	6
19	24	47	224	196	238	469	890	743	354	9	17	7
20	28	54	224	142	245	469	865	791	354	9	8	10
21	29	65	297	93	260	450	1,260	674	362	9	5	11
22	31	57	252	137	274	469	1,470	630	211	9	4	12
23	35	65	260	192	282	469	1,530	652	147	8	5	12
24	38	87	231	192	282	469	1,410	630	82	9	6	21
25	34	93	224	168	260	441	1,170	527	73	7	8	24
26	33	104	218	186	245	527	1,080	527	64	6	6	24
27	35	108	192	174	245	488	965	527	48	5	6	25
28	33	108	198	180	260	450	990	588	50	5	5	26
29	31	108	231	186	-	488	1,170	697	40	5	4	31
30	30	127	204	186	-	527	1,290	1,290	28	9	4	33
31	30	-	186	186	-	547	-	1,620	-	9	4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	655	38	1	21.1	1,300
November	1,623	127	25	54.1	3,220
December	6,351	297	122	205	12,600
Calendar year 1934	30,666	297	1	84.0	60,820
January	5,620	211	93	181	11,150
February	6,672	297	186	238	13,230
March	12,699	609	245	410	25,190
April	26,554	1,530	507	885	52,670
May	28,455	1,620	527	918	56,440
June	23,057	1,530	28	735	45,730
July	361	23	5	11.6	716
August	175	17	4	5.6	347
September	365	33	4	12.2	724
Water year 1934-35	112,587	1,620	1	308	223,300

*Interpolated.

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 1935.

Extremes.- Maximum discharge during year, 392 second-feet June 9 (gage height, 2.18 feet); minimum, 1 second-foot or less for several days during October and November. 1927-35: Maximum discharge, 696 second-feet May 4, 1929 (gage height, 4.0 feet); minimum, 1 second-foot or less for several days June to November 1934.

Remarks.- Records fair. Discharge estimated Nov. 15 and 16. No diversions below station. Flow regulated by irrigation diversions above.

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	1	1	7	9	11	16	26	75	237	56	15	12
2	1	2	7	10	10	19	26	66	239	54	14	12
3	1	2	8	10	10	16	32	60	243	50	14	12
4	1	2	8	10	10	12	48	54	262	49	14	12
5	1	2	8	10	10	10	41	52	295	49	14	12
6	1	3	7	12	12	10	31	58	318	48	13	11
7	1	3	7	12	14	10	29	62	332	42	13	11
8	1	3	7	12	16	11	30	67	339	37	12	10
9	1	3	7	12	14	10	33	88	346	34	12	10
10	1	3	7	13	12	10	31	138	330	36	11	10
11	1	4	7	14	12	10	27	167	307	32	10	10
12	1	4	7	10	12	14	28	174	268	28	10	9
13	1	4	8	10	14	28	32	160	260	26	10	10
14	1	4	9	13	12	33	39	129	243	26	10	10
15	1	4	10	13	9	29	45	120	224	24	11	9
16	1	4	11	12	9	16	55	142	207	24	10	9
17	1	4	11	12	11	15	54	185	176	24	9	9
18	1	5	10	12	12	17	45	151	158	22	9	8
19	1	7	10	11	13	17	50	153	147	23	10	9
20	1	7	11	10	16	14	54	162	137	21	10	8
21	1	7	13	10	21	14	54	140	124	19	10	8
22	1	7	12	10	14	14	68	167	113	17	10	8
23	1	7	10	10	16	12	67	211	108	15	11	8
24	1	8	11	12	12	15	61	247	100	14	12	8
25	1	7	12	12	7	17	58	272	90	14	12	7
26	1	8	10	12	10	21	52	310	79	14	12	7
27	1	5	12	12	11	16	54	299	75	15	12	7
28	1	4	12	12	15	16	64	295	67	15	12	7
29	1	7	10	12	-	20	71	256	62	15	12	8
30	1	6	10	12	-	26	81	258	62	15	12	9
31	1	-	10	12	-	25	-	239	-	15	13	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	31	1	1	1.0	61
November	137	8	1	4.6	272
December	289	13	7	9.3	573
Calendar year 1934	2,621	22	1	7.2	5,190
January	353	14	9	11.4	700
February	345	21	7	12.3	684
March	513	33	10	16.5	1,020
April	1,386	81	26	46.2	2,750
May	4,937	310	52	159	9,790
June	5,948	346	62	198	11,800
July	873	56	14	28.2	1,730
August	359	15	9	11.6	712
September	280	12	7	9.3	555
Water year 1934-35	15,451	346	1	42.3	30,650

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., half a 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 1935.

Average discharge.- 14 years, 105 second-feet.

Extremes.- Maximum discharge during year, 516 second-feet May 10 (gage height, 3.03 feet); minimum daily discharge, 25 second-feet Oct. 1.
1921-35: Maximum discharge, 1,480 second-feet May 14, 1932; minimum, 20 second-feet Nov. 25, 1931, and July 28, 1934.

Remarks.- Records good. Discharge estimated for periods of ice effect Dec. 2-6, 11-13, 31, Jan. 1-6, 15-27. No important diversions above gage.

Rating table, water year 1934-35 except periods of ice effect (gage height, in feet, and discharge, in second-feet)

0.9	25	2.0	192
1.0	32	2.2	244
1.2	50	2.4	302
1.4	74	2.6	366
1.6	106	2.8	435
1.8	146	3.0	505

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	25	34	31	34	44	48	80	321	228	57	33	28
2	26	33	30	34	43	51	78	281	222	53	33	29
3	27	32	32	34	44	54	84	252	220	52	33	29
4	27	35	34	34	45	52	99	233	210	51	34	28
5	27	34	34	36	43	51	99	233	207	50	33	28
6	27	33	36	36	43	47	94	296	200	48	31	27
7	27	33	36	36	45	45	91	383	190	46	31	28
8	27	32	34	35	50	44	96	414	180	45	31	29
9	27	32	36	36	50	42	110	418	170	45	31	28
10	27	31	35	37	50	47	110	488	161	44	30	28
11	27	31	35	38	50	43	108	460	153	43	30	27
12	28	31	35	38	49	44	110	428	144	41	30	26
13	28	31	35	38	48	52	127	369	136	40	30	26
14	28	31	35	38	47	64	157	346	127	40	30	27
15	30	31	37	38	45	78	220	346	119	39	30	27
16	29	30	36	38	51	70	269	373	110	39	30	27
17	29	30	35	38	51	68	220	373	104	38	31	28
18	29	33	34	38	47	66	192	346	99	38	31	28
19	35	34	34	38	45	65	222	340	92	38	31	28
20	32	34	36	36	45	62	287	324	89	38	31	28
21	31	33	35	36	48	62	363	305	86	38	30	28
22	31	33	34	36	50	62	393	302	80	38	30	27
23	32	32	34	38	51	62	346	336	77	38	32	28
24	30	31	34	38	50	64	296	340	73	36	31	29
25	31	31	34	38	49	64	275	336	69	35	30	29
26	31	32	34	38	49	74	272	333	66	35	29	28
27	32	30	34	38	48	70	305	321	62	34	29	28
28	32	31	34	39	49	65	353	305	60	34	29	29
29	32	30	34	40	-	70	376	278	59	34	28	30
30	32	30	34	41	-	83	369	258	58	34	28	30
31	32	-	34	43	-	86	-	236	-	34	28	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	908	35	25	29.3	1,800
November	958	35	30	31.9	1,900
December	1,065	37	30	34.4	2,110
Calendar year 1934	12,807	89	22	35.1	25,400
January	1,155	43	34	37.3	2,290
February	1,329	51	43	47.5	2,640
March	1,855	86	42	59.8	3,680
April	6,201	393	78	207	12,300
May	10,374	488	233	335	20,580
June	3,851	228	58	128	7,640
July	1,275	57	34	41.1	2,530
August	948	34	28	30.6	1,880
September	840	30	26	28.0	1,670
Water year 1934-35	30,759	488	25	84.3	61,020

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., at bridge 300 feet below Utah Power & Light Co.'s dam and 6½ miles northeast of Ogden.

Records available.- 1895-96, January 1904 to October 1912, October 1931 to September 1935.

Average discharge.- 11 years (1904-9, 1910-12, 1931-35), 254 second-feet.

Extremes.- Maximum discharge during year 1,130 second-feet May 11 (gage height, 8.95 feet); minimum mean daily discharge, about 4 second-feet for several days during October.

1904-12, 1932-35: Maximum observed discharge, 3,260 second-feet Feb. 5, 1907; 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. For Oct. 1-12, 18-20 an average discharge of 4 second-feet, or about 120 acre-feet were diverted through the Utah Power & Light Co.'s pipe line for power development 300 feet above station and should be added to obtain records comparable with those of 1895-96, 1904-12. The erratic flow during October and November was caused by the starting of construction work at Pine View Dam a short distance above the gaging station. Low-water flow regulated by diversion dam; also affected by municipal and irrigation diversions. Records of daily discharge furnished by U. S. Bureau of Reclamation from Jan. 1 to Sept. 30.

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	9	32	-	31	39	102	224	993	615	81	34	25
2	8	37	-	31	41	122	218	805	575	78	31	26
3	8	33	-	31	43	140	263	718	555	78	31	26
4	8	51	-	31	44	127	357	645	538	73	31	26
5	12	33	-	31	46	100	302	636	530	75	33	25
6	11	17	-	32	50	86	260	711	519	77	33	24
7	5	21	*28	33	53	82	246	846	455	67	29	27
8	0	72	-	34	56	76	306	957	401	63	28	28
9	0	32	-	34	60	70	357	1,010	362	64	26	27
10	0	24	-	35	63	76	338	1,090	327	62	27	28
11	0	20	-	36	67	70	290	1,060	266	59	27	27
12	0	19	-	36	66	76	284	1,020	216	56	26	27
13	10	23	-	37	76	109	334	870	179	58	27	27
14	22	23	-	38	72	169	411	766	150	49	27	27
15	18	†28	-	38	65	266	534	740	126	48	28	26
16	13	34	-	38	63	190	727	756	121	47	27	25
17	5	36	*34	38	61	180	652	766	113	46	28	25
18	0		-	38	63	183	542	695	110	45	28	24
19	0		-	38	65	171	534	663	110	45	27	24
20	0		-	37	70	167	663	651	101	44	26	24
21	1			37	79	164	959	597	92	44	26	25
22	26		-	37	88	156	1,060	606	99	44	26	25
23	42		-	37	91	146	1,010	642	98	43	25	26
24	31	†30	-	37	85	179	836	657	92	42	33	34
25	30		-	37	73	185	718	636	94	43	30	37
26	29		-	37	73	205	657	627	94	38	28	31
27	18		-	37	74	174	692	639	87	36	27	29
28	25		-	37	88	169	805	708	88	36	26	30
29	28		-	38	-	190	870	654	85	38	25	31
30	28		-	38	-	224	1,000	630	80	36	25	31
31	28		-	38	-	254	-	600	-	34	25	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	415	42	0	13.4	823
November	925	72	-	30.8	1,830
December	930	-	-	†30	1,840
Calendar year 1934	2,913	72	0	8.0	5,770
January	1,107	38	31	35.7	2,200
February	1,814	91	39	64.8	3,600
March	4,608	266	70	149	9,140
April	16,449	1,060	218	548	32,630
May	23,394	1,090	597	755	46,400
June	7,278	615	80	243	14,440
July	1,648	81	34	53.2	3,270
August	870	34	25	28.1	1,730
September	817	37	24	37.2	1,620
Water year 1934-35	60,255	1,090	0	165	119,500

*Discharge measurement.
†Estimated.

Jordan River at Narrows, near Lehi, Utah

Location.- Water-stage recorder, lat. 40°26'40", long. 111°55'20", in SE¼NW¼ sec. 26, T. 4 S., R. 1 W., at Narrows, 5⅔ miles northwest of Lehi. Prior to Oct. 1, 1934, recording gage was used at outlet of Utah Lake 7½ miles upstream.

Drainage area.- 2,610 square miles.

Records available.- October 1934 to September 1935. Records May to December 1904, July 1913 to September 1934 at outlet of Utah Lake, 7½ miles upstream, practically comparable with those for present site.

Average discharge.- 22 years (1913-35), 402 second-feet.

Extremes.- Maximum daily discharge during year, 486 second-feet May 17; no flow Oct. 16. 1913-35: Maximum daily discharge, 1,370 second-feet June 8, 1923 (gage height, 7.78 feet, at former site).

Remarks.- Records good. Discharge estimated Oct. 18 to May 9. Records give the combined flow of Jordan River, Utah & Salt Lake Canal, and East Jordan Canal. Water-stage recorders operated on the canals.

Discharge, in second-feet, of Jordan River, Utah & Salt Lake Canal, and East Jordan Canal near Lehi, Utah, water year October 1934 to September 1935.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	171							3	5	345	183	168
2	144							3	43	371	16	68
3	151							3	202	372	158	11
4	148							3	215	358	239	125
5	149							3	216	346	230	182
6	151							3	236	339	228	177
7	155							3	251	342	229	176
8	150							3	343	347	221	132
9	134							3	365	379	220	109
10	107							8	367	367	219	107
11	79							111	367	353	222	108
12	83							219	370	332	201	108
13	82							356	367	321	199	105
14	78							424	366	332	203	103
15	56							446	364	338	212	99
16	0							478	364	338	224	84
17	12							486	365	314	168	53
18	6							388	365	310	158	40
19	6							329	368	319	190	16
20	6							369	360	323	181	9
21	6							389	360	325	183	19
22	6							403	361	325	202	48
23	6							428	360	325	205	53
24	6							392	357	325	201	48
25	6							392	355	319	193	27
26	6							402	350	315	193	8
27	6							380	349	273	174	8
28	6							425	351	258	177	8
29	6							413	347	258	183	6
30	6							169	335	264	186	22
31	6							4	-	258	184	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,934	171	0	62.4	3,840
November	195	-	-	6.5	387
December	186	-	-	6.	369
Calendar year 1934	45,446	648	-	125	90,160
January	186	-	-	6.	369
February	168	-	-	6.	333
March	155	-	-	5.	307
April	90	-	-	3.	179
May	7,438	486	3	240	14,750
June	9,424	370	5	314	18,690
July	10,091	379	258	326	20,020
August	5,982	239	16	193	11,870
September	2,227	182	6	74.2	4,420
Water year 1934-35	38,076	486	0	104	75,530

Salt Creek near Nephi, Utah

Location.- Staff gage, 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, 2½ miles below mouth of South Fork, and 3½ miles east of Nephi.

Drainage area.- 95 square miles.

Records available.- April 1925 to September 1935.

Average discharge.- 10 years, 22.8 second-feet.

Extremes.- Maximum discharge observed during year, 260 second-feet Aug. 31; minimum mean daily discharge, 3 second-feet Dec. 2, 4.
1925-35: Maximum discharge observed, about 800 second-feet July 17, 1932; minimum mean daily discharge that of Dec. 2, 4, 1935.

Remarks.- Records fair. There are a few small diversions above station. Discharge based on formula for 7-foot Parshall flume.

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	4	5	4	5	6	7	8	46	67	47	19	17
2	5	4	3	5	6	7	8	40	65	42	18	16
3	4	5	4	5	6	7	9	38	69	42	17	15
4	5	5	3	5	7	8	14	35	79	40	17	15
5	4	5	4	6	6	7	16	36	95	40	17	15
6	5	4	4	6	7	7	15	42	111	36	16	14
7	4	5	4	6	7	7	17	44	117	38	15	14
8	5	4	5	7	7	7	17	47	120	38	15	14
9	5	5	5	6	6	7	17	50	119	36	15	14
10	5	4	5	7	7	7	20	52	114	31	21	14
11	5	5	5	6	7	7	20	55	116	31	16	13
12	5	4	5	6	7	8	20	54	118	30	16	13
13	5	5	6	6	7	8	22	47	121	30	15	13
14	5	4	8	6	6	8	27	48	123	28	16	13
15	5	5	7	6	6	7	49	48	116	28	18	13
16	5	4	7	6	6	7	48	50	94	27	16	13
17	5	5	6	7	7	7	38	51	77	27	30	13
18	6	6	6	6	7	7	33	49	76	27	22	12
19	5	5	6	5	7	7	35	44	78	25	19	12
20	5	5	7	5	7	8	38	40	80	25	19	12
21	5	4	7	4	7	7	47	38	78	24	19	12
22	5	5	6	5	7	8	62	43	71	24	18	12
23	4	4	7	5	7	7	53	50	70	23	24	17
24	5	5	6	5	7	8	43	61	69	22	19	16
25	4	4	6	6	6	8	38	64	62	22	18	15
26	5	4	6	6	7	8	37	84	56	21	18	14
27	4	4	6	7	7	8	41	91	57	19	18	14
28	5	4	6	7	7	8	46	125	55	20	18	13
29	4	4	5	6	-	8	54	88	51	20	18	13
30	5	4	5	7	-	8	50	91	50	19	18	13
31	4	-	6	6	-	8	-	72	-	19	50	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	147	6	4	4.7	292
November	136	6	4	4.5	270
December	170	8	3	5.5	337
Calendar year 1934	2,924	75	3	8.0	5,800
January	181	7	4	5.8	359
February	187	7	6	6.7	371
March	231	8	7	7.5	458
April	942	62	8	31.4	1,870
May	1,723	125	35	55.6	3,420
June	2,574	123	50	85.8	5,110
July	903	47	19	29.1	1,790
August	595	50	15	19.2	1,130
September	414	17	12	13.8	821
Water year 1934-35	8,203	125	3	22.5	16,280

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., a quarter of a mile below North Fork, three-quarters of a mile above South Fork, and 3,000 feet northeast of Forks and Vivian Park.

Drainage area.- 600 square miles.

Records available.- November 1911 to September 1935. Records have been obtained at various points below mouth of South Fork since 1890.

Average discharge.- 23 years (1912-35), 361 second-feet.

Extremes.- Maximum discharge during year, 1,780 second-feet June 11 (gage height, 5.60 feet); minimum, 68 second-feet Oct. 9 (gage height, 1.45 feet).
1911-35: Maximum discharge observed, 3,180 second-feet June 11, 1921; minimum, 49 second-feet July 17, 1934.

Remarks.- Records good. Stage discharge relation affected by ice Jan. 1-6, 22, 23. 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 table, water year 1934-35 except period of ice effect (gage height, in feet, and discharge, in second-feet)

1.4	61	3.0	432
1.6	92	3.5	610
1.8	127	4.0	825
2.0	167	4.5	1,080
2.3	236	5.0	1,380
2.6	314	5.5	1,710
		6.0	2,060

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	73	99	163	*160	167	194	182	207	602	320	196	140
2	76	99	156	*150	167	194	180	178	545	300	194	140
3	76	97	150	*160	167	200	185	167	575	287	182	136
4	76	106	154	*160	167	198	226	161	658	266	180	131
5	74	102	159	*200	174	182	212	152	807	256	182	129
6	74	102	159	*190	182	171	207	148	1,020	244	171	131
7	74	104	161	178	196	176	198	150	1,250	238	161	135
8	70	106	159	176	241	180	217	156	1,420	226	150	148
9	70	107	163	176	229	165	226	182	1,540	219	156	142
10	72	107	159	196	207	171	219	266	1,600	217	152	138
11	73	106	159	203	194	169	210	336	1,660	219	150	136
12	73	106	161	191	196	180	194	365	1,540	231	152	135
13	73	106	165	174	200	198	187	395	1,510	244	150	131
14	74	106	234	178	191	219	167	322	1,460	241	144	125
15	82	106	306	185	182	241	174	309	1,280	231	142	122
16	81	107	256	174	167	207	178	314	1,090	217	154	120
17	79	111	219	169	174	196	196	392	905	212	159	122
18	81	150	203	180	182	196	182	368	744	210	156	122
19	89	163	185	178	187	196	156	336	666	205	150	120
20	86	144	203	150	205	194	142	328	618	200	150	120
21	84	138	200	156	229	189	152	320	567	203	152	120
22	84	136	196	180	212	185	191	336	556	205	156	123
23	84	135	185	200	207	182	238	468	506	205	156	125
24	84	136	182	205	196	182	266	598	432	205	159	129
25	84	136	182	203	167	187	222	682	377	196	*152	131
26	84	138	169	205	176	200	176	794	356	189	146	129
27	86	133	180	205	180	191	169	930	349	185	146	129
28	86	136	182	203	187	176	171	990	342	189	144	129
29	87	138	178	194	-	171	180	866	322	205	144	127
30	87	150	169	174	-	185	198	802	317	198	144	127
31	89	-	174	171	-	189	-	694	-	198	142	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,465	89	70	79.5	4,890
November	3,610	163	97	120	7,160
December	5,671	306	150	183	11,250
Calendar year 1934	45,479	306	54	125	90,210
January	5,624	205	150	181	11,160
February	5,329	241	167	190	10,570
March	5,864	241	165	189	11,630
April	5,801	266	142	193	11,510
May	12,712	990	148	410	25,210
June	25,633	1,660	317	854	50,840
July	6,961	320	185	225	13,810
August	4,872	196	142	157	9,660
September	3,892	148	120	130	7,720
Water year 1934-35	88,434	1,660	70	242	175,400

*Estimated.

Weber-Provo diversion canal near Woodland, Utah

Location.- Parshall measuring 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 4½ miles northwest of Woodland.

Records available.- October 1931 to September 1935.

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

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								0	0	137		
2								0	26	114		
3								0	90	90		
4								0	120	70		
5								0	120	58		
6								0	132	48		
7								0	136	33		
8								0	138	20		
9								8	136	15		
10								45	135	23		
11								47	140	31		
12								55	140	30		
13								57	143	27		
14								62	138	22		
15								82	138	18		
16								82	133	13		
17								81	131	10		
18								86	128	6		
19								84	130	2		
20								64	132	0		
21								80	128	0		
22								82	130	0		
23								81	131	0		
24								84	130	0		
25								87	128	0		
26								0	130	0		
27								0	135	0		
28								0	137	0		
29								0	149	0		
30								0	147	0		
31								0	-	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 1934	1,244	108	0	3.4	2,470
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	1,187	87	0	38.3	2,350
June	3,731	149	0	124	7,400
July	767	137	0	24.7	1,520
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	5,685	149	0	15.6	11,270

Note.- No water being diverted from Weber River during periods of no flow.

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 half a mile above confluence with Provo River.

Drainage area.- 30 square miles.

Records available.- November 1911 to September 1935.

Average discharge.- 23 years (1912-35), 30.9 second-feet.

Extremes.- Maximum discharge during year, 32 second-feet June 11 (gage height, 0.96 foot); minimum daily discharge, 13 second-feet for several days during October and July.
1911-35: Maximum discharge observed, 123 second-feet May 27, 1922; minimum, 13 second-feet several times in 1934 and 1935.

Remarks.- Records fair. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	16	*14	17	*17	*15	15	*18	*22	16	16	17
2	13	16	*14	17	*17	*15	14	18	*22	15	16	18
3	14	15	*14	17	*17	*15	15	18	*22	15	16	18
4	14	15	*14	17	*17	*15	16	18	*24	15	17	18
5	14	*15	*15	16	*17	*15	16	18	26	14	18	18
6	14	*16	*15	16	*17	*15	*16	18	*26	14	17	18
7	14	16	*15	16	17	*15	*16	18	26	14	18	18
8	13	16	*15	16	17	*15	*16	18	27	14	17	18
9	*13	15	*15	16	17	*15	*16	19	28	14	16	18
10	*14	15	*16	16	17	*15	*16	19	30	14	16	18
11	*14	15	*16	16	17	*15	*15	18	30	14	16	18
12	*14	15	*16	16	16	*15	*15	22	28	14	16	18
13	*14	15	16	16	16	*15	*15	22	29	13	16	18
14	*15	15	17	16	16	*15	*15	22	27	13	16	18
15	*15	15	18	16	16	*15	*15	23	28	13	16	18
16	*15	15	18	16	16	*15	*14	22	27	13	16	18
17	*15	14	17	16	15	*15	*14	22	23	13	17	18
18	*16	15	17	16	15	*15	*14	21	21	13	17	18
19	*16	*15	17	16	15	*15	*14	20	20	13	17	18
20	*16	*15	18	16	16	*15	*14	20	20	14	17	18
21	*16	*15	18	16	16	*15	14	20	20	16	17	18
22	16	*14	18	16	*16	*15	15	19	20	16	17	18
23	16	*14	18	16	*16	*15	15	19	18	16	17	19
24	15	*14	17	17	*16	*15	15	20	18	16	17	19
25	16	14	18	17	*16	*15	15	22	18	16	17	19
26	15	15	18	17	*16	*15	15	24	18	17	17	20
27	15	14	18	17	*16	15	*16	*24	17	17	17	20
28	16	14	17	*17	*16	15	*16	*24	16	17	17	20
29	16	14	17	*17	-	15	*17	*24	16	16	17	21
30	16	14	16	*17	-	15	*18	*24	16	16	18	22
31	16	-	16	*17	-	15	-	*24	-	16	17	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	458	16	13	14.8	908
November	446	16	14	14.9	885
December	508	18	14	16.4	1,010
Calendar year 1934	6,051	24	13	16.6	12,000
January	508	17	16	16.4	1,010
February	456	17	15	16.3	904
March	465	15	15	15.0	922
April	457	18	14	15.2	906
May	638	24	18	20.6	1,270
June	638	30	16	22.8	1,350
July	457	17	13	14.7	906
August	519	18	16	16.7	1,030
September	555	22	17	18.5	1,100
Water year 1934-35	6,150	30	13	16.8	12,200

*Estimated.

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 1935.

Average discharge.- 21 years, 152 second-feet.

Extremes.- Maximum discharge during year, 324 second-feet June 8 (gage height, 1.85 feet); minimum daily discharge, 7 second-feet Aug. 18.
1914-35: Maximum discharge, 1,460 second-feet May 21, 1922 (gage height, 4.92 feet); minimum daily discharge, 5 second-feet June 16-20, 1931.

Remarks.- Records good except those estimated, which are fair. Numerous diversions above station; none between gage and mouth of East Fork.

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	16	*17	-	-	-	-	100	105	289	17	14	83
2	15	*17	-	-	-	-	92	126	269	14	11	105
3	15	18	77	64	-	-	86	149	261	11	10	83
4	14	18	-	-	110	121	*82	181	265	12	10	*66
5	14	18	-	-	-	-	*84	152	253	13	10	*53
6	14	19	-	-	-	-	*84	132	261	12	10	*44
7	14	19	-	105	-	-	*84	*125	277	12	10	38
8	14	19	-	-	-	-	*100	*125	302	13	10	26
9	14	20	-	-	-	-	115	*125	269	12	9	24
10	14	20	95	-	115	105	110	126	277	11	9	29
11	14	20	-	-	-	-	98	146	281	11	9	33
12	14	19	-	-	-	-	77	184	253	10	8	23
13	14	17	-	-	-	-	68	171	215	10	8	16
14	14	17	-	-	-	-	66	174	188	9	8	17
15	14	24	-	-	-	-	64	*173	158	13	9	19
16	14	44	-	-	-	-	*65	*172	137	14	29	23
17	16	46	-	110	-	110	*65	171	*115	11	10	25
18	16	47	-	-	105	-	75	188	*93	11	7	18
19	16	51	121	-	-	-	57	177	72	12	8	17
20	16	51	-	-	-	-	49	171	*62	12	10	17
21	16	49	-	72	-	-	39	181	53	12	9	16
22	16	53	-	-	-	-	44	155	46	12	10	14
23	16	58	-	-	-	-	49	126	36	11	11	16
24	16	62	121	-	-	100	53	126	20	10	17	17
25	16	66	-	-	110	-	57	129	20	10	11	17
26	16	72	-	-	-	-	55	171	24	9	39	16
27	16	81	-	110	-	-	53	241	*22	9	57	15
28	16	75	-	-	-	-	55	238	*20	9	49	18
29	16	*60	-	-	-	-	57	253	18	12	51	18
30	16	*60	-	-	-	-	77	277	*17	11	57	19
31	*16	-	115	-	-	110	-	298	-	13	60	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	468	16	14	15.1	928
November	1,157	81	17	38.6	2,290
December	3,255	-	-	*105	6,460
Calendar year 1934	18,477	174	6	50.6	36,650
January	3,255	-	-	*105	6,460
February	3,080	-	-	*110	6,110
March	3,410	-	-	*110	6,760
April	2,160	115	39	72.0	4,280
May	5,268	298	105	170	10,450
June	4,573	302	17	152	9,070
July	358	17	9	11.5	710
August	580	60	7	18.7	1,150
September	925	105	14	30.8	1,830
Water year 1934-35	28,489	302	7	78.1	56,500

*Estimated.

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 (revised) south of Marysvale.

Records available.- March 1914 to September 1935.

Remarks.- Capacity of reservoir, 90,000 acre-feet. Gage-height record furnished by Piute Reservoir & Irrigation Co. No storage during October and November.

Contents, in acre-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			100	10,000	17,200	22,290	27,380	20,540	26,550	23,620	11,830	4,990
2			170	10,300	17,380	22,500	27,380	20,330	26,780	22,500	11,880	5,130
3			280	10,500	17,560	22,720	27,380	20,400	27,000	21,520	11,940	5,060
4			400	10,800	17,740	22,950	27,300	20,750	26,850	20,540	11,940	5,130
5			500	11,100	17,920	23,180	27,300	21,100	26,780	19,570	11,880	5,200
6			600	11,400	18,100	23,400	27,300	21,450	26,620	18,660	11,780	5,280
7			700	11,720	18,280	23,620	27,300	21,800	26,550	17,680	11,720	5,360
8			780	12,050	18,460	23,850	27,300	22,150	26,850	17,440	11,610	5,520
9			920	12,380	18,530	24,000	27,380	22,500	27,300	17,080	11,500	5,680
10			1,070	12,710	18,660	24,220	27,450	22,880	27,750	16,600	11,250	5,840
11			1,220	12,930	18,790	24,450	27,300	23,250	28,120	16,360	10,850	6,000
12			1,370	13,260	18,920	24,600	27,220	23,620	28,500	15,760	10,400	5,920
13			1,560	13,370	19,050	24,750	26,850	23,780	28,800	15,160	9,850	5,840
14			1,720	13,480	19,180	24,980	26,550	24,000	29,100	14,580	9,300	5,680
15			1,920	13,590	19,310	25,120	26,250	24,380	29,400	14,030	8,700	5,600
16			2,450	13,700	19,440	25,280	25,950	24,750	29,550	13,590	8,320	5,440
17			3,300	13,810	19,700	25,420	25,650	24,900	29,620	13,150	8,050	5,200
18			4,380	14,030	20,120	25,500	25,350	24,750	29,700	12,820	8,140	5,060
19			5,060	14,250	20,400	25,650	25,050	24,750	29,620	12,490	8,230	5,020
20			5,680	14,360	20,610	25,800	24,750	24,600	29,550	12,160	8,320	5,060
21			6,480	14,470	20,820	25,950	24,300	24,520	29,400	11,830	8,230	5,130
22			6,880	14,580	21,030	26,100	23,850	24,450	29,250	11,610	7,960	5,280
23			7,600	14,800	21,240	26,250	23,400	24,300	28,950	11,500	7,690	5,440
24			8,140	15,040	21,450	26,400	22,950	24,450	28,650	11,500	7,360	5,280
25			8,410	15,400	21,590	26,550	22,650	24,600	28,350	11,610	6,960	5,130
26			8,600	15,640	21,730	26,700	22,360	24,900	27,900	11,830	6,560	4,990
27			8,800	15,880	21,940	26,850	22,080	25,200	27,450	11,830	6,160	4,990
28			9,000	16,240	22,080	27,000	21,800	25,650	26,700	11,940	5,840	4,960
29			9,200	16,600	-	27,150	21,380	25,950	25,800	11,880	5,360	4,920
30			9,400	16,840	-	27,300	20,960	26,250	24,600	11,830	4,990	4,880
31			9,700	17,020	-	27,380	-	26,400	-	11,830	4,850	-

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 (revised) south of Marysvale. Prior to Apr. 1, 1935, water-stage recorder a quarter of a mile upstream at different datum.

Drainage area.- 2,440 square miles.

Records available.- May 1911 to September 1935.

Average discharge.- 23 years (1912-35), 261 second-feet.

Extremes.- 1911-35: Maximum discharge, 2,600 second-feet May 23, 24, 1922 (gage height, 4.45 feet); practically no flow at times when reservoir gates are closed.

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

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	40	42	27	23	59	56	97	279	211	513	295	137
2	40	40	27	23	59	56	97	248	238	544	168	137
3	40	42	27	23	59	56	97	82	281	585	133	177
4	40	48	27	23	59	56	97	26	298	611	123	179
5	45	42	32	23	59	56	97	10	298	608	108	149
6	45	40	38	23	59	56	97	11	276	605	108	151
7	42	42	38	23	59	56	97	12	223	598	123	171
8	42	42	38	23	59	56	97	11	191	592	139	188
9	42	48	38	23	59	56	97	11	147	589	145	188
10	42	42	38	38	59	56	129	11	79	582	191	188
11	42	48	38	54	59	56	219	11	60	579	263	226
12	42	48	38	54	59	56	219	15	51	573	298	182
13	48	48	38	54	59	56	219	79	53	566	345	158
14	48	45	38	58	59	75	219	73	47	560	325	147
15	46	42	38	62	59	82	219	81	46	553	284	154
16	48	59	38	62	59	82	219	135	46	550	228	125
17	45	68	38	62	59	82	219	168	70	547	119	125
18	45	78	38	62	38	66	219	186	82	510	50	129
19	45	75	38	62	20	54	250	186	114	476	37	84
20	45	85	38	62	38	54	258	186	114	455	87	70
21	45	82	32	62	56	54	258	186	114	425	154	70
22	45	89	25	62	56	54	258	186	114	339	226	74
23	45	100	23	42	56	54	258	179	171	295	300	84
24	45	100	23	21	56	54	223	151	209	261	317	149
25	45	100	23	21	56	54	214	143	211	228	356	147
26	45	96	23	21	56	54	214	104	211	226	339	129
27	45	107	23	21	56	54	214	104	246	223	347	123
28	42	107	23	21	56	54	226	104	413	248	331	119
29	42	67	23	21	-	54	279	112	485	298	279	119
30	42	27	23	21	-	78	279	164	513	298	238	119
31	42	-	23	40	-	103	-	207	-	295	175	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,357	48	40	43.8	2,690
November	1,899	107	27	63.3	3,770
December	974	38	23	31.4	1,930
Calendar year 1934	40,971	360	3	112	81,270
January	1,190	62	21	38.4	2,360
February	1,547	59	20	55.2	3,070
March	1,890	103	54	61.0	3,750
April	5,685	279	97	190	11,280
May	3,461	279	10	112	6,860
June	5,612	513	46	187	11,130
July	14,332	611	223	462	28,430
August	6,631	356	37	214	13,150
September	4,198	226	70	140	8,330
Water year 1934-35	48,776	611	10	134	96,750

Sevier River near Vermilion, Utah

Location.- Water-stage recorder, lat. 38°52', long. 111°57', in SW¼ sec. 19, (revised) T. 22 S., R. 1 W., at highway bridge half a mile below Rockyford Dam, 2 miles northeast of Vermilion, and 5 miles (revised) above mouth of Lost Creek. On Oct. 1, 1934, gage datum was raised 2.00 feet.

Drainage area.- 3,340 square miles.

Records available.- July to September 1912, July 1914 to September 1935.

Average discharge.- 21 years (1914-35), 121 second-feet.

Extremes.- Maximum daily discharge during year, 229 second-feet Apr. 25; practically no flow (seepage only) several times.
1914-35: 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 estimated for Nov. 11-13, Feb. 10, 14-17, May 19-21, which 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	31	63	54	50	59	49	150	16	14	1	0
2	1	31	53	48	51	28	50	167	18	3	1	0
3	1	31	44	49	49	1	56	192	13	3	1	0
4	1	31	47	53	51	1	61	221	10	2	1	0
5	1	31	51	55	66	2	70	202	8	2	1	0
6	1	31	44	55	59	1	80	167	6	2	1	0
7	1	31	42	61	54	1	94	148	5	60	1	0
8	1	32	41	59	53	1	142	140	5	90	1	0
9	1	32	41	58	58	1	156	108	6	92	1	0
10	1	32	39	59	56	2	171	81	22	95	1	0
11	1	32	39	59	55	4	169	49	19	87	1	0
12	1	33	41	56	55	7	160	12	13	78	1	0
13	2	34	49	50	55	10	169	1	6	72	1	0
14	2	34	54	49	60	31	188	1	5	70	1	0
15	2	34	65	50	60	30	213	1	4	70	1	0
16	18	34	84	50	60	48	205	1	3	78	1	0
17	28	38	82	51	60	94	216	1	2	75	1	0
18	28	31	75	49	66	117	216	1	3	39	1	1
19	28	33	68	48	68	103	216	1	3	39	1	1
20	29	35	63	34	68	95	226	5	2	29	1	1
21	29	36	69	36	62	82	221	10	2	10	1	1
22	29	36	65	40	59	76	221	11	1	5	1	1
23	30	36	62	49	55	72	207	13	2	4	1	6
24	30	38	56	58	53	68	213	13	12	3	1	12
25	30	47	54	65	54	66	229	13	68	1	1	18
26	30	50	53	59	53	68	216	12	82	1	8	19
27	31	44	56	63	68	65	188	9	80	1	12	20
28	31	45	56	59	62	58	169	10	75	1	16	20
29	31	45	56	58	-	42	150	10	70	1	17	16
30	31	55	54	59	-	44	148	10	51	1	8	16
31	31	-	54	53	-	47	-	16	-	2	0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	482	31	1	15.5	956
November	1,083	55	31	36.1	2,150
December	1,720	84	39	55.5	3,410
Calendar year 1934	17,279	174	1	47.3	34,260
January	1,646	65	34	53.1	3,260
February	1,620	68	49	57.9	3,210
March	1,324	117	1	42.7	2,630
April	4,869	229	49	162	9,660
May	1,776	221	1	57.3	3,520
June	612	82	1	20.4	1,210
July	1,030	95	1	33.2	2,040
August	86	17	0	2.8	171
September	132	20	0	4.4	262
Water year 1934-35	16,380	229	0	44.9	32,480

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 1935.

Average discharge.- 18 years, 231 second-feet.

Extremes.- Maximum discharge during year, 286 second-feet June 7 (gage height, 1.87 feet); minimum daily discharge, 9 second-feet July 5, 6, Aug. 3.
1917-35: 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 estimated, 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 tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Apr. 2		Table for Apr. 3 to Sept. 30			
0.4	10	0.3	7	1.2	128
.6	26	.4	13	1.4	173
.8	51	.6	29	1.6	220
1.0	87	.8	53	1.8	269
1.2	129	1.0	87	2.0	320

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	*22	30	-	99	*105	116	66	184	168	63	13	36
2	*21	32	-	103	*100	*115	72	164	168	31	12	40
3	*20	30	-	-	103	*80	87	164	196	18	9	26
4	19	30	-	-	*100	*70	95	222	222	12	12	23
5	21	30	-	-	*100	*60	115	249	234	9	23	22
6	22	30	-	103	*110	*54	122	239	252	9	27	22
7	26	30	-	-	*110	*50	132	213	259	21	25	27
8	26	30	78	-	*100	*48	148	182	254	*40	25	37
9	27	30	-	-	*95	*48	203	175	244	76	25	38
10	27	32	-	-	95	48	*215	164	222	80	19	32
11	27	33	-	-	91	*48	*230	139	210	91	13	29
12	26	33	-	107	89	*48	230	115	187	87	12	28
13	26	32	-	-	87	*48	*220	87	168	83	15	27
14	26	32	-	-	89	48	230	83	143	78	23	26
15	25	32	-	-	91	*48	*240	80	126	80	22	25
16	22	41	125	-	91	*48	*260	91	82	71	22	22
17	21	68	-	-	91	48	*260	*85	74	78	23	18
18	26	74	-	-	91	*100	*265	*80	66	87	24	16
19	33	78	-	-	97	*120	269	76	58	66	24	17
20	35	78	-	-	97	*110	266	73	50	59	25	17
21	35	79	-	-	99	99	266	82	*42	56	24	17
22	30	79	-	-	95	97	262	80	*34	45	19	19
23	28	79	116	-	95	93	254	111	*26	23	14	29
24	32	85	-	-	97	91	254	162	20	15	12	33
25	30	87	-	-	93	87	254	196	20	16	12	40
26	*30	93	-	-	*95	85	256	208	29	17	12	53
27	*30	*93	-	120	*95	83	249	206	58	13	14	44
28	*30	*95	-	-	*120	81	234	208	67	11	26	40
29	30	*95	-	-	-	81	218	201	66	12	73	40
30	33	*90	-	-	-	76	194	201	56	16	50	40
31	33	-	-	-	-	65	-	232	-	13	32	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	839	35	19	27.1	1,660
November	1,680	95	30	56.0	3,330
December	3,255	-	-	*105	6,460
Calendar year 1934	30,622	263	8	83.9	60,740
January	3,100	-	-	*100	6,150
February	2,721	120	87	97.2	5,400
March	2,293	120	48	74.0	4,550
April	6,166	269	66	206	12,230
May	4,772	249	73	154	9,470
June	3,801	259	20	127	7,540
July	1,376	91	9	44.4	2,730
August	681	73	9	22.0	1,350
September	885	53	17	29.5	1,760
Water year 1934-35	31,569	269	9	86.5	62,630

*Estimated.

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 1935.

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

Contents, in acre-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1,620	5,270	12,090	19,140	24,800	29,250	36,480	19,880	14,990	1,930	724
2	0	1,710	5,500	12,150	19,310	24,980	29,350	36,380	19,710	14,500	2,000	763
3	0	1,780	5,720	12,460	19,470	25,160	29,440	36,270	19,470	14,020	2,060	840
4	0	1,870	5,920	12,770	19,630	25,340	29,540	35,840	19,230	13,360	2,090	878
5	0	1,960	6,100	13,100	19,800	25,610	29,540	35,630	19,310	12,710	2,130	917
6	0	2,060	6,280	13,420	20,040	25,790	29,440	35,300	19,390	12,150	2,130	917
7	0	2,130	6,430	13,750	20,370	25,980	29,350	35,090	19,550	11,590	2,130	917
8	0	2,200	6,620	14,020	20,710	26,160	29,350	34,680	19,550	10,940	2,130	917
9	0	2,300	6,760	14,220	20,960	26,250	29,350	34,260	19,470	10,240	2,130	917
10	0	2,410	6,960	14,430	21,220	26,340	29,440	33,740	19,390	9,500	2,130	917
11	0	2,520	7,100	14,640	21,390	26,440	29,540	33,120	19,310	8,640	2,060	917
12	0	2,620	7,300	14,920	21,560	26,530	29,640	32,410	19,140	7,810	2,000	917
13	0	2,690	7,500	15,130	21,720	26,620	29,740	31,710	18,980	7,100	1,930	917
14	0	2,760	7,810	15,410	21,890	26,710	30,030	30,910	18,820	6,430	1,930	917
15	0	2,840	8,110	15,620	22,070	26,800	30,420	29,930	18,580	5,770	1,930	917
16	0	2,990	8,430	15,840	22,240	26,890	30,810	28,960	18,190	5,140	1,930	917
17	0	3,150	8,750	15,990	22,420	26,980	31,300	28,210	17,800	4,530	1,840	917
18	45	3,340	9,070	16,220	22,590	27,080	31,710	27,260	17,420	3,950	1,710	821
19	246	3,500	9,390	16,430	22,760	27,260	32,110	26,340	17,020	3,220	1,620	724
20	332	3,660	9,680	16,580	22,940	27,450	32,510	25,420	16,800	2,480	1,490	628
21	404	3,860	9,900	16,660	23,200	27,640	32,920	24,530	16,580	2,130	1,260	532
22	475	4,030	10,120	16,800	23,380	27,830	33,430	23,810	16,360	1,810	1,030	389
23	551	4,150	10,340	16,950	23,550	28,020	33,950	22,940	16,220	1,810	840	246
24	648	4,280	10,580	17,180	23,810	28,210	34,470	22,160	16,060	1,810	724	5
25	763	4,400	10.820	17.340	23,990	28,300	34,990	21,640	15,920	1,780	724	0
26	859	4,530	11,120	17,650	24,170	28,400	35,630	21,140	15,690	1,740	724	0
27	974	4,660	11,410	17,880	24,350	28,580	36,050	20,710	15,620	1,780	724	0
28	1,120	4,840	11,720	18,110	24,530	28,770	36,270	20,540	15,480	1,810	724	0
29	1,260	4,970	11,840	18,420	-	28,960	36,480	20,290	15,410	1,840	724	0
30	1,430	5,140	11,960	18,660	-	29,060	36,590	20,040	15,200	1,870	724	0
31	1,550	-	12,020	18,900	-	29,150	-	19,880	-	1,900	724	-

130346 O—37——4

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 1935.

Average discharge.- 24 years, 273 second-feet.

Extremes.- 1911-35: 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. No diversions between this station and that near Gunnison. Flow regulated by gates in Sevier Bridge Dam.

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	*24						†4	262	308	262	30	27
2	23						†4	264	308	302	30	27
3	23						†4	306	308	335	28	27
4	23						52	355	272	351	28	27
5	23						131	358	238	348	27	27
6	23						131	362	238	346	27	27
7	23						131	393	274	344	27	27
8	23						131	418	300	388	26	27
9	23						131	435	300	428	28	27
10	23						*131	492	300	481	28	27
11	41						*131	506	300	520	30	27
12	39						131	509	300	523	30	27
13	39						67	506	300	470	30	27
14	39						21	517	300	446	30	27
15	17						*21	526	300	441	30	27
16	†2						*21	540	300	441	68	27
17	†2						*21	557	300	435	100	74
18	†2						*21	554	300	430	100	113
19	†2						*21	580	251	390	100	110
20	†2						*21	572	214	335	100	106
21	†2						*21	543	148	302	100	103
22	†2						*21	503	94	266	100	100
23	†2						*21	459	94	164	97	100
24	†2						*21	443	94	71	60	94
25	†2						*21	420	100	71	27	94
26	†2						*21	398	100	37	27	68
27	†2						73	425	100	16	27	71
28	†2						*125	425	100	16	27	65
29	†2						*125	376	166	21	27	60
30	†2						205	328	197	27	27	60
31	†2						-	308	-	28	27	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	436	41	2	14.1	869
November	60	-	-	†2	119
December	93	-	-	†3	184
Calendar year 1934	38,092	1,030	-	104	75,560
January	93	-	-	†3	184
February	112	-	-	†4	222
March	124	-	-	†4	246
April	1,980	205	4	66.0	3,930
May	13,640	580	262	440	27,050
June	6,904	308	94	230	13,690
July	9,035	523	16	291	17,920
August	1,445	100	27	46.6	2,870
September	1,650	113	27	55.0	3,270
Water year 1934-35	35,574	580	-	97.5	70,550

*Interpolated.
†Estimated; leakage only.

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 1935. Records obtained 1½ miles above Rockyford Bridge March 1913 to April 1914, also three-quarters of a mile north of Kingston May to September 1912.

Average discharge.- 22 years, 95.8 second-feet.

Extremes.- Maximum discharge during year, 347 second-feet July 15 (gage height, 4.23 feet); minimum daily discharge, 10 second-feet Apr. 21-23.
1913-35: Maximum discharge, about 2,000 second-feet Aug. 27, 1929; minimum, 6 second-feet Oct. 30, 1930.

Remarks.- Records fair. Stage-discharge relation affected by ice Nov. 27 to about Feb. 28. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	23	21				19	14	21	46	53	275	74
2	24	21				18	14	21	43	199	232	74
3	26	21				20	15	29	40	196	88	74
4	26	22				21	15	32	38	210	72	106
5	26	24				23	14	30	37	260	71	165
6	26	24				22	14	29	38	258	69	165
7	26	26				21	15	31	37	252	67	173
8	26	24				21	18	31	37	296	66	173
9	28	16				18	28	29	38	299	64	165
10	28	15				20	22	27	36	299	63	158
11	29	15				21	19	26	36	299	61	150
12	29	16				23	18	26	36	299	61	122
13	27	16				26	16	27	34	302	61	69
14	16	16				24	16	30	33	331	60	64
15	14	15				21	18	30	32	340	63	61
16	14	15				19	17	30	32	324	72	61
17	14	15				19	16	31	30	284	69	61
18	13	16				18	15	32	33	275	64	61
19	14	19				18	15	32	35	272	61	61
20	12	19				20	14	33	39	281	64	61
21	12	19				19	10	32	54	281	77	61
22	13	24				19	10	32	54	275	79	61
23	12	23				20	10	32	54	266	79	60
24	12	21				19	11	36	46	263	81	60
25	11	23				20	12	36	43	260	81	58
26	12	20				21	12	35	46	263	79	58
27	12	*20				16	12	36	45	269	79	58
28	15	*20				11	12	40	42	269	77	58
29	13	*18				12	12	40	39	269	77	53
30	14	*18				12	15	40	37	293	77	37
31	19	-				13	-	42	-	281	83	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	586	29	11	18.9	1,160
November	582	26	15	19.4	1,150
December	558	-	-	*18	1,110
Calendar year 1934	14,175	145	9	38.8	28,100
January	558	-	-	*18	1,110
February	504	-	-	*18	1,000
March	594	26	11	19.2	1,180
April	449	28	10	15.0	891
May	978	42	21	31.5	1,940
June	1,190	54	30	39.7	2,360
July	8,318	340	53	268	16,500
August	2,572	275	60	83.0	5,100
September	2,662	173	37	88.7	5,280
Water year 1934-35	19,551	340	10	53.6	38,780

*Estimated.

Rockyford Canal near Vermilion, Utah

Location.- Water-stage recorder, lat. 38°52', long. 111°57', in sec. 19, T. 22 S., R. 1 W., 300 feet below head of canal and 2 miles northeast of Vermilion.

Records available.- July 1914 to September 1935.

Average discharge.- 21 years, 43.9 second-feet.

Remarks.- Records good. Gage is a short distance below wasteway that returns surplus water to Sevier River. Flow regulated by head gates and wasteway. Canal diverts from Rockyford Reservoir on Sevier River at Vermilion. Water is used for irrigation north of Vermilion. Gage-height record May 4-11, Aug. 13 to Sept. 12 furnished by Sevier River water commissioner.

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	34	11	7	11	12	5	9	44	29	72	38	36
2	40	11	6	11	12	8	9	38	29	68	36	36
3	38	11	6	*11	12	11	9	20	31	67	38	36
4	36	11	6	11	11	11	9	15	37	69	36	36
5	38	11	6	11	9	10	9	34	54	71	32	36
6	39	11	8	11	*9	11	*8	45	80	78	32	35
7	40	11	11	11	*8	11	*7	50	87	78	30	34
8	40	11	10	11	*8	11	6	54	89	78	29	34
9	39	11	10	11	*7	*11	6	64	71	76	29	34
10	38	11	10	11	*7	*11	6	72	0	74	30	34
11	38	11	10	11	*6	*11	8	65	0	60	29	34
12	38	11	10	12	6	*11	9	45	46	54	28	34
13	38	10	10	13	6	11	9	38	87	52	29	34
14	38	10	11	13	6	10	9	36	93	52	32	33
15	38	10	11	13	6	11	12	27	93	52	36	33
16	22	10	11	13	6	11	19	30	85	52	41	31
17	12	10	12	13	6	10	26	36	84	51	34	36
18	12	9	11	12	6	10	27	24	89	42	6	37
19	11	9	11	12	6	*10	25	18	89	39	0	33
20	11	9	11	12	5	*10	12	25	73	39	0	31
21	11	8	11	12	5	*10	7	36	47	36	0	31
22	11	8	12	13	5	*10	5	61	41	37	9	31
23	12	8	*12	13	5	10	17	68	30	42	29	24
24	12	8	*12	13	5	10	17	81	26	39	29	20
25	12	8	*12	13	5	9	14	81	26	34	29	17
26	11	8	*12	13	5	*9	20	72	46	36	45	17
27	11	8	*12	13	5	*9	27	61	64	34	45	17
28	12	7	12	13	5	*9	34	58	71	36	55	16
29	11	8	*12	12	-	*9	41	57	*73	36	55	17
30	11	7	*11	12	-	9	44	46	75	33	45	16
31	11	-	*11	12	-	9	-	32	-	40	39	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	765	40	11	24.7	1,520
November	287	11	7	9.6	569
December	317	12	6	10.2	629
Calendar year 1934	9,953	80	0	27.3	19,750
January	373	13	11	12.0	740
February	194	12	5	6.9	385
March	308	11	5	9.9	611
April	460	44	5	15.3	912
May	1,433	81	15	46.2	2,840
June	1,745	93	0	58.2	3,460
July	1,627	78	33	52.5	3,230
August	945	55	0	30.5	1,870
September	893	37	16	29.8	1,770
Water year 1934-35	9,347	93	0	25.6	18,540

*Estimated.

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 4½ miles east of Beaver.

Drainage area.- 82 square miles.

Records available.- June to September 1906, March 1914 to September 1935.

Average discharge.- 21 years (1914-35), 54.3 second-feet.

Extremes.- Maximum discharge during year, 484 second-feet June 6 (gage height, 5.68 feet); minimum, 7 second-feet Oct. 18 (gage height, 3.32 feet).
1914-35: Maximum discharge, 785 second-feet May 25, 1922 (gage height, 6.31 feet); minimum, about 5 second-feet Aug. 29, 1931 (gage height, 3.19 feet).

Remarks.- Records good except those estimated, which are fair. Stage-discharge relation affected by ice several days Nov. 22 to Feb. 23. No irrigation diversions above station. Water diverted by Beaver River Power Co. but returned to stream several miles above station. Flow slightly regulated by operation of power plants and storage in Kents Lake.

Rating table, 1934-35 except periods of ice effect (gage height, in feet, and discharge, in second-feet)

3.3	8	4.4	129
3.4	12	4.6	173
3.6	25	4.8	222
3.8	42	5.0	275
4.0	65	5.3	362
4.2	93	5.6	458

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	12	12	-	-	-	*18	27	59	180	90	37	31
2	10	13	-	-	-	*18	28	55	210	92	32	25
3	11	11	-	-	18	18	29	48	262	88	31	24
4	12	14	-	-	-	*18	29	45	303	84	28	24
5	12	15	-	-	-	*18	27	45	341	80	29	22
6	11	15	-	12	-	*18	23	57	384	76	30	21
7	13	14	-	-	-	*18	27	59	387	75	31	20
8	15	15	-	-	-	*18	27	82	387	72	32	22
9	15	16	-	-	-	*18	18	98	368	69	31	22
10	14	14	-	-	18	18	22	105	353	69	31	23
11	13	13	-	-	-	*18	30	107	332	70	31	23
12	12	13	-	-	-	*18	31	102	320	69	27	22
13	12	13	-	16	-	*19	34	100	315	70	27	22
14	12	13	-	-	-	*20	34	93	283	73	26	22
15	12	14	17	-	-	*20	49	100	253	70	34	23
16	13	13	16	-	-	*21	57	103	214	68	35	24
17	14	16	14	-	-	22	43	102	190	66	31	24
18	14	14	14	-	-	21	39	90	176	60	29	24
19	16	14	-	-	-	20	51	81	168	55	27	23
20	16	15	-	-	-	20	63	74	166	43	27	21
21	17	15	-	-	-	20	69	75	157	40	27	22
22	16	*15	14	-	-	19	74	92	144	40	29	22
23	14	*15	-	-	-	17	72	123	137	40	31	22
24	14	*15	-	-	18	18	65	148	125	39	40	24
25	14	*15	-	-	-	17	52	200	116	37	36	24
26	13	16	-	14	-	18	61	240	107	35	31	24
27	14	*16	-	-	-	19	75	240	105	34	*30	24
28	15	*16	-	-	-	20	82	235	98	35	*29	23
29	14	*16	-	-	-	23	84	245	90	36	29	23
30	13	*16	-	-	-	24	70	251	88	33	27	22
31	13	-	-	-	-	27	-	204	-	37	27	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	416	17	10	13.4	825
November	432	16	11	14.4	857
December	465	-	-	*15	922
Calendar year 1934	7,801	65	10	21.4	15,470
January	496	-	-	*16	964
February	504	-	-	*18	1,000
March	601	27	17	19.4	1,190
April	1,392	84	18	46.4	2,760
May	3,658	251	45	118	7,260
June	6,761	387	88	225	13,410
July	1,847	92	33	59.6	3,660
August	942	40	26	30.4	1,870
September	692	31	20	23.1	1,370
Water year 1934-35	18,206	387	10	49.9	36,110

*Estimated.

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 1935.

Average discharge.- 21 years (1914-35), 36.0 second-feet.

Extremes.- Maximum discharge recorded during year, 274 second-feet June 9 (gage height, 3.23 feet); no flow Oct. 1-31.
1913-35: Maximum discharge, 796 second-feet May 23, 1920 (gage height, 4.85 feet); no flow during periods in 1924, 1931, 1934, and 1935.

Remarks.- Records fair. Discharge estimated Nov. 1, Nov. 26 to Dec. 18, and Jan. 17, 18, 20-27. 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.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.2	0	2.2	63
1.4	2	2.4	93
1.6	8	2.6	129
1.8	20	2.8	171
2.0	39	3.0	218

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		14	23	24	20	22	9	2	36	5	3	16
2		27	23	20	19	24	4	2	27	4	3	10
3		27	22	20	19	25	2	2	50	4	4	6
4		26	20	19	19	28	2	2	77	4	4	5
5		26	20	22	19	28	1	2	156	4	4	4
6		26	20	22	21	24	1	2	176	4	3	4
7		25	20	19	21	20	1	2	187	4	3	4
8		27	20	20	21	20	1	2	194	4	4	4
9		26	20	19	22	22	2	2	218	3	3	4
10		26	20	20	23	22	2	2	194	2	2	4
11		26	20	22	22	20	2	3	156	2	2	3
12		25	20	23	21	23	2	3	131	2	1	3
13		24	20	22	23	23	2	4	145	2	1	2
14		23	21	20	23	24	2	4	139	3	2	2
15		24	21	20	21	23	2	3	93	4	4	2
16		25	21	20	22	21	2	4	77	4	7	2
17		26	22	20	21	24	2	5	59	4	5	3
18		27	22	20	21	24	2	11	42	2	4	2
19		29	24	20	21	24	2	8	30	2	4	2
20		28	27	18	20	26	1	7	23	2	4	3
21		28	27	16	22	22	1	7	23	3	4	4
22		28	27	16	20	21	1	4	18	3	4	4
23		27	24	17	20	20	1	4	18	4	7	4
24		26	23	18	21	17	1	5	16	4	7	5
25		27	24	19	26	23	1	27	13	4	10	6
26		26	23	20	30	24	1	63	12	4	20	6
27		25	24	20	23	24	2	69	12	4	12	6
28		25	23	21	22	24	2	66	10	4	10	6
29		24	24	20	-	22	2	63	8	4	7	6
30		24	25	20	-	16	2	85	6	6	6	6
31		-	26	19	-	12	-	60	-	4	7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	767	29	14	25.6	1,520
December	696	27	20	22.5	1,380
Calendar year 1934	4,984	200	0	13.7	9,880
January	616	24	16	19.9	1,220
February	603	30	19	21.5	1,200
March	692	28	12	22.3	1,370
April	58	9	1	1.9	115
May	525	85	2	16.9	1,040
June	2,346	218	6	78.2	4,650
July	109	6	2	3.5	216
August	161	20	1	5.2	319
September	138	16	2	4.6	274
Water year 1934-35	6,711	218	0	18.4	13,300

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., half a mile below Rockyford Dam and 4 miles east of Minersville.

Drainage area.- 512 square miles.

Records available.- December 1913 to September 1935.

Average discharge.- 21 years (1914-35), 38.4 second-feet.

Extremes.- Maximum discharge observed during year, 107 second-feet June 25, 28; maximum gage height, 1.64 feet June 26; minimum discharge, 3 second-feet Oct. 11 to Nov. 6. 1913-35: 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.

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	4	3	*4	4	4	5	*6	29	*31	*80	*26	29
2	4	3	4	4	*4	*5	6	29	31	76	36	29
3	4	*3	4	4	4	5	6	29	31	76	*36	29
4	4	3	4	4	4	5	6	29	31	76	36	29
5	4	3	4	*4	4	5	*6	*29	31	*68	36	29
6	4	3	4	4	4	5	6	29	31	*46	36	29
7	4	4	4	4	4	5	*7	29	31	54	35	*29
8	4	4	*4	4	4	5	7	*30	*31	54	35	29
9	4	4	4	4	*4	*5	7	31	31	*46	35	27
10	4	*4	4	4	4	5	7	31	31	44	*34	*27
11	3	4	4	4	4	5	7	31	31	44	31	27
12	3	4	4	*4	4	5	7	31	31	44	31	27
13	3	4	4	4	4	5	7	31	31	*44	31	29
14	*3	4	4	4	4	5	7	31	31	44	31	*29
15	3	4	*4	4	4	5	7	31	*31	44	*31	29
16	3	4	4	4	*4	*5	7	31	31	44	*30	29
17	3	*4	4	4	4	5	7	31	*51	44	*29	29
18	3	4	4	4	4	5	7	*31	91	*44	29	*22
19	3	4	4	*4	4	5	7	31	*94	*45	29	4
20	*3	4	4	4	5	5	*9	31	96	45	29	4
21	3	4	4	4	5	5	10	31	96	*43	29	4
22	3	4	*4	4	5	5	10	31	*96	41	29	4
23	3	4	4	4	*5	*5	10	*31	*99	41	29	4
24	3	*4	4	4	5	5	10	31	*105	40	*29	4
25	3	4	4	4	5	5	10	*31	107	40	29	4
26	3	4	4	*4	5	5	*21	31	*107	40	29	4
27	*3	4	4	4	5	6	*28	31	107	*40	29	4
28	3	4	4	4	5	6	29	31	107	40	29	*4
29	3	4	*4	4	-	6	29	31	*100	39	29	4
30	3	4	4	4	-	*6	29	31	*92	39	29	4
31	3	-	4	4	-	6	-	31	-	*30	*29	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	103	4	3	3.3	204
November	114	4	3	3.8	226
December	124	4	4	4.0	246
Calendar year 1934	6,073	111	3	16.6	12,050
January	124	4	4	4.0	246
February	121	5	4	4.3	240
March	160	6	5	5.2	317
April	322	29	6	10.7	639
May	946	31	29	30.5	1,880
June	1,844	107	31	61.5	3,660
July	1,495	80	30	48.2	2,970
August	965	36	26	31.1	1,910
September	555	29	4	18.5	1,100
Water year 1934-35	6,873	107	3	18.8	13,640

*Gage read.

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 1935; revision 1904-32 published in Water Supply Paper 735.
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 determinations) 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, water year 1934-35

Oct. 1, 1934	247.4	Mar. 1, 1935	247.3	Aug. 1, 1935	248.4
Nov. 1, 1934	247.7	Apr. 1, 1935	247.3	31, 1935	248.4
Dec. 1, 1934	248.0	May 1, 1935	247.4	Oct. 1, 1935	248.85
Jan. 3, 1935	247.8	31, 1935	247.8		
31, 1935	247.6	July 1, 1935	248.1		

Southern Pacific Co.'s ditch near Whitewater, Calif.

Location.- Water-stage recorder, lat. 33°52', long. 116°41', in NW¼ sec. 33, T. 3 S., R. 3 E., 200 feet below intake and 3½ miles southwest of Whitewater. Altitude, about 1,900 feet.
Records available.- July 1921 to September 1927, October 1929 to September 1930, October 1931 to December 1934 (discontinued).
Remarks.- Ditch diverts all low-water flow of Snow Creek. No record available for Snow Creek since September 1931. Record of daily discharge furnished by Southern Sierras Power Co.

Discharge, in second-feet, October 1 to December 31, 1934.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.1	4.7	5.1									
2	4.1	4.6	5.0									
3	4.1	4.6	5.0									
4	4.1	4.6	5.0									
5	4.1	4.6	5.0									
6	4.3	4.6	5.0									
7	4.4	4.5	5.0									
8	4.2	4.4	5.0									
9	4.2	4.4	5.1									
10	4.3	4.4	5.1									
11	4.3	4.6	5.2									
12	4.4	4.6	9.1									
13	4.2	4.6	17.9									
14	4.4	4.5	27.0									
15	4.5	4.5	19.6									
16	4.5	4.6	11.7									
17	5.3	4.6	10.6									
18	19.4	4.8	9.8									
19	10.1	5.0	8.6									
20	7.3	5.3	8.0									
21	6.3	5.1	7.4									
22	5.9	5.0	6.9									
23	5.5	5.0	6.8									
24	5.1	4.8	6.6									
25	5.0	5.3	6.4									
26	5.0	5.3	6.2									
27	5.0	5.5	6.1									
28	4.8	5.7	6.5									
29	4.6	5.3	7.0									
30	4.6	5.2	6.4									
31	4.7	-	6.3									

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	166.8	19.4	4.1	5.38	331
November	144.7	5.7	4.4	4.82	287
December	250.4	27.0	5.0	8.08	497
Calendar year 1934	1,996.0	27.0	3.9	5.47	3,960
January					
February					
March					
April					
May					
June					
July					
August					
September					
The period					1,120

Palm Canyon Creek near Palm Springs, Calif.

Location.- Water-stage recorder, lat. 33°44'55", long. 116°32'15", in S ½ 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 (revised).

Drainage area.- 94.0 square miles.

Records available.- January 1930 to September 1935.

Extremes.- Maximum discharge during year, 300 second-feet (estimated) Aug. 23; no flow for several months.
1930-35: Maximum discharge, 1,870 second-feet Feb. 9, 1932; no flow several months each year.

Remarks.- Records fair except those for high stages, which are poor. Discharge estimated Jan. 14-18, 20, Feb. 10-17, May 1-5, May 17 to June 3, Sept. 19.

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			0	0	1.1	1.0	1.6	1.1	0.1	0	0	0
2			0	0	1.1	1.7	1.6	1.0	.1	0	0	0
3			0	0	1.1	2.2	1.4	.8	.1	0	0	0
4			0	0	1.3	2.0	1.4	.8	0	0	0	0
5			0	.6	14	2.0	1.4	.7	0	0	0	0
6			0	.6	38	1.9	1.3	.6	0	0	0	0
7			0	.6	14	3.2	1.3	.5	0	0	0	0
8			0	.5	9	6	14	.5	0	0	0	0
9			0	.8	5.5	4.3	9	.5	0	0	0	0
10			0	1.5	4.0	3.8	5.5	.4	0	0	0	0
11			0	3.3	3.0	3.3	4.3	.4	0	0	0	0
12			0	4.4	2.5	3.0	3.6	.4	0	0	0	0
13			0	2.6	2.5	3.0	3.2	.4	0	0	0	0
14			.8	1.0	2.2	3.0	2.8	.4	0	0	0	0
15			0	.5	2.0	3.0	2.4	.4	0	0	0	0
16			0	.5	1.8	3.0	2.2	.4	0	0	0	0
17			0	.4	1.8	2.7	2.0	.4	0	0	0	0
18			0	.4	1.6	2.6	1.8	.4	0	0	0	0
19			0	2.8	1.5	2.8	1.5	.4	0	0	0	0
20			0	1.8	1.5	2.7	1.3	.4	0	0	0	2.0
21			0	1.5	1.4	2.4	1.1	.3	0	0	0	0
22			0	1.4	1.4	2.3	1.1	.3	0	0	7	0
23			0	1.3	1.4	2.2	1.1	.3	0	0	3.5	0
24			0	1.3	1.4	2.2	1.0	.3	0	0	0	0
25			0	1.3	1.3	2.1	.9	.2	0	0	0	0
26			0	1.3	1.2	2.0	.9	.2	0	0	0	0
27			0	1.3	1.1	1.9	.8	.2	0	0	0	0
28			0	1.2	1.1	1.8	.8	.1	0	4.6	0	0
29			0	1.2	-	1.7	1.0	.1	0	1.0	0	0
30			0	1.2	-	1.6	1.1	.1	0	0	0	0
31			0	1.2	-	1.6	-	.1	-	0	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	.8	.8	0	.03	1.6
Calendar year 1934	84.3	25	0	.23	167
January	36.5	4.4	0	1.18	72
February	119.8	38	1.1	4.28	238
March	79.0	6	1.0	2.55	157
April	73.4	14	.8	2.45	146
May	13.1	1.1	.1	.42	26
June	.3	.1	0	.01	.6
July	5.6	4.6	0	.18	11
August	10.5	7	0	.34	21
September	2.0	2.0	0	.07	4.0
Water year 1934-35	341.0	38	0	.93	677.2

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., half a 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 1935.

Extremes.- Maximum discharge during year, 2,760 second-feet Apr. 8 (gage height, 6.60 feet); minimum, 0.2 second-foot Sept. 8.
1929-35: Maximum discharge, 7,900 second-feet Feb. 9, 1932 (gage height, 11.30 feet); minimum, 0.1 second-foot at various times during 1932, 1933, 1934.

Remarks.- Records good. Storage in Lake Arrowhead. Hesperia Water Co.'s canal diverts about 2 miles above station.

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	0.7	5	7.5	17	78	49	109	196	20	4.1	0.4	0.6
2	.6	5.5	7.5	16	86	50	107	207	20	4.5	.3	.6
3	.6	6	7	16	78	56	114	182	19	5.5	.3	.6
4	.5	6	7	16	107	54	119	90	18	5	.3	.5
5	.5	6	10	203	672	51	114	78	16	4.5	.4	.4
6	.5	6	9	119	831	50	129	71	15	3.7	.4	.3
7	.6	5.5	8	69	349	53	114	66	15	3.4	.3	.3
8	.7	5.5	9.5	53	246	57	1,180	61	14	3.2	.3	.3
9	.8	5.5	8.5	252	179	56	697	58	14	3.4	.3	.3
10	.7	6	8	458	146	46	428	56	13	3.7	.3	.3
11	.6	6	8	179	121	48	317	53	12	3.5	.4	.4
12	.6	6	8	124	107	60	229	51	12	3.5	.4	.4
13	.6	6	18	88	96	80	210	49	11	3.2	.5	.5
14	.6	5.5	821	69	84	94	176	48	10	3.2	.5	.4
15	.6	5	357	102	77	137	173	46	10	3.0	.3	.6
16	.6	5	121	77	71	121	154	44	10	2.2	.4	.6
17	1.0	6.5	71	68	66	109	137	44	9.5	3.5	.4	.6
18	426	7.5	48	57	68	109	119	43	9	2.2	.4	.4
19	146	9	39	53	77	98	109	40	8.5	1.4	.4	.5
20	48	10	31	46	86	82	107	38	8	1.2	.4	.7
21	27	10	26	42	88	80	102	37	7.5	1.0	.3	.7
22	18	8	24	39	82	73	100	35	6.5	1.0	.3	.9
23	13	7.5	21	39	78	69	88	33	6.5	.8	.3	1.0
24	11	7	19	44	68	69	92	32	6	.7	.3	1.2
25	9.5	7	18	56	61	75	82	30	5.5	.6	.5	1.0
26	8	6.5	16	61	56	75	75	29	5	.6	1.4	.9
27	7.5	8	15	61	53	84	69	27	4.6	.6	2.3	.8
28	6.5	7.5	17	64	50	96	68	26	4.1	.6	1.6	.8
29	6.5	7.5	35	71	-	107	82	24	4.0	.6	1.2	.8
30	5.5	7.5	23	73	-	109	221	22	4.0	.5	.9	.8
31	5	-	19	77	-	114	-	22	-	.5	.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	748.3	426	0.5	24.1	1,480
November	200.0	10	5	6.67	397
December	1,837.0	821	7	59.3	3,640
Calendar year 1934	7,427.5	1,570	.1	20.3	14,730
January	2,709	458	16	87.4	5,370
February	4,161	831	50	149	8,250
March	2,411	137	46	77.8	4,780
April	5,821	1,180	68	194	11,500
May	1,838	207	22	59.3	3,650
June	317.7	20	4.0	10.6	630
July	75.4	5.5	.5	2.43	150
August	17.2	2.3	.3	.55	34
September	18.2	1.2	.3	.61	36
Water year 1934-35	20,153.8	1,180	.3	55.2	40,000

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 1935.

Extremes.- Maximum discharge during year, 2,200 second-feet (estimated) Apr. 8 (gage height, 4.00 feet); minimum, 16 second-feet numerous times.
1930-35: Maximum discharge, 12,500 second-feet Feb. 9, 1932; minimum, 15 second-feet Aug. 13, 1932, and Aug. 4, 1933.

Remarks.- Records fair. Storage at Lake Arrowhead and diversion from Deep Creek by Hesperia Water Co. Discharge estimated Aug. 24, 25, Aug. 30 to Sept. 5, Sept. 30.

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	22	34	33	42	37	43	53	145	27	19	15	22
2	23	34	36	41	37	43	53	141	27	22	16	22
3	24	34	34	41	37	43	51	145	24	25	18	22
4	21	34	34	41	38	43	51	77	22	24	18	22
5	20	36	34	42	76	41	49	41	24	21	18	22
6	21	36	34	44	721	41	51	35	25	21	18	22
7	22	36	34	45	450	43	65	29	24	19	19	22
8	24	36	34	44	224	43	561	25	22	19	18	21
9	24	36	32	44	167	41	846	22	24	18	16	18
10	26	36	34	47	126	39	537	22	25	19	16	21
11	27	36	34	48	95	37	461	24	27	19	16	19
12	33	29	36	47	72	37	316	24	24	19	18	18
13	33	31	36	44	53	33	278	25	22	21	18	18
14	34	29	36	42	43	39	220	29	22	21	18	19
15	36	28	36	41	37	28	198	30	21	21	18	19
16	33	29	36	38	37	30	188	27	19	24	18	21
17	34	31	36	37	39	30	161	29	21	24	18	21
18	62	32	36	38	41	30	114	32	21	21	19	24
19	62	31	36	40	43	28	92	32	19	21	19	16
20	62	32	34	38	39	28	79	30	19	21	16	16
21	44	31	34	40	41	28	65	30	18	19	18	16
22	37	31	36	38	41	28	57	29	19	19	60	21
23	34	32	36	40	41	28	55	24	18	24	65	24
24	33	32	34	41	39	30	47	25	18	22	40	24
25	33	34	36	41	41	32	45	24	19	19	35	22
26	33	33	37	40	41	32	35	24	21	18	53	21
27	34	32	38	38	41	33	33	29	21	19	41	22
28	34	32	40	37	43	35	32	27	19	18	27	22
29	34	33	41	37	-	35	30	27	19	18	22	22
30	34	32	40	37	-	37	87	27	19	15	22	22
31	33	-	41	37	-	39	-	27	-	16	22	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,026	62	20	33.1	2,040
November	982	36	28	32.7	1,950
December	1,108	41	32	35.7	2,200
Calendar year 1934	11,895	543	16	32.6	23,610
January	1,270	48	37	41.0	2,520
February	2,740	721	37	97.9	5,430
March	1,097	43	28	35.4	2,180
April	4,910	846	30	164	9,740
May	1,257	145	22	40.5	2,490
June	650	27	18	21.7	1,290
July	626	25	15	20.2	1,240
August	757	65	15	24.4	1,500
September	621	24	16	20.7	1,230
Water year 1934-35	17,044	846	15	46.7	33,800

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 1935.

Extremes.- Maximum discharge during year, 500 second-feet (estimated) Apr. 9 (gage height, 2.58 feet); no flow most of year.
1930-35: Maximum discharge, 8,300 second-feet Feb. 9, 1932 (gage height, 3.95 feet); no flow during part of each year.

Remarks.- Record fair. Considerable diversion for irrigation above station.

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							0					
2							0					
3							0					
4							0					
5							0					
6							0					
7							0					
8							0					
9							117					
10							208					
11							125					
12							83					
13							17					
14							17					
15							11					
16							9					
17							7					
18							3.0					
19							0					
20							0					
21							0					
22							0					
23							0					
24							0					
25							0					
26							0					
27							0					
28							0					
29							0					
30							0					
31							-					

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 1934	0	0	0	0	0
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	597	208	0	19.9	1,180
May	0	0	0	0	0
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 1934-35	597	208	0	1.64	1,180

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 half a 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 1935.

Extremes.- Maximum discharge during year, 1,280 second-feet Apr. 8 (gage height, 4.90 feet); no flow during summer.
1930-35: Maximum discharge, 6,000 second-feet Feb. 8, 1932 (gage height, 10.00 feet); no flow during each summer.

Remarks.- Records good. Daily discharge estimated June 3-20.

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	0		0	10	23	19	28	53	4.5			
2	0		0	8.5	23	39	27	45	4.0			
3	0		0	1.5	23	47	26	42	3.5			
4	0		0	3.3	35	41	28	34	3.0			
5	0		0	241	202	49	26	27	2.5			
6	0		0	123	324	36	24	24	2.0			
7	0		0	66	192	60	23	22	1.6			
8	0		0	53	148	74	466	20	1.1			
9	0		0	193	126	64	277	19	1.0			
10	0		0	246	110	53	176	18	.8			
11	0		0	118	92	45	141	17	.6			
12	0		0	85	77	42	115	17	.5			
13	0		0	61	68	47	97	17	.4			
14	0		168	51	62	50	84	15	.3			
15	0		96	208	59	55	74	14	.2			
16	0		36	114	52	50	71	14	.1			
17	0		21	76	47	50	65	13	.1			
18	35		13	76	42	47	60	13	.1			
19	5		5.5	79	32	47	55	12	.1			
20	0		3.7	55	30	44	47	10	.1			
21	0		1.5	42	28	43	50	9.5	0			
22	0		1.1	37	27	49	47	7	0			
23	0		1.0	32	26	44	46	6.5	0			
24	0		.9	29	24	55	43	7	0			
25	0		.8	28	23	50	39	6.5	0			
26	0		.5	27	22	48	37	6	0			
27	0		.2	27	21	46	29	5.5	0			
28	0		7.5	26	20	41	27	5	0			
29	0		17	24	-	34	34	5	0			
30	0		12	24	-	31	71	5	0			
31	0		10	24	-	30	-	5	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	40	35	0	1.3	79
November	0	0	0	0	0
December	395.7	168	0	12.8	785
Calendar year 1934	2,503.4	946	0	6.86	4,960
January	2,183.3	246	1.5	70.6	4,340
February	1,958	324	20	69.9	3,880
March	1,430	74	19	46.1	2,840
April	2,333	466	23	77.8	4,630
May	514.0	53	5	16.6	1,020
June	26.5	4.5	0	.88	53
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	8,885.5	466	0	24.3	17,600

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., 1 3/4 miles southeast of Valyermo. Altitude, about 4,050 feet.

Drainage area.- 23.0 square miles.

Records available.- January 1923 to September 1935.

Average discharge.- 12 years, 11.4 second-feet.

Extremes.- Maximum discharge during year, 338 second-feet Dec. 14 (gage height, 3.10 feet); minimum, 1.4 second-feet Oct. 10 (gage height, 0.72 foot).
1923-35: Maximum discharge, 510 second-feet Feb. 16, 1927; minimum, 1.2 second-feet Aug. 22, 1925.

Remarks.- Records fair. No diversions. Discharge estimated Aug. 27 to Sept. 8. Results of 12 discharge measurements furnished by Los Angeles County Flood Control District.

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	2.0	4.2	5.5	16	26	26	32	40	33	21	13	11
2	2.0	4.2	6	15	26	30	34	40	32	21	13	11
3	2.0	4.4	5.5	14	26	28	34	39	31	20	13	11
4	2.0	4.6	6	16	44	28	37	38	30	20	13	10
5	2.0	5	6	36	196	26	37	37	29	19	13	10
6	2.0	5	6	32	148	25	36	36	28	18	13	10
7	1.8	5.5	6	28	90	27	38	36	28	17	13	10
8	1.8	5.5	7	26	74	25	176	36	27	17	13	10
9	1.7	6	7	39	63	24	103	36	26	17	13	10
10	1.5	6	9	50	58	24	81	36	26	17	12	10
11	1.7	6	8.5	46	55	23	72	35	26	16	12	10
12	1.7	6	9	41	51	24	67	35	26	16	12	9.5
13	1.8	6	60	37	49	25	63	35	25	15	12	9.5
14	2.1	6	217	34	46	26	59	35	25	15	12	9
15	2.1	6	95	40	44	28	59	35	25	15	11	9.5
16	2.1	7	57	34	43	27	55	34	25	15	11	9
17	18	6	45	33	41	26	52	34	25	15	11	9
18	67	7	39	30	39	26	49	34	25	14	10	9
19	25	7.5	31	28	38	26	47	33	25	14	10	9
20	11	7	26	26	37	25	45	32	24	14	10	9.5
21	8	7	23	23	36	24	45	32	24	14	10.	10
22	7	6.5	21	22	34	23	44	32	24	14	9.5	11
23	6	6.5	20	21	34	23	43	32	24	14	9.5	11
24	5.5	6	20	21	32	23	43	32	24	13	10	10
25	5	5.5	19	21	31	23	42	32	23	13	20	10
26	4.8	5.5	19	21	29	23	41	31	23	13	26	9.5
27	4.6	5.5	18	23	28	26	41	31	23	13	13	9
28	4.4	5.5	21	23	28	27	41	31	23	13	12	9
29	4.2	5.5	20	26	-	28	42	31	22	13	11	9
30	4.2	5.5	18	26	-	29	41	32	21	13	11	9
31	4.2	-	17	26	-	31	-	32	-	13	11	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	209.2	67	1.5	6.75	415
November	173.9	7.5	4.2	5.80	345
December	867.5	217	5.5	28.0	1,720
Calendar year 1934	3,269.9	217	1.5	8.96	6,480
January	874	50	14	28.2	1,730
February	1,446	196	26	51.6	2,870
March	799	31	23	25.8	1,580
April	1,599	176	32	53.3	3,170
May	1,064	40	31	34.3	2,110
June	772	33	21	25.7	1,530
July	482	21	13	15.5	956
August	383.0	26	9.5	12.4	760
September	293.5	11	9	9.78	582
Water year 1934-35	8,963.1	217	1.5	24.6	17,800

Little Rock Creek near Little Rock, Calif.

Location.- Water-stage recorder, lat. 34°27'40", long. 118°1'15", about a quarter of a mile above junction with Santiago Creek and 5 miles south of Little Rock, Los Angeles County.

Drainage area.- 49.0 square miles.

Records available.- October 1930 to September 1935.

Extremes.- Maximum discharge during year, 1,570 second-feet Feb. 5 (gage height, 3.78 feet); no flow Oct. 1-17 and Aug. 3 to Sept. 30.
1930-35: Maximum discharge, 2,200 second-feet Feb. 8, 1932; no flow part of each year.

Remarks.- Daily discharge record furnished by Palmdale Irrigation District and Los Angeles County Flood Control District.

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	0	2.2	3.6	12	36	24	29	30	9.5	1.4	0.1	
2	0	2.2	3.4	12	34	29	29	29	9	1.5	.1	
3	0	2.1	3.2	12	33	28	30	27	8	1.9	0	
4	0	1.9	3.0	14	169	27	36	25	8	1.9	0	
5	0	1.9	3.0	137	1,210	26	35	24	7.5	1.5	0	
6	0	1.8	2.9	68	648	25	33	22	7	1.3	0	
7	0	1.8	2.7	48	339	28	33	22	7	1.2	0	
8	0	1.8	17	40	228	27	616	20	6	1.2	0	
9	0	1.7	40	60	160	25	376	19	6	1.2	0	
10	0	1.7	23	111	122	24	218	19	5.5	1.1	0	
11	0	1.7	17	68	89	24	160	19	5.5	1.0	0	
12	0	1.5	19	50	66	27	125	18	5	.9	0	
13	0	1.5	307	44	53	32	95	17	5	.8	0	
14	0	1.5	722	37	50	38	77	17	5	.7	0	
15	0	1.5	339	45	47	43	70	17	4.7	.6	0	
16	0	6.5	164	40	43	37	60	16	4.2	.6	0	
17	0	8.5	33	33	40	34	52	16	4.0	.6	0	
18	52	7.5	50	30	37	32	49	15	3.8	.5	0	
19	41	8	38	29	37	31	46	15	3.6	.5	0	
20	19	7.5	30	25	36	29	45	14	3.2	.4	0	
21	12	6	25	24	35	28	44	14	2.9	.4	0	
22	8	5.5	22	23	34	27	43	13	2.5	.3	0	
23	6	5	19	23	33	26	42	13	2.4	.3	0	
24	5	4.7	17	25	31	28	40	12	1.9	.2	0	
25	4.2	4.5	15	32	28	28	37	11	1.8	.1	0	
26	3.8	4.2	14	36	27	28	34	11	1.7	.1	0	
27	3.2	4.0	13	37	26	28	32	10	1.4	.1	0	
28	3.0	4.0	16	37	25	29	31	10	1.4	.1	0	
29	2.5	3.8	15	36	-	29	33	10	1.4	.1	0	
30	2.4	3.6	13	36	-	29	35	10	1.4	.1	0	
31	2.2	-	12	35	-	29	-	10	-	.1	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	164.3	52	0	5.3	326
November	110.1	8.5	1.5	3.67	218
December	2,051.8	722	2.7	66.2	4,070
Calendar year 1934	3,847.5	722	0	10.5	7,630
January	1,259	137	12	40.6	2,500
February	3,716	1,210	25	133	7,370
March	899	43	24	29.0	1,780
April	2,585	616	29	86.2	5,130
May	525	30	10	16.9	1,040
June	136.3	9.5	1.4	4.54	270
July	22.7	1.9	.1	.73	45
August	.2	.1	0	.006	.4
September	0	0	0	0	0
Water year 1934-35	11,469.4	1,210	0	31.4	22,750

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 1935.

Average discharge.- 28 years, 228 second-feet.

Extremes.- Maximum discharge during year, 476 second-feet June 14 (gage height, 3.03 feet); minimum, 30 second-feet Jan. 17.
1903-23, 1927-35: Maximum discharge recorded, 1,190 second-feet June 30, 1907 (gage height, 4.0 feet); minimum, 5.4 second-feet Feb. 13, 1923.

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

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	92	123	115	104	129	127	418	138	240	309	149	123
2	92	114	109	109	129	131	430	129	240	300	159	131
3	92	109	112	109	131	133	402	129	252	285	159	123
4	94	109	112	121	135	119	362	127	288	267	151	115
5	92	110	106	128	135	123	338	125	337	261	146	115
6	92	110	101	125	155	142	279	129	374	248	136	107
7	95	114	109	112	148	140	260	133	404	243	125	107
8	95	112	110	120	148	138	334	131	430	236	115	107
9	90	112	110	142	142	131	252	135	434	222	112	102
10	95	112	109	129	145	140	271	142	442	216	107	96
11	96	112	112	142	142	135	290	142	447	216	110	95
12	101	112	117	129	131	135	282	145	451	213	100	96
13	101	112	138	131	131	140	212	142	451	213	133	94
14	101	112	159	142	121	142	242	138	455	223	123	94
15	112	112	138	142	131	145	242	135	442	244	118	93
16	117	145	122	95	135	148	260	142	415	287	110	95
17	122	131	120	71	135	145	193	141	392	455	110	99
18	130	133	115	72	133	140	165	136	385	374	110	99
19	125	131	120	111	131	145	158	133	378	315	110	98
20	118	123	125	148	131	138	156	143	392	292	105	96
21	117	123	123	125	127	145	155	153	404	268	98	99
22	115	123	122	129	131	127	152	165	415	245	98	99
23	112	122	118	145	133	150	148	180	396	221	102	107
24	112	115	118	142	127	145	150	200	378	198	92	102
25	110	117	114	142	123	148	155	223	364	190	107	110
26	110	122	114	140	129	158	145	223	340	172	133	110
27	110	117	110	138	129	193	148	255	334	162	133	102
28	110	115	112	140	129	256	142	252	337	157	133	101
29	110	120	106	140	-	298	148	258	334	151	126	105
30	110	118	120	135	-	346	148	270	318	149	118	112
31	110	-	109	133	-	398	-	264	-	149	115	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,278	130	90	106	6,500
November	3,540	145	109	118	7,020
December	3,625	159	101	117	7,190
Calendar year 1934	45,923	289	70	126	91,080
January	3,891	148	71	126	7,720
February	3,746	155	121	134	7,430
March	5,101	398	119	165	10,120
April	7,036	430	142	235	13,960
May	5,158	270	125	166	10,230
June	11,269	455	240	376	22,350
July	7,481	455	149	241	14,840
August	3,747	159	92	121	7,430
September	3,132	131	93	104	6,210
Water year 1934-35	61,004	455	71	167	121,000

Owens River at Pleasant Valley, near Bishop, Calif.

Location.- Water-stage recorder, lat. 37°25', 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 1935.

Average discharge.- 17 years, 227 second-feet.

Extremes.- Maximum discharge during year, 755 second-feet June 12 (gage height, 5.00 feet); minimum, 96 second-feet Jan. 17.
1918-35: 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 above station. Daily-discharge record furnished by city of Los Angeles.

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	130	182	154	146	174	174	444	194	330	460	218	178
2	126	165	133	145	174	178	451	180	348	445	225	188
3	125	157	152	145	178	180	440	176	364	424	225	175
4	128	157	158	146	178	180	365	172	435	402	217	174
5	131	157	149	148	179	167	342	170	510	383	212	168
6	131	155	140	149	204	181	302	176	592	364	202	164
7	131	155	154	150	188	183	277	183	624	354	192	163
8	142	155	161	167	180	176	350	180	634	344	181	163
9	133	155	162	183	179	171	279	187	640	336	175	161
10	135	155	154	173	186	181	293	195	646	319	175	150
11	135	151	155	184	179	178	300	197	660	307	181	146
12	136	151	161	173	182	180	276	198	660	300	201	146
13	137	151	193	170	183	180	240	195	656	315	196	144
14	138	149	216	182	166	180	267	188	638	336	193	142
15	139	151	193	185	171	184	270	184	594	382	190	141
16	140	193	168	149	181	184	286	188	552	450	187	142
17	141	176	165	123	180	182	233	187	525	555	183	150
18	142	182	162	127	180	180	212	181	530	505	180	145
19	143	183	159	148	179	186	205	176	548	458	177	141
20	144	172	168	157	176	181	204	184	586	414	168	145
21	145	166	165	168	173	183	204	195	602	376	157	146
22	146	166	161	181	175	162	204	211	612	346	153	146
23	147	165	153	193	176	197	200	240	596	324	161	157
24	147	153	157	186	171	194	197	270	570	306	147	153
25	153	159	158	185	166	196	201	307	535	291	167	149
26	151	165	157	184	171	204	193	309	518	271	189	151
27	149	161	157	184	174	233	193	333	532	261	186	145
28	149	158	157	185	174	276	190	339	535	248	189	142
29	151	165	154	183	-	318	194	351	518	235	185	146
30	153	161	150	182	-	363	200	364	482	233	177	153
31	153	-	147	176	-	376	-	355	-	220	174	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,351	153	125	140	8,630
November	4,871	193	149	162	9,660
December	4,973	216	133	160	9,860
Calendar year 1934	60,071	338	90	165	119,200
January	5,157	193	123	166	10,230
February	4,977	204	166	178	9,870
March	6,288	376	162	203	12,470
April	8,012	451	190	267	15,890
May	6,965	364	170	225	13,810
June	16,592	660	330	553	32,910
July	10,964	555	220	354	21,750
August	5,763	225	147	186	11,430
September	4,614	188	141	154	9,150
Water year 1934-35	83,527	660	123	229	165,700

130346 O—37——5

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 1935.

Average discharge.- 29 years, 330 second-feet.

Extremes.- Maximum discharge during year, 592 second-feet Nov. 27 (gage height, 4.10 feet); minimum, 5 second-feet Nov. 15-22.
1906-35: 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 18,600 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	199	228	557	256	304	295	482	309	420	436	348	299
2	198	228	474	250	303	293	464	309	417	425	348	299
3	198	240	327	246	303	295	482	290	420	425	348	305
4	200	236	287	260	303	303	485	284	417	424	348	348
5	202	232	277	268	304	301	410	276	422	428	348	347
6	200	232	271	295	314	292	295	278	420	430	342	346
7	193	234	256	303	328	287	244	275	424	431	335	346
8	188	237	256	295	351	295	224	276	420	433	323	346
9	185	243	261	292	335	296	218	276	422	433	296	344
10	185	243	261	303	341	292	216	282	425	431	280	376
11	185	185	260	311	354	288	182	291	428	425	247	420
12	188	10	255	303	357	296	178	299	427	413	268	425
13	193	6	268	308	346	295	230	301	422	405	450	437
14	195	6	274	298	340	296	340	301	425	405	448	437
15	195	5	290	304	338	296	354	311	424	402	445	430
16	200	5	287	312	319	295	373	291	424	403	443	428
17	210	5	236	311	322	316	378	286	424	405	442	422
18	228	5	205	264	343	319	383	291	425	406	437	368
19	240	5	231	258	343	317	351	287	425	403	445	275
20	248	5	238	258	320	311	341	289	427	402	454	254
21	242	5	261	271	309	317	336	286	428	403	452	264
22	237	5	271	295	298	296	338	301	430	405	450	264
23	234	213	271	284	296	243	335	320	430	390	450	268
24	231	437	269	301	295	165	320	335	431	351	452	271
25	231	434	266	308	293	136	317	358	433	349	455	275
26	230	437	266	304	287	132	320	383	433	347	450	271
27	230	508	264	303	287	132	320	417	433	347	450	269
28	228	576	263	304	293	298	317	408	436	347	380	276
29	225	584	260	301	-	482	312	391	441	348	114	262
30	228	567	258	303	-	418	311	406	441	348	152	260
31	224	-	244	303	-	524	-	416	-	348	302	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,570	248	185	212	13,030
November	6,356	584	5	212	12,610
December	8,664	557	205	279	17,180
Calendar year 1934	98,135	584	5	269	194,700
January	8,972	312	246	289	17,800
February	8,926	357	287	319	17,700
March	9,121	524	132	294	18,090
April	9,856	485	178	329	19,550
May	9,823	417	275	317	19,480
June	12,794	441	417	426	25,380
July	12,348	436	347	398	24,490
August	11,482	455	114	370	22,770
September	9,932	437	254	331	19,700
Water year 1934-35	114,844	584	5	315	227,800

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 1935.

Average discharge.- 13 years, 20.2 second-feet.

Extremes.- Maximum discharge during year, 77 second-feet June 12 (gage height, 2.08 feet); minimum, 2.5 second-feet Dec. 2.
1922-35: Maximum discharge recorded, 162 second-feet June 17, 1927 (gage height, 3.04 feet at former gage); minimum, 1.8 second-feet Jan. 6, 7, 1930.

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

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	8	8.5	7	6.5	11	11	13	20	36	53	19	14
2	7.5	8	4.9	8	11	11	13	19	37	49	20	15
3	7	8	7.5	9	11	11	13	19	40	45	21	14
4	7	8	e	8.5	11	7.5	13	20	46	42	21	14
5	7	7.5	7.5	10	11	11	13	21	55	40	20	14
6	7	7.5	7	9.5	12	11	13	22	64	37	19	14
7	7	7.5	6.5	9	11	10	14	23	70	34	18	13
8	7	7.5	9	11	11	9.5	15	24	71	31	15	13
9	6.5	7.5	10	11	10	10	13	25	74	28	15	13
10	6.5	7.5	8.5	11	11	15	14	26	74	25	15	12
11	6.5	7.5	9.5	11	9	13	15	27	74	25	18	11
12	6.5	7.5	10	11	10	12	15	27	76	24	19	11
13	6.5	7.5	11	11	10	12	15	27	77	24	20	10
14	6.5	7.5	11	11	10	13	18	25	75	26	20	10
15	7	7.5	10	11	8.5	11	16	20	71	39	20	9.5
16	7.5	9	7.5	11	12	11	17	20	64	53	20	9
17	7.5	8.5	8	11	11	10	14	20	60	62	19	9
18	10	8.5	6	15	11	11	16	19	60	61	18	8.5
19	8.5	8.5	11	14	11	11	17	17	63	56	18	8.5
20	8.5	e	10	15	11	10	16	17	70	55	18	8.5
21	8.5	8.5	9	18	10	7	19	16	74	45	17	8.5
22	8	9	8.5	17	11	9	19	16	76	41	16	8.5
23	8	10	7.5	13	10	13	20	23	76	37	15	9.5
24	8	8.5	8	13	9	11	20	27	74	34	15	9
25	8	7.5	7	12	8	11	20	29	70	30	14	9
26	8	9	7.5	12	9.5	11	20	30	63	27	15	9.5
27	8	8	5.5	12	12	12	20	31	62	25	15	9
28	8	8.5	8.5	12	11	13	21	40	63	21	14	9
29	8	10	6	11	-	13	22	45	62	20	14	9
30	7.5	8.5	8.5	11	-	13	21	45	58	19	14	9
31	7.5	-	8.5	11	-	13	-	42	-	19	14	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	233.0	10	6.5	7.52	462
November	242.0	10	5.5	8.07	480
December	256.4	11	4.9	8.27	509
Calendar year 1934	4,009.9	22	4.9	11.0	7,960
January	356.5	18	6.5	11.5	707
February	294.0	12	8	10.5	583
March	347.0	15	7	11.2	688
April	499	22	13	16.6	990
May	784	45	16	25.3	1,560
June	1,937	77	37	64.6	3,840
July	1,127	62	19	36.4	2,240
August	536	21	14	17.3	1,060
September	321.0	15	8.5	10.7	637
Water year 1934-35	6,932.9	77	4.9	19.0	13,760

Rock Creek near Round Valley, Calif.

Location.- Water-stage recorder, lat. 37°28'25", 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 1935.

Average discharge.- 25 years, 38.5 second-feet.

Extremes.- Maximum discharge during year, 84 second-feet June 11 (gage height, 2.41 feet); minimum, 10 second-feet Sept. 19.
1903-23, 1930-35: 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 above station for irrigation. Record of daily discharge furnished by city of Los Angeles.

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	11	15	13	15	20	21	18	24	46	60	25	18
2	11	16	12	18	20	22	18	24	46	55	22	18
3	11	17	13	19	20	22	19	24	48	52	23	19
4	12	17	14	20	20	19	19	24	49	49	24	18
5	12	16	16	26	21	19	17	25	53	48	24	17
6	12	16	15	22	29	21	13	25	66	44	23	16
7	12	16	16	21	23	22	12	25	75	41	22	16
8	12	16	18	22	22	19	18	25	72	36	21	16
9	12	16	20	26	20	20	14	27	75	30	20	16
10	12	16	18	23	25	24	14	29	77	27	20	16
11	12	15	18	22	20	24	14	28	80	23	22	15
12	12	15	19	22	20	25	14	28	81	20	24	15
13	11	14	21	20	22	24	14	27	81	23	24	15
14	11	14	21	21	20	24	19	25	59	26	24	14
15	12	14	20	24	19	22	20	22	50	35	25	14
16	13	15	18	19	21	22	18	23	47	51	31	13
17	13	15	18	16	22	22	18	23	46	62	30	14
18	14	15	16	18	22	21	19	24	47	67	29	11
19	14	15	19	18	21	22	20	20	50	62	25	10
20	14	15	20	17	21	18	20	21	62	56	19	13
21	14	15	19	20	20	16	21	21	66	52	18	14
22	14	15	19	24	20	13	22	22	63	48	17	13
23	14	15	17	26	21	20	21	25	61	43	17	14
24	14	13	18	22	19	20	22	26	62	42	12	14
25	15	14	18	22	17	18	21	32	49	37	17	12
26	15	16	18	21	18	17	22	31	63	36	20	13
27	15	16	19	21	21	18	20	29	70	34	19	13
28	15	14	19	21	21	18	22	37	72	31	19	13
29	15	16	16	21	-	18	24	41	70	30	19	14
30	14	14	17	21	-	18	24	49	67	28	19	15
31	14	-	18	21	-	18	-	47	-	28	19	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	402	15	11	13.0	797
November	456	17	13	15.2	904
December	543	21	12	17.5	1,080
Calendar year 1934	5,927.5	80	9	16.2	11,750
January	649	26	15	20.9	1,290
February	585	29	17	20.9	1,160
March	627	25	13	20.2	1,240
April	557	24	12	18.6	1,100
May	853	49	20	27.5	1,690
June	1,853	61	46	61.8	3,680
July	1,276	67	20	41.2	2,530
August	673	31	12	21.7	1,330
September	439	19	10	14.6	871
Water year 1934-35	8,913	81	10	24.4	17,670

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 1935.

Average discharge.- 14 years, 36.3 second-feet.

Extremes.- Maximum discharge during year, 228 second-feet June 5 (gage height, 3.07 feet); minimum, 10 second-feet Jan. 21.
1922-35: Maximum discharge, 315 second-feet June 20, 1922 (gage height, 3.65 feet); 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	17	16	15	16	16	17	28	57	112	58	33
2	16	17	16	16	16	16	17	26	102	107	54	32
3	16	17	16	16	16	16	17	26	114	96	53	32
4	16	16	16	16	16	15	17	25	140	94	51	30
5	16	16	16	16	16	15	16	26	156	96	49	30
6	16	16	16	16	17	16	17	27	182	92	47	29
7	16	16	16	16	17	16	18	30	174	88	42	29
8	16	16	16	16	17	16	19	41	180	86	41	28
9	16	16	16	16	17	16	18	49	166	82	40	27
10	16	16	16	15	16	16	18	51	171	81	40	26
11	16	16	16	15	16	16	18	49	160	82	43	25
12	16	16	16	15	16	16	18	46	180	86	48	25
13	16	16	17	15	16	16	19	43	163	90	45	24
14	16	16	17	15	16	16	23	41	148	102	43	24
15	16	16	16	15	16	16	22	41	122	113	39	23
16	16	17	16	15	16	16	21	38	117	124	38	23
17	17	17	16	13	16	16	21	38	126	124	36	22
18	17	17	16	11	16	16	21	36	146	110	34	22
19	17	17	16	11	16	16	22	36	155	96	33	22
20	17	16	16	10	16	15	23	41	170	92	32	22
21	17	15	16	12	16	15	24	48	170	84	31	22
22	16	15	16	16	16	15	24	60	165	76	31	23
23	16	16	16	16	16	15	25	75	158	71	30	22
24	16	16	16	16	16	15	26	86	141	68	28	23
25	16	16	16	16	16	15	26	72	134	65	30	21
26	16	16	16	16	16	15	27	86	135	62	30	21
27	16	16	16	16	16	16	27	86	141	60	31	21
28	16	16	16	16	16	16	28	86	141	57	34	21
29	16	16	14	16	-	17	30	86	129	56	34	21
30	16	16	16	16	-	17	29	86	117	56	33	21
31	16	-	14	16	-	17	-	71	-	58	33	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	501	17	16	16.2	994
November	485	17	15	16.2	962
December	494	17	14	15.9	980
Calendar year 1934	8,506	67	14	23.3	16,870
January	465	16	10	15.0	922
February	452	17	16	16.1	897
March	490	17	15	15.8	972
April	648	30	16	21.6	1,290
May	1,580	86	25	51.0	3,130
June	4,362	182	57	145	8,650
July	2,668	124	56	86.1	5,290
August	1,211	58	28	39.1	2,400
September	744	33	21	24.8	1,480
Water year 1934-35	14,100	182	10	38.6	27,970

Pine Creek near Round Valley, Calif.

Location.- Water-stage recorder, lat. 37°26'10", 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 1935.

Average discharge.- 25 years, 21.3 second-feet.

Extremes.- Maximum discharge during year, 146 second-feet June 12 (gage height, 2.56 feet); minimum, 0.4 second-foot May 4.
1903-23, 1930-35: 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 above station for irrigation. Daily-discharge record furnished by city of Los Angeles.

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	2.7	3.7	3.0	3.3	4.0	3.7	1.7	1.1	18	56	12	4.7
2	2.4	3.2	3.5	3.3	4.0	4.2	1.5	.6	40	52	12	4.7
3	2.4	3.2	4.0	3.3	4.0	4.9	1.e	.7	60	51	13	4.9
4	2.4	3.2	4.0	4.7	4.0	3.7	2.2	1.5	58	50	13	3.8
5	2.4	3.2	3.7	10	4.6	3.3	1.5	.6	102	50	14	3.0
6	2.4	3.2	3.8	6.5	16	3.0	1.2	1.0	114	42	12	3.7
7	2.4	3.2	3.e	5	5.5	3.8	1.0	2.2	111	39	10	3.7
8	2.7	3.0	4.0	5.5	4.4	3.7	4.2	2.4	109	39	10	3.8
9	2.7	3.0	4.0	7	4.4	3.0	2.4	1.9	104	38	10	4.7
10	2.5	3.0	4.0	7.5	7.5	3.0	2.1	1.1	106	37	10	4.6
11	2.7	3.5	4.0	4.9	5.5	3.0	1.7	1.0	109	33	10	3.8
12	2.7	3.8	4.0	4.4	4.4	3.0	1.4	1.1	121	35	10	3.7
13	2.7	3.8	5.5	4.6	4.4	3.0	1.4	1.1	123	38	8	3.7
14	2.8	3.8	4.4	4.2	4.2	2.9	2.1	.8	98	54	4.2	3.7
15	3.0	4.0	4.0	6	3.8	2.8	2.8	1.5	69	65	2.5	3.5
16	3.2	4.2	3.8	3.7	4.0	2.7	3.0	1.8	52	79	2.7	3.3
17	3.3	4.2	3.e	3.3	4.0	2.6	1.9	1.2	56	96	2.5	3.5
18	4.4	4.0	3.7	3.0	4.0	2.6	1.9	1.5	66	77	3.7	3.2
19	3.7	4.7	3.7	3.0	4.0	2.5	1.8	2.7	81	64	4.2	2.8
20	3.5	4.0	3.8	2.8	3.8	2.4	1.7	3.0	98	52	4.4	2.1
21	3.5	3.8	3.8	3.3	3.5	2.5	1.7	4.4	101	41	5.5	1.5
22	3.3	4.0	3.7	4.4	3.7	2.5	1.6	12	102	36	5.5	2.2
23	3.3	4.2	3.7	5.5	4.0	2.5	1.6	20	101	31	5	2.5
24	3.5	3.8	3.7	4.9	3.7	3.7	1.5	31	96	28	5.5	2.1
25	3.7	3.7	3.5	4.6	3.7	3.2	1.4	31	70	26	6.5	1.0
26	3.3	3.5	3.7	4.2	3.7	3.0	2.7	31	70	23	4.0	.8
27	3.3	3.5	3.7	4.0	3.7	2.8	1.9	39	83	20	2.8	1.1
28	3.5	3.3	4.6	4.0	3.7	2.2	.5	39	81	18	5.5	1.3
29	3.7	3.3	3.2	4.4	-	2.1	.5	33	66	12	6	.5
30	3.7	3.0	3.3	4.4	-	1.9	1.4	22	59	11	6	.6
31	3.7	-	3.3	4.0	-	1.8	-	14	-	8.5	4.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	95.5	4.4	2.4	3.08	189
November	108.0	4.7	3.0	3.60	214
December	118.7	5.5	3.0	3.83	235
Calendar year 1934	1,576.1	40	0.1	4.32	3,130
January	143.7	10	2.8	4.64	285
February	130.2	16	3.5	4.65	258
March	92.0	4.9	1.8	2.97	182
April	54.1	4.2	.5	1.80	107
May	305.2	39	.6	9.85	605
June	2,524	123	18	84.1	5,010
July	1,301.5	96	8.5	42.0	2,580
August	225.1	14	2.5	7.26	446
September	88.5	4.9	.5	2.95	176
Water year 1934-35	5,186.5	123	.5	14.2	10,290

Mono Lake near Mono Lake, Calif.

Location.- Staff gage, lat. 38°, 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 1935.

Extremes.- 1912-35: Maximum stage, 37.4 feet July 18, 1919; minimum, 24.2 feet Sept. 27, 1935.

Remarks.- The following table shows the stage above a datum that is 6,390.29 feet above mean sea level according to the datum used in U. S. Geological Survey Bulletin 766 (1925) and also used by city of Los Angeles in its Mono Basin survey, and 6,390.66 feet above mean sea level according to U. S. Coast and Geodetic Survey levels of 1932 referred to the 1929 general adjustment of level net. See Water-Supply Paper 765 (1934) for summary of previous Mono Lake records.

Gage height, in feet, water year 1934-35

Date	U. S. Forest Service	City of Los Angeles	Date	U. S. Forest Service	City of Los Angeles
1934			1935		
Oct. 2	-	24.6	Feb. 12	-	24.7
3	-	24.6	19	-	24.7
6	-	24.6	26	-	24.7
8	-	24.6	Mar. 9	-	24.8
9	-	24.6	13	-	24.8
16	-	24.6	22	-	24.8
20	-	24.6	27	-	24.8
22	-	24.6	Apr. 5	-	24.8
23	-	24.5	10	-	24.9
27	-	24.5	11	24.9	-
29	-	24.5	19	-	24.9
30	24.5	24.5	25	-	24.9
Nov. 2	-	24.4	May 3	-	24.9
5	-	24.5	8	-	24.9
8	-	24.5	13	-	24.9
12	-	24.5	21	-	24.9
13	-	24.5	27	24.9	-
16	-	24.4	June 1	-	24.9
19	-	24.4	7	-	24.9
21	-	24.5	10	-	24.9
27	-	24.5	18	-	24.9
28	-	24.4	24	25.0	24.9
30	24.4	-	July 2	-	24.9
Dec. 7	-	24.4	8	-	24.9
10	-	24.3	16	24.9	24.9
15	-	24.4	24	-	24.8
18	-	24.4	Aug. 1	-	24.8
29	-	24.4	6	-	24.7
31	24.4	-	14	-	24.7
1935			19	24.8	-
Jan. 1	-	24.4	22	-	24.6
10	-	24.5	27	-	24.6
18	-	24.6	Sept. 2	-	24.5
26	-	24.5	15	24.3	-
31	-	24.5	16	-	24.3
Feb. 6	-	24.6	27	-	24.2

WALKER LAKE BASIN

Walker Lake near Hawthorne, Nev.

Location.- Elevations determined by spirit leveling, lat. 38°35', long. 116°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 1935. Occasional readings prior to August 1928.

Extremes.- 1928-35: Maximum elevation observed, 4,051.8 feet Mar. 13, 1928 (U. S. Indian Service); minimum, 4,026.2 feet Sept. 10, 1935. On Sept. 27, 1908, Lake elevation was 4,078.0 feet, determined by U. S. Coast and Geodetic Survey. Elevations based on 1912 adjustment elevations of bench marks along precise level lines of Coast and Geodetic Survey.

Elevations, in feet, above mean sea level, water year 1934-35

Oct. 7	4,028.6	Apr. 2	4,027.3
Nov. 5	4,028.2	May 9	4,027.4
Jan. 18	4,027.5	June 6	4,027.0
Feb. 5	4,027.8	July 9	4,027.15
Mar. 4	4,027.6	Aug. 10	4,026.7
		Sept.10	4,026.2

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., 4½ miles north of Bridgeport.

Records available.- October 1931 to September 1935.

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

Contents, acre-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	432	1,060	3,600	6,240	9,260	12,630	17,920	24,240	19,520	31,090	29,640	19,240
2	432	1,140	3,720	6,280	9,380	12,700	18,440	24,140	19,610	31,570	28,930	19,060
3	432	1,240	3,640	6,380	9,480	12,770	19,240	23,830	19,700	32,080	28,240	18,780
4	432	1,320	3,900	6,460	9,650	12,900	19,980	23,620	19,700	32,330	27,900	18,780
5	432	1,400	3,960	6,540	9,820	13,040	20,440	23,300	19,980	32,590	27,550	18,700
6	432	1,480	4,020	6,680	9,870	13,100	20,720	23,000	20,160	32,840	26,860	18,610
7	420	1,520	4,080	6,770	9,920	13,170	21,010	22,900	20,440	32,960	26,530	18,610
8	420	1,600	4,180	6,900	10,040	13,240	21,400	23,000	20,920	33,090	26,200	18,610
9	420	1,660	4,220	7,030	10,020	13,310	21,700	22,380	21,400	33,090	25,760	18,610
10	420	1,710	4,250	7,120	10,320	13,380	22,190	21,800	21,900	32,960	25,320	18,350
11	420	1,780	4,280	7,220	10,440	13,450	22,480	21,500	22,280	32,840	24,880	18,180
12	420	1,860	4,380	7,260	10,500	13,580	22,790	21,300	22,680	32,720	24,450	18,090
13	416	1,930	4,540	7,410	10,610	13,720	23,200	21,110	23,200	32,590	24,040	17,660
14	416	1,980	4,710	7,500	10,730	13,850	23,410	20,720	23,720	32,460	23,830	17,320
15	420	2,070	4,860	7,600	10,790	14,060	23,620	20,440	24,140	32,330	23,520	17,060
16	426	2,150	4,960	7,700	10,910	14,290	23,940	20,160	24,560	32,590	23,100	17,060
17	426	2,310	5,080	7,790	11,030	14,430	24,040	19,980	24,990	32,720	22,900	17,060
18	438	2,410	5,150	7,890	11,140	14,580	24,240	19,610	25,430	32,840	22,580	17,060
19	474	2,560	5,260	7,980	11,260	14,660	24,340	19,420	25,650	32,840	22,380	17,060
20	509	2,700	5,330	8,080	11,380	14,730	24,450	19,240	26,200	32,720	22,190	17,060
21	555	2,830	5,400	8,180	11,560	14,880	24,560	18,870	26,640	32,590	21,800	17,060
22	586	2,900	5,560	8,230	11,700	14,960	24,560	18,440	27,320	32,460	21,400	17,060
23	618	3,030	5,640	8,340	11,880	15,030	24,560	18,090	28,010	32,200	21,110	17,060
24	626	3,100	5,720	8,490	12,000	15,170	24,660	17,920	28,360	31,950	20,820	16,980
25	665	3,160	5,840	8,590	12,130	15,400	24,660	18,090	28,700	31,570	20,530	16,980
26	707	3,240	5,880	8,690	12,260	15,710	24,660	18,350	29,280	31,330	20,250	16,980
27	766	3,340	5,960	8,740	12,380	15,870	24,660	18,610	29,760	31,090	20,070	16,900
28	826	3,420	6,000	8,840	12,500	16,110	24,660	18,700	30,120	30,730	19,880	16,820
29	875	3,480	6,040	8,950	-	16,420	24,560	18,870	30,610	30,360	19,880	16,740
30	930	3,540	6,120	9,000	-	16,660	24,560	19,060	30,850	30,360	19,610	16,740
31	989	-	6,200	9,160	-	17,320	-	19,330	-	30,000	19,420	-

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 1935. July 1911 to September 1914 at a site 1⅛ miles upstream.

Average discharge.- 12 years (1922-24, 1925-35), 94.1 second-feet.

Extremes.- Maximum mean daily discharge during year, 287 second-feet Aug. 2, 3; minimum observed discharge, 8 second-feet Dec. 20 to Apr. 3.
1921-35: Maximum discharge (estimated), 1,050 second-feet June 28-30, 1922; minimum, 2 second-feet several times when reservoir gates were closed.

Remarks.- Records good. 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.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used July 25 to Sept. 30)

2.2	5	3.4	150
2.4	17	3.6	189
2.6	35	3.8	232
2.8	58	4.0	279
3.0	84	4.2	330
3.2	115		

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	46	10	9	8	8	8	8	189	260	204	274	156
2	46	10	9	8	8	8	8	189	260	204	287	156
3	46	10	9	8	8	8	8	189	260	204	287	137
4	46	10	9	e	8	8	43	189	260	204	286	114
5	46	10	9	8	8	8	78	189	260	204	286	110
6	43	10	9	8	8	8	78	189	260	204	285	109
7	43	10	9	8	8	8	78	189	260	204	285	109
8	43	10	9	8	8	e	78	189	260	204	284	101
9	43	10	9	8	e	8	78	213	260	213	284	128
10	43	10	9	8	8	8	78	237	260	222	283	155
11	43	10	9	8	8	8	78	237	260	222	282	156
12	43	10	9	8	8	8	91	237	260	222	282	189
13	43	10	9	8	8	8	104	237	262	222	263	222
14	40	10	9	8	8	8	104	237	262	222	244	222
15	40	10	9	8	8	8	104	237	262	222	244	188
16	40	10	9	8	8	8	104	237	262	222	230	86
17	40	10	9	e	8	8	104	244	262	222	217	86
18	40	10	9	8	8	8	104	250	262	222	217	85
19	40	10	9	8	8	8	107	250	237	222	216	85
20	40	10	8	8	8	8	130	250	212	236	216	81
21	40	9	8	8	8	8	154	250	212	250	215	76
22	40	9	8	8	8	8	154	266	212	252	215	68
23	28	9	8	8	8	8	154	282	212	267	214	64
24	16	9	8	8	8	8	154	282	200	267	214	56
25	16	9	8	8	8	8	154	271	189	266	213	63
26	16	9	8	8	8	8	154	260	189	266	213	76
27	14	9	8	8	8	8	154	260	189	266	212	81
28	11	9	8	8	8	8	152	260	196	265	212	81
29	11	9	8	8	-	8	148	260	204	265	184	81
30	11	9	8	8	-	8	168	260	204	265	157	81
31	11	-	8	8	-	8	-	260	-	265	157	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,068	46	11	34.5	2,120
November	290	10	9	9.7	575
December	267	9	8	8.6	530
Calendar year 1934	23,444	221	6	64.2	46,500
January	248	8	8	8.0	492
February	224	8	e	8.0	444
March	248	8	8	8.0	492
April	3,111	168	8	104	6,170
May	7,269	282	189	235	14,460
June	7,148	262	189	238	14,180
July	7,201	267	204	232	14,280
August	7,458	287	157	241	14,790
September	3,402	222	56	113	6,750
Water year 1934-35	37,954	287	8	104	75,280

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.- June 1915 to September 1935. October 1902 to July 1908 at a site half a mile upstream.

Average discharge.- 25 years (1902-7, 1915-35), 277 second-feet.

Extremes.- Maximum discharge during year, 1,950 second-feet June 13 (gage height, 5.17 feet); minimum, 22 second-feet Dec. 18 (gage height, 1.45 feet).
1915-35: Maximum, 2,710 second-feet June 12, 1921 (gage height, 5.74 feet); minimum, 5 second-feet Dec. 3, 1924, Aug. 27, 1931.

Remarks.- Records fair. Station is above diversions except for a few small ranch ditches. Very slight regulation from storage in Poor Lake Reservoir, 17 miles upstream; capacity unknown.

Rating table water year 1934-35 (gage height, in feet, and discharge, in second-feet)

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

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	34	53	48	51	45	49	141	410	878	728	*195	*83
2	33	49	40	41	45	53	143	388	1,130	668	*185	*82
3	32	49	48	45	45	51	156	330	1,250	620	*180	†82
4	31	50	43	45	47	37	143	326	1,350	625	*170	*80
5	31	54	41	43	47	39	136	391	1,500	640	*165	*75
6	31	55	40	44	49	56	131	520	1,580	625	*160	*75
7	37	53	48	44	47	49	146	610	1,520	575	†156	*70
8	40	50	48	45	47	48	172	680	1,530	540	*150	*70
9	37	49	45	47	45	41	151	722	1,410	475	*140	*85
10	36	49	41	42	47	58	146	710	1,350	465	*135	63
11	35	48	43	47	47	56	151	650	1,350	470	*125	68
12	34	48	43	51	45	58	167	585	1,590	510	*120	68
13	34	47	45	49	40	65	205	560	1,540	560	*110	69
14	34	45	45	45	41	82	274	600	1,320	635	*105	69
15	35	54	42	43	42	69	364	635	1,120	770	*100	69
16	38	62	36	35	48	71	286	585	1,040	656	*95	68
17	40	58	39	27	47	69	252	490	1,080	610	89	68
18	42	53	37	39	49	71	238	465	1,140	535	83	68
19	43	45	44	45	50	65	282	535	1,250	470	79	65
20	45	51	41	51	55	58	378	610	1,350	420	75	63
21	43	59	40	48	53	53	505	734	1,260	355	71	63
22	44	62	40	45	48	61	505	890	1,210	301	66	62
23	43	65	40	43	58	66	520	1,080	1,160	286	62	61
24	45	53	38	42	53	65	520	1,230	1,020	*270	59	61
25	43	71	37	41	50	66	485	1,110	960	*260	59	63
26	43	63	40	41	50	71	500	1,340	995	*250	68	55
27	43	58	29	42	**50	75	535	1,460	1,060	*240	124	53
28	43	51	32	43	**49	77	570	1,350	1,060	*230	178	50
29	44	55	36	43	-	90	615	1,270	946	*220	114	50
30	44	47	41	44	-	109	475	925	842	*210	92	50
31	45	-	39	45	-	131	-	728	-	*200	83	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,202	45	31	38.8	2,380
November	1,606	71	45	53.5	3,190
December	1,269	48	29	40.9	2,520
Calendar year 1934	48,877	595	24	134	96,960
January	1,356	51	27	43.7	2,690
February	1,339	58	40	47.8	2,660
March	2,009	131	37	64.8	3,980
April	9,292	615	131	310	18,430
May	22,899	1,460	326	739	45,420
June	36,791	1,590	842	1,226	72,970
July	14,419	770	200	465	28,600
August	3,593	195	89	116	7,130
September	1,988	83	50	66.3	3,940
Water year 1934-35	97,763	1,590	27	268	193,900

*Estimated because of obstructed intake pipe.
†Discharge measurement.
**Interpolated.

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 1935.

Remarks.- Topaz Reservoir, formerly Alkali Lake, was formed by diverting water through a feeder canal from West Walker River and construction of outlet works through a low saddle in rim of lake. Contents shown represent available storage only. The usuable 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	-	-	-	-	14,700	20,220	-	29,510	31,700	43,620	36,180	20,010
2	1,110	1,340	-	9,610	-	-	25,660	29,510	31,880	43,620	35,730	19,840
3	-	-	-	-	-	-	25,910	29,340	32,580	43,620	35,010	19,500
4	-	-	5,550	10,010	-	-	-	29,080	33,390	43,620	34,290	19,160
5	1,030	-	-	-	15,520	20,980	26,080	28,810	34,110	43,530	33,660	18,990
6	-	1,830	-	-	-	-	26,160	28,640	34,830	43,530	32,940	18,700
7	-	-	6,030	-	-	-	26,340	28,550	35,550	43,710	32,220	18,480
8	-	-	-	10,750	16,270	21,660	26,500	28,720	36,360	43,710	31,440	18,140
9	953	2,230	-	-	-	-	26,500	28,720	36,900	43,710	30,910	17,800
10	-	-	-	-	-	-	26,500	28,810	37,350	43,620	30,480	17,550
11	-	-	6,530	11,430	-	-	26,500	28,900	37,710	43,710	29,950	17,060
12	-	-	-	-	17,260	22,080	26,590	-	38,070	43,530	29,420	16,430
13	876	2,580	-	-	-	-	26,590	28,900	38,430	43,340	28,040	15,810
14	-	-	6,660	-	-	-	26,680	28,810	38,340	43,060	27,360	15,200
15	-	-	-	12,020	17,770	22,600	26,680	28,550	38,610	43,060	26,930	14,610
16	845	2,960	-	-	-	-	27,020	28,380	38,610	43,160	26,340	-
17	-	-	-	-	-	-	27,270	28,380	38,520	43,160	25,910	14,300
18	-	-	7,450	-	-	-	27,360	28,200	38,790	43,160	25,400	-
19	784	-	-	12,640	18,430	23,360	27,520	27,700	39,060	43,160	24,800	14,570
20	-	3,670	-	-	-	-	27,520	27,360	39,600	42,970	24,380	-
21	-	-	8,010	-	-	-	27,610	27,020	40,140	42,790	23,870	-
22	-	-	-	13,040	19,080	23,870	27,860	26,930	40,500	42,600	23,430	-
23	568	4,300	-	-	-	-	28,200	27,180	41,040	41,770	22,880	-
24	-	-	-	-	-	-	28,550	27,610	41,040	41,130	22,370	14,490
25	-	-	8,560	13,480	-	-	28,900	28,200	41,310	40,590	21,950	-
26	568	-	-	-	19,790	24,550	28,990	28,900	41,680	40,140	21,490	-
27	-	4,740	-	-	-	-	29,160	29,510	42,140	39,600	21,010	-
28	-	-	9,290	-	-	-	29,340	30,210	42,790	38,970	20,840	-
29	-	-	-	14,260	-	25,140	29,510	30,740	43,250	38,430	20,470	-
30	1,110	5,160	-	-	-	-	29,510	31,180	43,440	37,710	20,440	-
31	-	-	-	-	-	-	-	31,520	-	37,080	20,220	-

CARSON RIVER BASIN

Carson River near Fort Churchill, Nev.

Location.- Water-stage recorder, lat. 39°17', long. 119°18', in SE¼ sec. 32, T. 17 N. (revised), R. 24 E., 2 miles west of Fort Churchill and 8 miles east of Clifton.

Drainage area.- 1,450 square miles

Records available.- January 1934 to September 1935. April 1911 to December 1933 at a site 8 miles upstream; records practically comparable.

Average discharge.- 24 years (1911-35), 345 second-feet.

Extremes.- Maximum mean daily discharge during year, 1,900 second-feet May 28; no flow Oct. 1-31, Aug. 10 to Sept. 30.
1911-35; Maximum discharge, 6,150 second-feet Jan. 28, 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		2	73	92	109	138	179	1,110	1,310	384	17	
2		2	75	96	113	138	211	760	1,190	349	15	
3		2	63	92	120	138	206	645	1,220	349	15	
4		13	79	90	124	136	264	510	1,350	399	15	
5		29	72	88	131	136	425	450	1,410	327	14	
6		32	75	92	141	136	409	480	1,450	292	13	
7		31	84	111	170	136	1,010	645	1,510	264	10	
8		37	84	113	225	133	996	928	1,570	235	8	
9		41	64	107	228	136	549	1,070	1,570	218	2	
10		43	88	104	201	133	631	1,110	1,480	176	0	
11		43	90	102	185	131	450	1,160	1,310	188	0	
12		41	88	96	182	131	389	1,080	1,220	164	0	
13		41	84	100	167	133	389	1,070	1,250	151	0	
14		41	90	102	156	138	419	1,010	1,250	133	0	
15		43	94	98	148	148	510	945	1,160	122	0	
16		48	107	96	141	164	768	987	970	109	0	
17		50	92	113	138	179	953	1,040	643	96	0	
18		53	90	98	141	179	720	885	643	94	0	
19		62	84	83	136	173	582	736	776	90	0	
20		69	83	70	141	170	575	752	768	94	0	
21		72	81	67	146	167	720	843	800	83	0	
22		79	83	81	148	164	928	902	817	79	0	
23		79	86	84	146	164	1,060	1,100	768	70	0	
24		79	86	86	143	159	1,000	1,350	736	54	0	
25		79	84	92	141	167	970	1,590	683	54	0	
26		83	83	96	141	170	885	1,620	631	47	0	
27		79	81	98	138	170	843	1,850	562	43	0	
28		79	81	104	138	164	885	1,900	562	39	0	
29		79	84	109	-	164	1,000	1,880	468	36	0	
30		75	86	113	-	167	1,120	1,760	435	31	0	
31		-	81	109	-	173	-	1,620	-	25	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	1,506	83	2	50.2	2,990
December	2,615	107	72	84.4	5,190
Calendar year 1934	32,173	694	0	88.1	63,820
January	2,982	113	67	96.2	5,910
February	4,240	228	109	151	8,410
March	4,735	179	131	153	9,390
April	20,048	1,120	179	668	39,760
May	33,988	1,900	450	1,096	67,410
June	30,912	1,570	435	1,030	61,310
July	4,807	399	25	155	9,530
August	109	17	0	3.5	216
September	0	0	0	0	0
Water year 1934-35	105,942	1,900	0	290	210,100

Humboldt River at Palisade, Nev.

Location.- Water-stage recorder, lat. 40°35', long. 116°12', in SW¼ sec. 36, T. 32 N., R. 51 E., 800 feet above lower bridge of Southern Pacific Railroad at Palisade and half a mile above mouth of Pine Creek. Prior to Apr. 23, 1935, a chain gage half a mile upstream was used.

Drainage area.- 5,010 square miles.

Records available.- November 1902 to October 1906, July 1911 to September 1935.

Average discharge.- 27 years (1903-6, 1911-35), 330 second-feet.

Extremes.- Maximum discharge during year, 1,890 second-feet June 15 (gage height, 5.94 feet); minimum observed, 13 second-feet Oct. 1, 3, 6 (gage height, 1.10 feet).
1902-6, 1911-35: Maximum, 4,300 second-feet Mar. 3, 1921 (gage height, 8.6 feet); minimum, 2 second-feet Aug. 25-28, 1931.

Remarks.- Records good. Once-daily readings of staff gage used Oct. 1 to Apr. 22, June 3 to Sept. 30. Water is diverted for irrigation of about 150,000 acres of hay land above station.

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	13	19	18	47	52	69	124	351	1,380	559	42	16
2	14	20	21	45	54	67	127	404	1,480	525	39	16
3	13	20	23	48	52	65	121	355	1,510	476	38	14
4	15	21	24	44	50	65	124	343	1,580	445	34	16
5	14	20	22	42	54	74	127	321	1,640	430	31	16
6	13	18	23	39	57	89	124	324	1,600	415	28	16
7	14	19	24	35	67	97	131	336	1,560	408	27	15
8	15	18	23	34	74	108	141	332	1,500	380	24	16
9	15	16	22	36	86	105	160	328	1,600	340	24	15
10	14	16	25	38	79	108	176	310	1,670	315	23	14
11	15	17	28	41	65	105	193	292	1,680	280	22	15
12	16	17	25	42	59	102	242	310	1,710	263	23	14
13	15	16	28	41	61	108	263	328	1,740	242	22	15
14	16	15	29	44	57	141	242	343	1,830	226	20	16
15	17	16	30	41	55	134	252	347	1,890	207	19	16
16	16	17	33	42	52	124	297	351	1,840	191	19	15
17	16	16	31	42	50	124	309	430	1,710	180	18	16
18	15	15	33	41	50	131	340	520	1,570	172	17	17
19	17	14	35	42	55	141	315	634	1,530	160	16	16
20	18	15	36	38	61	180	297	583	1,440	149	17	16
21	17	14	39	35	69	172	309	551	1,390	141	15	17
22	17	15	41	34	76	160	321	530	1,300	127	16	17
23	18	16	42	34	74	156	367	535	1,050	118	15	18
24	19	17	44	33	65	149	336	520	1,000	108	15	18
25	18	15	42	34	54	141	313	520	860	94	14	18
26	19	14	39	36	52	134	292	530	830	84	16	19
27	19	16	36	36	57	127	272	589	760	79	15	17
28	20	17	41	39	63	124	265	670	700	74	15	16
29	19	18	39	42	-	131	262	730	641	59	16	17
30	20	17	44	47	-	124	292	910	586	55	15	18
31	21	-	45	48	-	127	-	1,140	-	50	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	508	21	13	16.4	1,010
November	504	21	14	16.8	1,000
December	985	45	18	31.8	1,950
Calendar year 1934	12,472	162	3	34.2	24,740
January	1,240	48	33	40.0	2,460
February	1,700	86	50	60.7	3,370
March	3,682	180	65	119	7,300
April	7,134	367	121	238	14,150
May	14,767	1,140	292	476	29,290
June	41,577	1,890	586	1,390	82,470
July	7,352	559	50	237	14,580
August	671	42	14	21.6	1,330
September	485	19	14	16.2	962
Water year 1934-35	80,605	1,890	13	221	159,900

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 to September 1935.

Extremes.- Maximum discharge during year, 329 second-feet July 17 (gage height, 4.25 feet); no flow June 1-18 and Sept. 17-30.

Remarks.- Records good. This station is immediately above the flow line of the Rye Patch Reservoir (dam under construction) and about 9 miles below Humboldt-Lovelock Irrigation, Light & Power Co.'s feeder canal. Humboldt-Lovelock Irrigation Light & Power Co.'s outlet canal will discharge into Rye Patch Reservoir when dam is completed. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									0	166	100	12
2									0	168	96	11
3									0	170	89	10
4									0	262	86	9
5									0	247	82	9
6									0	223	72	8
7									0	201	66	8
8									0	256	61	8
9									0	231	56	7
10									0	231	52	7
11									0	259	49	6
12									0	276	47	6
13									0	283	44	5
14									0	276	43	5
15									0	269	50	5
16									0	265	46	3
17									0	329	65	0
18									0	311	53	0
19										292	44	0
20										271	40	0
21										250	37	0
22										229	35	0
23									75	204	33	0
24										188	29	0
25										180	22	0
26										171	21	0
27										149	20	0
28									149	136	17	0
29									156	123	15	0
30									163	118	14	0
31									-	109	13	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June		163	0	38.1	2,270
July		329	109	223	13,730
August		100	13	48.3	2,970
September		12	0	4.0	236
The period					19,210

Note.- River reported to have no flow for remainder of water year 1934-35.

Martin Creek near Paradise Valley, Nev.

Location.- Water-stage recorder, lat. 41°32', long. 117°28', 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 1935.

Average discharge.- 13 years (1921-26, 1927-35), 22.7 second-feet.

Extremes.- Maximum discharge during year, 242 second-feet May 31 (gage height, 6.74 feet); minimum recorded, not determined.
1921-35: Maximum, about 1,000 second-feet Feb. 21 or 22, 1927 (gage height, about 12 feet); minimum, 2 second-feet Sept. 1-9, 1928.

Remarks.- Records fair. No diversions above gage.

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							*33	109	184	16	5	5
2							*42	96	161	16	5	5
3							†46	85	144	15	5	5
4							†50	81	135	14	5	5
5						†10	*55	89	131	13	5	5
6								111	129	12	5	5
7								123	122	12	5	5
8						*12	†70	126	115	12	5	5
9						†14		132	101	11	5	5
10						*16		140	89	11	5	5
11						†17	*83	139	84	10	6	5
12						†18	†100	128	78	9	5	5
13						*19	†115	110	73	8	5	†5
14						†20	*126	108	66	9	5	†5
15								112	58	9	5	5
16								118	52	9	5	†5
17								116	47	8	6	†5
18								101	43	7	5	†5
19						†16	†110	95	40	7	5	†5
20								98	38	6	5	†5
21								113	36	6	5	†5
22								128	†34	7	5	5
23								144	†31	7	5	†5
24						*13	89	148	†28	7	5	†5
25						†16	82	140	†26	7	5	†5
26						*18	85	142	†24	6	5	†5
27						†20	98	138	21	6	5	†5
28						†23	103	132	20	5	5	5
29						*26	118	128	18	5	5	†5
30						†27	126	153	18	6	5	†5
31						†29	-	202	-	5	5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	155	-	-	†5	307
November	180	-	-	†6	357
December	217	-	-	†7	430
Calendar year 1934	4,204	-	-	11.5	8,339
January	248	-	-	†8	492
February	252	-	-	†9	500
March	502	-	-	16.2	996
April	2,691	-	33	89.7	5,340
May	3,785	202	81	122	7,510
June	2,146	184	18	71.5	4,260
July	281	16	5	9.1	557
August	157	6	5	5.1	311
September	150	5	5	5.0	298
Water year 1934-35	10,764	202	-	29.5	21,358

*Discharge measurement.
†Estimated.

Pyramid Lake near Nixon, Nev.

Location.- Elevations since 1904 determined by spirit leveling at points (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 4⅛ 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 1867 to September 1935.

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

Elevation, in feet, above mean sea level, water year 1934-35

Oct. 20	3,823.1	Apr. 26	3,821.75
Nov. 20	3,822.85	May 21	3,822.45
Dec. 19	3,822.65	June 21	3,822.5
Jan. 12	3,822.35	July 19	3,822.15
Feb. 20	3,822.15	Aug. 20	3,821.6
Mar. 26	3,821.95	Sept. 20	3,821.25

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 6,219.01 feet above mean sea level on basis of general adjustment of 1929 of U. S. Coast and Geodetic Survey; 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 1935.

Extremes.- Maximum stage during year, 3.78 feet June 27, 28; minimum, 1.74 feet Dec. 26.
1900-1935: 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. Water pumped from lake Oct. 1 to Nov. 10. (See Truckee River at Tahoe, Calif.) Records furnished by Truckee-Carson Irrigation District.

Gage height, in feet, water year October 1934 to September 1935.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.24	1.94	1.92	1.82	1.96	1.90	2.06	2.81	3.39	3.76	3.58	3.29
2	2.23	1.93	1.89	1.81	1.96	1.90	2.07	2.82	3.41	3.75	3.56	3.28
3	2.21	1.92	1.88	1.81	1.95	1.90	2.18	2.82	3.44	3.74	3.55	3.27
4	2.19	1.93	1.87	1.85	1.95	1.93	2.27	2.82	3.47	3.75	3.54	3.26
5	2.18	1.92	1.85	1.99	1.95	1.95	2.28	2.83	3.50	3.75	3.52	3.25
6	2.17	1.91	1.83	1.88	1.98	1.94	2.29	2.84	3.53	3.75	3.51	3.24
7	2.16	1.90	1.81	1.87	2.00	2.01	2.37	2.86	3.56	3.74	3.50	3.22
8	2.15	1.89	1.80	1.92	2.00	2.03	2.48	2.88	3.58	3.73	3.50	3.20
9	2.15	1.89	1.79	1.94	2.00	2.02	2.48	2.90	3.60	3.72	3.49	3.19
10	2.14	1.89	1.78	1.93	2.02	2.02	2.48	2.93	3.62	3.71	3.49	3.18
11	2.14	1.88	1.78	1.93	2.03	2.01	2.49	2.95	3.64	3.70	3.48	3.17
12	2.13	1.88	1.78	1.92	2.02	2.01	2.49	2.95	3.66	3.70	3.47	3.15
13	2.12	1.87	1.78	1.90	2.03	2.01	2.50	2.98	3.67	3.71	3.46	3.13
14	2.08	1.86	1.80	1.92	2.03	2.01	2.51	3.00	3.68	3.71	3.45	3.10
15	2.04	1.88	1.80	1.94	2.01	2.02	2.61	3.01	3.69	3.71	3.44	3.18
16	2.01	1.89	1.79	1.97	2.00	2.01	2.65	3.02	3.70	3.71	3.43	3.16
17	2.03	1.89	1.78	1.97	1.99	2.00	2.66	3.04	3.71	3.70	3.41	3.15
18	2.04	1.93	1.78	1.98	1.98	1.99	2.66	3.06	3.72	3.70	3.40	3.14
19	2.04	2.00	1.77	2.00	1.97	2.00	2.66	3.08	3.73	3.70	3.39	3.13
20	2.03	2.01	1.77	1.99	1.96	2.00	2.67	3.09	3.74	3.69	3.37	3.13
21	2.02	2.00	1.77	1.98	1.95	2.04	2.68	3.10	3.76	3.68	3.36	3.12
22	2.01	1.98	1.76	1.97	1.95	2.05	2.69	3.12	3.77	3.68	3.35	3.11
23	2.00	1.98	1.76	1.97	1.95	2.07	2.69	3.14	3.77	3.67	3.34	3.00
24	1.99	1.97	1.75	1.97	1.94	2.08	2.70	3.16	3.77	3.66	3.33	2.99
25	1.98	1.96	1.75	1.96	1.93	2.08	2.71	3.19	3.77	3.65	3.32	2.99
26	1.97	1.96	1.74	1.96	1.92	2.05	2.72	3.22	3.77	3.64	3.32	2.98
27	1.96	1.95	1.79	1.96	1.91	2.05	2.74	3.25	3.78	3.63	3.33	2.97
28	1.98	1.94	1.82	1.96	1.90	2.06	2.76	3.28	3.78	3.62	3.33	2.94
29	1.95	1.93	1.81	1.96	-	2.07	2.78	3.31	3.77	3.61	3.32	2.92
30	1.94	1.93	1.83	1.96	-	2.07	2.80	3.34	3.76	3.60	3.31	2.91
31	1.93	-	1.82	1.96	-	2.07	-	3.37	-	3.59	3.30	-

Note.- Readings probably 0.10 foot too high Sept. 15-22.

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 1935.

Average discharge.- 35 years (1900-1935), 251 second-feet.

Extremes.- Maximum mean daily discharge during year, 51 second-feet Oct. 12; no flow for several months.
1895-96; 1900-1935: Maximum mean daily discharge, 1,340 second-feet July 13-20, 1907; no flow during parts of 1900, 1901, 1914, 1918-35.

Remarks.- Flow regulated by operation of gates in dam at Lake Tahoe and occasionally by pumping from the lake; pumping for current year during period Oct. 1 to Nov. 10. Daily-discharge record furnished by Truckee-Carson Irrigation District.

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	50	47							0	49	29	9
2	50	47							0	48	27	8
3	49	47							0	47	28	8
4	50	47							0	48	26	7
5	50	48							0	48	25	7
6	50	49							0	48	23	6
7	50	50							0	47	22	6
8	50	49							0	46	22	5
9	50	50							0	44	22	4
10	50	50							0	43	22	4
11	50	0							0	42	20	4
12	51	0							0	42	20	2
13	49	0							0	43	20	1
14	48	0							0	43	19	1
15	50	0							0	43	18	0
16	49	0							0	43	17	0
17	50	0							0	42	15	0
18	50	0							0	42	15	0
19	49	0							0	42	14	0
20	49	0							0	41	13	0
21	49	0							0	40	13	0
22	47	0							0	40	12	0
23	47	0							0	39	12	0
24	48	0							0	38	12	0
25	49	0							0	37	11	0
26	48	0							0	37	11	0
27	45	0							0	35	12	0
28	46	0							0	34	11	0
29	47	0							50	33	11	0
30	47	0							49	32	10	0
31	48	-							-	31	9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,515	51	45	48.9	3,000
November	484	50	0	16.1	960
December	0	0	0	0	0
Calendar year 1934	22,709	288	0	62.2	45,010
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	0	0	0	0	0
June	99	50	0	3.30	196
July	1,287	49	31	41.5	2,550
August	541	29	9	17.5	1,070
September	72	9	0	2.40	143
Water year 1934-35	3,998	51	0	11.0	7,920

130346 O—37——6

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. (revised), above dam of National Ice Co. at Iceland. Altitude, about 5,420 feet.

Drainage area.- 937 square miles.

Records available.- August 1912 to September 1935. September 1899 to August 1912 at Nevada-California State line, 3 miles downstream.

Average discharge.- 23 years (1912-35), 628 second-feet.

Extremes.- Maximum mean daily discharge during year, 2,640 second-feet Apr. 29; minimum, 49 second-feet Sept. 29.
1899-1935: Maximum mean 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	107	153	93	67	164	134	494	1,720	1,480	494	243	104
2	107	137	80	67	164	124	553	1,620	1,620	410	269	104
3	104	134	80	69	168	121	782	1,540	1,740	410	260	104
4	107	167	80	115	174	112	775	1,620	1,880	415	269	101
5	112	160	67	171	171	109	713	1,820	1,980	399	247	101
6	115	143	60	150	194	137	660	2,140	2,150	378	160	107
7	124	137	62	154	190	104	1,080	2,370	2,130	342	157	121
8	112	131	83	137	186	127	1,520	2,490	1,870	327	150	121
9	96	127	85	134	178	124	1,150	2,500	1,590	307	146	118
10	93	131	69	140	168	160	996	2,350	1,430	293	137	109
11	96	140	83	146	160	164	1,050	2,200	1,430	279	112	62
12	96	104	85	146	143	171	1,250	2,040	1,540	269	104	62
13	93	93	88	150	140	197	1,440	1,940	1,470	269	104	62
14	93	90	96	146	127	226	1,620	1,950	1,280	274	101	62
15	94	121	112	137	99	217	2,120	2,000	1,050	269	101	62
16	93	167	101	127	137	201	1,720	1,940	958	265	99	60
17	124	146	101	146	127	197	1,520	1,700	981	243	99	58
18	131	150	80	140	134	186	1,570	1,430	1,000	443	96	60
19	124	167	101	137	134	178	1,930	1,740	996	312	96	54
20	115	160	101	150	157	164	2,370	1,850	965	293	96	54
21	109	150	93	171	154	140	2,490	1,980	920	288	93	54
22	137	160	93	221	160	150	2,100	2,240	950	274	90	52
23	124	174	80	164	168	168	2,120	2,550	935	283	93	52
24	115	140	85	154	154	164	2,050	2,500	810	274	107	52
25	112	160	80	157	146	164	2,030	2,370	720	274	109	52
26	112	153	88	157	150	171	2,140	2,490	700	279	115	52
27	109	150	80	157	157	182	2,310	2,460	667	269	137	51
28	107	131	74	150	137	197	2,390	2,290	578	269	134	51
29	107	137	93	154	-	234	2,640	2,000	523	260	107	49
30	107	112	90	164	-	307	2,080	1,680	523	265	101	51
31	118	-	71	154	-	421	-	1,380	-	247	104	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,393	137	93	109	6,730
November	4,225	174	90	141	8,380
December	2,634	112	60	85.0	5,220
Calendar year 1934	104,785	2,500	60	287	207,800
January	4,432	221	67	143	8,790
February	4,341	194	99	155	8,610
March	5,451	421	104	176	10,810
April	47,683	2,640	494	1,589	94,580
May	62,900	2,550	1,380	2,029	124,800
June	36,866	2,150	523	1,229	73,120
July	9,673	494	243	312	19,190
August	4,236	269	90	137	8,400
September	2,202	121	49	73.4	4,370
Water year 1934-35	188,036	2,640	49	515	373,000

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 1935.

Extremes.- Maximum mean daily discharge during year, 470 second-feet May 26; minimum, 2 second-feet Oct. 1-25, Nov. 27-30, Dec. 1-31 (estimated), Feb. 2, 3.
1902-15, 1928-35: 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 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	3			9	5	27	235	269	38	166	20
2	2	3			2	5	41	232	304	38	154	16
3	2	11			2	5	55	235	312	39	144	15
4	2	10			5	19	71	243	229	39	113	15
5	2	10			11	36	88	264	235	34	79	14
6	2	8			6	11	109	295	361	32	77	13
7	2	6			4	14	119	310	386	27	73	12
8	2	5			4	25	143	316	320	25	71	11
9	2	5			12	19	143	319	301	23	68	10
10	2	4			10	14	152	310	250	21	62	9
11	2	4			6	19	166	295	198	21	35	10
12	2	4			3	19	178	295	190	21	34	9
13	2	4			6	27	194	295	182	22	33	9
14	2	4			14	21	208	298	174	23	35	8
15	2	12			12	22	228	304	166	23	34	7
16	2	10			10	14	210	290	158	18	33	6
17	2	9			8	12	200	284	150	46	32	6
18	2	10			14	11	200	281	142	207	34	6
19	2	8			10	10	217	295	134	99	35	4
20	2	8			10	6	235	275	126	100	34	4
21	2	8			7	23	238	250	118	109	33	4
22	2	8			9	42	232	408	110	111	33	4
23	2	8			14	21	235	467	102	125	36	3
24	2	7			15	12	235	453	94	122	34	3
25	2	8			10	11	238	460	86	120	31	3
26	3	5			5	19	245	470	78	124	30	3
27	3	2			5	18	268	460	74	127	27	3
28	3	2			5	16	280	442	70	135	26	3
29	3	2			-	14	275	384	62	146	25	3
30	3	2			-	16	246	320	53	152	23	3
31	3	-			-	21	-	287	-	154	20	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	68	3	2	2.2	135
November	190	12	2	6.33	377
December	62	-	-	*2	123
Calendar year 1934	14,632	415	2	40.1	29,000
January	186	-	-	*6	369
February	228	15	2	8.14	452
March	527	42	5	17.0	1,050
April	5,476	280	27	183	10,860
May	10,072	470	232	325	19,980
June	5,434	386	53	181	10,780
July	2,321	207	18	74.9	4,600
August	1,664	166	20	53.7	3,300
September	236	20	3	7.87	468
Water year 1934-35	26,464	470	2	72.5	52,490

*Estimated.

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 1935 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, 1,620 second-feet Apr. 16 (gage height, 5.26 feet); minimum, 3.2 second-feet Oct. 1-3 (gage height, 0.36 foot).
1922-23, 1932-35: Maximum discharge, that of Apr. 16, 1935; 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 estimated because of ice effect or lack of gage-height record, which are fair. Diversions for irrigation above station.

Rating tables, water year 1934-35 except periods of ice effect (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Apr. 14

0.3	2.0	2.3	242
.5	7	2.6	310
.7	16	3.0	405
1.0	36	3.5	540
1.2	53	4.0	705
1.5	89		
1.7	121		
2.0	176		

Table for Apr. 15 to Sept. 30

0.4	4.5	2.3	250
.6	12	2.6	325
.8	23	3.0	445
1.0	37	3.5	630
1.2	56	4.0	860
1.5	95	4.5	1,130
1.7	126	5.0	1,450
2.0	183	5.3	1,660

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	3.2	6	*14	†17	†20	35	287	570	335	43	8	7
2	3.2	10	*14	†16	†20	36	310	445	305	39	9	7
3	3.2	10	*14	†16	†22	35	442	389	292	36	9	7
4	3.4	11	14	†20	24	33	525	392	290	34	8	7
5	3.4	20	12	23	26	†33	418	438	292	34	8	7
6	3.4	20	11	24	29	†32	322	498	288	42	7	7
7	3.6	14	10	22	29	32	393	532	280	43	7	7
8	3.6	12	10	†22	29	†31	525	532	270	37	7	7
9	3.6	12	10	†22	†26	†30	322	550	255	32	7	7
10	3.6	12	9	†21	†27	†29	264	610	228	29	7	7
11	3.6	12	9	†22	†26	†28	369	550	211	26	7	7
12	3.8	12	9	†22	†26	30	525	480	198	24	7	7
13	3.8	12	11	†24	29	55	585	445	187	21	7	7
14	3.8	12	12	†22	27	85	705	442	173	18	7	7
15	4.0	13	12	†20	†24	80	1,420	445	154	17	7	8
16	4.3	23	13		†23	70	1,420	462	140	16	7	8
17	4.9	18	12		24	61	810	445	130	14	7	8
18	6	16	12		24	55	610	386	118	12	7	8
19	5	12	11		†28	53	692	348	107	11	7	8
20	4.9	15	16		32	38	910	348	91	11	6	8
21	6	14	56		†33	38	985	365	87	10	6	8
22	10	13	57	*20	†33	†37	692	395	73	10	6	8
23	9	21	54		†32	42	532	438	66	11	6	8
24	8	14	51		†31	†42	462	445	69	11	6	8
25	10	18	46		†29	42	498	428	62	11	6	8
26	8	17	42		†29	42	590	424	56	11	6	8
27	7	17	29		†30	44	650	417	51	10	6	8
28	7	15	†26		32	70	610	389	45	10	7	8
29	6	16	†24	20	-	188	670	398	44	10	7	8
30	6	14	22	20	-	322	715	462	44	9	7	8
31	6	-	19	†20	-	310	-	392	-	9	7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	161.1	10	3.2	5.20	320
November	431	23	6	14.4	855
December	661	57	9	21.3	1,310
Calendar year 1934	11,030.4	393	1.8	30.2	21,870
January	633	24	16	20.4	1,260
February	766	33	20	27.4	1,520
March	2,058	322	28	66.4	4,080
April	18,258	1,420	264	609	36,210
May	13,860	610	348	447	27,490
June	4,941	335	44	165	9,800
July	651	43	9	21.0	1,290
August	216	9	6	7.0	428
September	226	8	7	7.5	448
Water year 1934-35	42,862.1	1,420	3.2	117	85,010

*No gage-height record; discharge estimated.

†Ice effect; discharge estimated.

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 1935. Records at stations giving practically same yearly run-off are available January 1905 to December 1907, January 1909 to September 1921.

Average discharge.- 25 years (1905-7, 1909-21, 1924-35), 130 second-feet.

Extremes.- Maximum discharge during year, 698 second-feet Apr. 7 (gage height, 3.72 feet); minimum, 0.8 second-foot Aug. 3, Sept. 4 (gage height, 0.97 foot); minimum daily discharge, 16 second-feet Sept. 5-7.

1905-7, 1909-21, 1924-35: Maximum discharge (estimated), 4,000 second-feet Nov. 23, 1909 (gage height, 9.40 feet at former station); frozen dry part of Dec. 7, 1927, Dec. 12, 1932; minimum daily discharge not determined.

Remarks.- Records good except those estimated for December and January, which are poor, and those estimated for other periods, which are fair. Stage-discharge relation affected by ice at times from Nov. 29 to Feb. 25. Low-water flow partly regulated by power plant above station. About 160 acres irrigated above station.

Rating table, water year 1934-35 except periods of ice effect (gage height, in feet, and discharge, in second-feet)

1.4	12	2.0	68	2.7	228	3.5	565	4.2	1,040
1.6	25	2.2	102	3.0	332	3.7	685	4.5	1,280
1.8	44	2.5	171	3.2	415	4.0	890		

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	18	30	†21	†23	42	46	193	381	344	59	24	18
2	18	38	†20	†23	†41	46	187	348	314	55	23	17
3	17	36	†19	†25	†40	46	257	348	295	53	22	17
4	17	37	†21	†28	39	42	302	364	284	54	22	17
5	19	43	†25	†30	44	40	250	420	274	52	21	16
6	19	42	†26	†27	46	†39	176	*470	264	64	21	16
7	20	41	†25	†24	45	†39	336	521	254	65	20	16
8	19	39	†22		45	†39	385	526	241	58	20	17
9	19	37	†20		†44	†38	247	548	219	52	19	17
10	19	36	†22		†40	†37	204	560	204	48	18	17
11	20	33	†26		37	40	222	538	190	46	18	17
12	19	37	†32		†36	51	247	500	176	44	18	17
13	*20	*37	38		†38	67	257	495	166	42	19	17
14	20	*38	41		†36	106	284	485	168	40	18	17
15	20	*38	39		†34	89	402	480	148	40	18	19
16	*20	*38	34	†30	†35	71	465	490	141	38	19	20
17	*22	*39	33		†40	73	325	490	128	35	20	19
18	*24	39	24		43	63	310	424	115	34	20	19
19	*27	36	32		46	54	360	402	104	32	20	19
20	*30	35	47		47	56	433	398	97	31	19	19
21	44	33	67		51	†55	446	406	88	31	19	19
22	44	40	64		55	†53	364	442	78	31	19	19
23	*43	40	52		†52	68	336	510	71	37	19	19
24	*41	30	51		†46	52	284	500	74	44	19	20
25	40	39	30	†42	†39	64	288	475	78	37	19	20
26	31	34	31	†42	40	84	328	470	79	35	19	20
27	28	33	†27	†43	45	93	389	446	82	30	19	19
28	27	22	†25	43	45	144	406	433	78	29	21	19
29	26	†24	†24	44	-	204	451	446	67	29	21	19
30	25	21	†24	42	-	228	428	470	63	25	20	19
31	27	-	†23	43	-	210	-	402	-	24	18	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	783	44	17	25.3	1,550
November	1,065	43	21	35.5	2,110
December	985	67	19	31.8	1,950
Calendar year 1934	120,355	471	7	56.8	40,370
January	989	-	-	31.9	1,960
February	1,191	55	34	42.5	2,360
March	2,337	228	37	75.4	4,640
April	9,562	465	176	319	18,970
May	14,188	560	348	458	28,140
June	4,884	344	63	163	9,690
July	1,294	65	24	41.7	2,570
August	612	24	18	19.7	1,210
September	544	20	16	18.1	1,080
Water year 1934-35	38,434	560	16	105	76,230

*No gage-height record; discharge estimated.

†Ice effect; discharge estimated.

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 1935.

Average discharge.- 25 years (1905-6, 1909-27, 1929-34), including Silver Lake Irrigation District Canal, 27.0 second-feet.

Extremes.- Maximum discharge during year, 54 second-feet May 15 (gage height, 2.57 feet); no flow Oct. 1-6.
1904-7, 1909-35: Maximum discharge, 1,800 second-feet Mar. 20, 1907 (gage height, 9.08 feet former datum); no flow at times during 1931, 1932, 1934.

Remarks.- Records good except those estimated, which are poor. Stage-discharge relation affected by ice most of time from Nov. 26 to Mar. 24. Silver Lake Irrigation District Canal diverts water above gages during irrigation season. Diversion dam 1½ miles above gage impounds about 800 acre-feet; also storage in Thompson Valley Reservoir.

Rating table, water year 1934-35 except periods of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used June 9 to Aug. 8)

1.3	0	1.7	2.6	2.1	20	2.5	48
1.5	.4	1.9	9.5	2.3	33	2.6	56

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	0	1.1	†1.9			†2.0	2.4	36	21	18	7.8	1.7
2	0	1.2	†2.0			†2.1	3.6	37	24	19	7.8	1.7
3	0	1.6	†2.0			†2.2	9.0	38	25	19	7.4	1.6
4	0	2.0			†1.7	2.2	13	39	25	19	7.4	1.6
5	0	2.2				2.4	14	40	26	21	7.0	1.6
6	0	2.4				2.4	12	42	24	21	5.8	1.6
7	*.1	2.3				†2.4	13	42	24	21	5.8	1.6
8	*.2	2.0				†2.3	14	42	24	21	4.8	1.6
9	*.2	2.0				†2.3	14	42	20	19	2.3	1.6
10	*.3	1.8				†2.4	15	42	20	19	1.2	1.4
11	.3	1.7				†2.5	16	44	21	19	1.8	1.4
12	.4	1.7				2.6	17	46	18	18	2.2	1.2
13	.5	1.7				2.8	18	46	18	17	2.0	1.1
14	.5	1.6				2.6	19	46	18	17	2.0	1.1
15	.5	1.8				†2.5	19	49	17	15	2.0	1.1
16	.6	2.3	†2.0			†2.4	19	42	17	14	*1.9	1.1
17	.6	2.3				2.3	19	39	17	12	*1.9	1.2
18	.7	2.4				†2.3	22	39	17	16	1.8	1.6
19	.7	2.6				†2.2	25	38	18	18	2.0	1.8
20	.7	2.2				2.2	28	34	18	14	1.8	2.0
21	1.2	1.8			†1.7	†2.2	32	33	17	14	1.8	2.3
22	2.0	1.8				†2.2	34	29	17	14	1.7	2.2
23	1.6	2.2				2.2	32	28	17	15	1.7	2.2
24	1.4	2.0				†2.1	32	27	15	14	1.7	2.0
25	1.4	1.8				2.0	31	25	14	12	1.7	2.0
26	1.6	†1.8				1.7	30	25	14	8.2	1.7	1.8
27	1.2	1.8				2.2	28	25	18	7.4	1.7	1.8
28	1.2	†1.8				2.0	30	25	19	7.0	1.7	1.8
29	1.0	1.7				1.8	32	26	18	7.0	1.7	1.7
30	1.0	†1.8				2.2	34	24	18	7.8	1.7	1.7
31	1.0	-				2.3	-	21	-	7.8	1.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	20.9	2.0	0	0.67	41
November	57.4	2.6	1.1	1.91	114
December	61.9	-	-	2.00	123
Calendar year 1934	1,142.1	15	0	3.13	2,270
January	46.5	-	-	*1.5	92
February	47.6	-	-	*1.7	94
March	70.0	2.8	1.7	2.26	139
April	627.0	34	2.4	20.9	1,240
May	1,111	49	21	35.8	2,200
June	579	26	14	19.3	1,150
July	471.2	21	7.0	15.2	935
August	95.5	7.8	1.2	3.08	189
September	49.1	2.3	1.1	1.64	97
Water year 1934-35	3,237.1	49	0	8.87	6,410

*Estimated.

†Ice effect.

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 1935.

Extremes.- Maximum discharge during year, 39 second-feet June 11-18 (gage height, 1.96 feet); no flow at times.
1923-28, 1929-35: Maximum discharge, 60 second-feet June 26-29, 1923; no flow at times.

Remarks.- Records fair except those interpolated, May 4-7, 10-16, 18, 25, July 2-6, which are poor. Canal diverts from Silver Creek water that is released from storage in Thompson Valley Reservoir.

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							0	18	21	26		
2							0	19	25			
3							0	19	25			
4							0		25	27		
5							0		28			
6							0	13	32			
7							0		34	28		
8							0	7	35	26		
9							0	8	38	26		
10							0		38	26		
11							0		39	24		
12							0		39	24		
13							0	14	39	24		
14							0		39	22		
15							0		39	20		
16							0		39	19		
17							0	20	39	18		
18							0	20	26	18		
19							0	21	22	5		
20							0	0	38	0		
21							0	0	38	0		
22							0	0	38	0		
23							0	0	38	0		
24							0	2	38	0		
25							1	4	38	0		
26							1	4	38	0		
27							1	19	34	0		
28							14	21	29	0		
29							16	21	29	0		
30							19	21	26	0		
31							-	21	-	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	52	19	0	1.7	103
May	395	21	0	12.7	783
June	1,004	39	21	33.5	2,000
July	441	28	0	14.2	875
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	1,894	39	0	5.19	3,760

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 1935.

Average discharge.- 22 years (1903-5, 1909-12, 1917-21, 1922-35), 131 second-feet.

Extremes.- Maximum discharge during year, 875 second-feet Apr. 16 (gage height, 9.48 feet); minimum, 0.6 second-foot Aug. 25, 26 (gage height, 0.57 foot).
1903-6, 1908-35: Maximum discharge, 4,730 second-feet Apr. 15, 1904 (gage height, 17.12 feet, original datum); no flow July 19 to Sept. 22, 1934.

Remarks.- Records good except those estimated for periods in May and September, which are fair, and those estimated for periods of ice effect, Dec. 3-9, Dec. 15 to Mar. 14, which are poor. A large area on headwaters of Silvies River is irrigated with flood water.

Rating tables, water year 1934-35 except periods of ice effect
(gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Apr. 16

0.8	2.0	2.8	130	5.5	385
1.0	6.0	3.2	166	6.0	435
1.3	19	3.6	202	7.0	545
1.6	36	4.0	238	8.0	660
2.0	63	4.5	285	9.0	795
2.4	94	5.0	335	10.0	960

Table for Apr. 17 to Sept. 30
(Shifting-control method used July 14 to Aug. 20, Sept. 1-30)

0.6	0.7	2.4	97	5.0	335
0.8	2.4	2.8	132	5.5	385
1.0	6.8	3.2	168	6.0	435
1.3	20	3.6	204	7.0	545
1.6	37	4.0	240	8.0	660
2.0	65	4.5	285	9.0	795

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	3.2	18	18				285	305	51	8.6	4.7	1.8
2	4.0	18	17				265	*265	45	8.9	4.2	1.6
3	4.2	22	16				265	*235	40	8.6	4.0	1.6
4	4.2	22	16				305	*215	38	7.5	3.8	1.4
5	4.5	24	16				295	*195	36	6.8	3.7	1.4
6	4.8	23	16				265	*180	33	6.5	3.5	1.6
7	5.8	20	16				275	*170	30	6.8	3.5	1.6
8	6.0	19	16				385	*160	27	8.2	3.5	1.6
9	4.8	18	15				405	*150	25	7.8	2.9	1.4
10	3.4	16	15				375	*140	24	7.2	3.3	1.6
11	4.5	20	13				395	132	22	6.8	2.4	1.7
12	5.2	18	12				415	118	16	6.0	2.3	1.7
13	7.0	16	13				435	113	19	5.2	2.3	*1.8
14	8.8	16	16				425	103	21	5.0	2.2	*2.0
15	13	16	16			52	479	97	24	4.5	2.2	*2.1
16	15	19	12			71	765	97	23	4.2	2.3	2.2
17	14	20	12			69	811	89	21	4.0	2.4	*2.2
18	12	18	12			67	751	87	21	4.0	2.6	*2.2
19	14	18	14			63	697	85	17	3.7	2.4	*2.3
20	15	18	18			62	600	79	13	3.3	2.4	*2.3
21	16	18	19		†19	53	567	74	11	2.9	2.3	*2.3
22	18	18	20			49	545	71	10	9.6	2.0	*2.4
23	18	19	19			56	523	79	10	6.8	1.0	*2.4
24	18	20	18			48	512	58	9.6	5.5	.8	2.4
25	16	18	16			54	446	38	9.6	6.0	.7	*2.4
26	17	18	15			60	415	43	9.6	9.2	1.0	*2.4
27	17	20	14			61	365	44	9.6	9.6	1.2	*2.4
28	16	19	14			79	335	37	9.2	7.5	1.4	*2.5
29	16	18	13			216	305	41	8.9	6.8	1.8	*2.5
30	16	18	12			385	295	57	8.6	6.3	2.0	*2.5
31	16	-	12			325	-	58	-	5.5	2.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	337.4	18	3.2	10.9	669
November	565	24	16	18.8	1,120
December	471	20	12	15.2	934
Calendar year 1934	5,321.4	51	0	14.6	10,550
January	465	-	-	*15	*922
February	560	-	-	*20	*1,110
March	2,080	385	-	67.1	4,130
April	13,201	811	265	440	26,180
May	3,615	305	37	117	7,170
June	642.1	51	8.6	21.4	1,270
July	199.3	9.6	2.9	6.43	395
August	76.8	4.7	.7	2.48	152
September	60.3	2.5	1.4	2.01	120
Water year 1934-35	22,272.9	811	.7	61.0	44,170

*Estimated.

†Discharge measurement.

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 1935 (incomplete).

Discharge.- Maximum discharge during year, 163 second-feet May 30 (gage height, 3.70 feet); minimum, 0.7 second-foot Mar. 5 (gage height, 1.21 feet).
1911-12, 1922-23, 1925-35: 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 for periods of ice effect, which were estimated from climatological data, and those for July 11-18, which are poor. A little water is diverted for irrigating small ranch fields above station; large irrigation diversions below.

Rating table, water year 1934-35 except periods of ice effect (gage height, in feet, and discharge in second-feet) (Shifting-control method used Aug. 11 to Sept. 30)

1.2	0.7	2.2	22
1.4	1.4	2.5	41
1.6	3.1	2.7	57
1.8	7.3	3.0	85
2.0	13	3.3	117
		3.7	163

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	0.8	2.5	2.7	†2.8	†3.8	2.9	6.9	71	130	18	3.3	1.7
2	.8	2.6	2.5	†2.5	3.7	2.8	7.8	63	115	17	3.5	1.4
3	1.2	2.8	2.5	†2.5	3.5	2.8	8.6	57	105	15	2.9	1.6
4	1.6	3.0	2.5	†3.0	4.6	2.5	8.6	55	103	16	2.5	1.9
5	1.5	3.1	†2.5	†3.7	5.1	1.5	9.2	53	98	18	1.9	1.7
6	1.7	3.0	†2.5	3.8	5.5	2.1	9.2	63	98	17	1.4	1.7
7	1.7	2.9	†2.4	3.8	5.8	3.8	11	75	97	15	1.4	1.7
8	1.8	2.9	†2.3	3.8	5.5	2.1	20	82	97	13	1.6	1.7
9	1.7	2.9	†2.2	2.2	4.0	2.1	20	90	86	12	2.4	1.9
10	1.7	2.9	†2.0	†2.5	2.8	2.7	25	103	77	12	2.9	2.2
11	1.7	3.0	†2.2	†2.5	†3.0	3.3	24	102	73	*11	2.7	1.7
12	1.7	2.9	†2.5	2.6	†3.1	4.4	28	94	70	*11	2.7	1.4
13	1.8	2.9	†2.8	2.6	†3.3	4.6	33	83	66	*10	1.7	1.3
14	1.8	2.9	3.8	2.6	†3.3	5.5	38	88	62	*10	1.3	1.1
15	1.9	2.9	4.8		†2.5	5.5	55	85	58	*9.5	1.3	1.3
16	2.2	3.0	4.6		†2.2	5.1	70	85	49	*9.0	1.3	1.2
17	2.5	3.1	4.0		†2.5	6.0	69	86	43	*8.5	1.4	1.3
18	2.5	3.5	4.2		†2.8	6.6	62	78	40	*8.0	1.7	1.4
19	2.5	3.3	4.4		3.1	4.4	62	76	37	7.3	1.8	1.6
20	2.5	3.3	4.8		2.9	6.9	67	78	36	7.6	1.8	1.7
21	2.5	3.3	5.1		2.8	6.4	75	90	33	6.4	1.8	1.5
22	2.2	3.0	4.4		2.8	5.1	78	104	31	5.1	1.7	.9
23	2.0	3.1	3.7	†3.0	2.9	7.3	72	122	32	5.8	1.7	.9
24	1.9	3.1	3.8		2.2	6.9	60	128	29	6.0	1.7	1.0
25	1.8	3.5	3.1		2.0	7.3	55	119	22	5.8	1.7	1.0
26	1.6	3.5	3.3		2.2	7.6	54	126	20	4.4	1.7	1.0
27	1.6	3.1	†3.0		2.8	5.5	57	114	20	3.7	1.7	.9
28	1.6	3.1	2.0		3.3	5.8	61	106	20	3.5	1.7	.9
29	1.6	†3.0	2.9		-	5.8	71	108	22	3.7	1.5	1.0
30	2.0	2.8	3.3		-	5.3	80	141	22	3.5	1.8	1.5
31	2.4	-	†3.0		-	5.5	-	115	-	3.3	2.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	56.8	2.5	0.8	1.83	113
November	90.9	3.5	2.5	3.03	180
December	99.8	5.1	2.0	3.22	198
Calendar year 1934	1,300.7	20	-	3.56	2,580
January	91.9	-	-	2.96	182
February	94.2	5.8	2.0	3.36	187
March	146.1	7.6	1.5	4.71	290
April	1,297.3	80	6.9	43.2	2,570
May	2,840	141	53	91.6	5,630
June	1,791	130	20	59.7	3,550
July	296.1	18	3.3	9.55	587
August	60.6	3.5	1.3	1.95	120
September	42.1	2.2	.9	1.40	84
Water year 1934-35	6,906.8	141	.8	18.9	13,690

*Estimated.

†Ice effect.

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 year ending Sept. 30, 1935

Bear River Basin

Date	Stream	Tributary to or diverting from-	Locality	Discharge
				Sec.-ft.
Apr. 13	Twin Lakes Canal	Mink Creek.....	Sec. 23, T. 14 S., R. 38 E., 2 miles east of Clifton, Idaho.	105
13	Cub River.....	Bear River.....	Sec. 17, T. 16 S., R. 40 W., 1 mile north of Franklin, Idaho.	73.8
Oct. 24	Devil Creek (below Evans dividers).	Malad River.....	Sec. 35, T. 13 S., R. 36 E., 3 miles northeast of Malad, Idaho.	1.68
Jan. 20	....do.....	....do.....	....do.....	*.4
Mar. 29	....do.....	....do.....	....do.....	5.49
Apr. 24	....do.....	....do.....	....do.....	5.19
May 22	....do.....	....do.....	....do.....	4.72
June 6	....do.....	....do.....	....do.....	4.90
9	....do.....	....do.....	....do.....	1.18
July 14	....do.....	....do.....	....do.....	1.58
16	....do.....	....do.....	....do.....	2.33
Aug. 9	....do.....	....do.....	....do.....	0
11	....do.....	....do.....	....do.....	0
Sept.12	....do.....	....do.....	....do.....	.74
Oct. 24	Spring Creek (below Evans dividers).	Devil Creek.....	Sec. 35, T. 13 S., R. 36 E., 3 miles northeast of Malad, Idaho.	2.14
Jan. 20	....do.....	....do.....	....do.....	2.71
Mar. 29	....do.....	....do.....	....do.....	4.45
Apr. 24	....do.....	....do.....	....do.....	9.30
May 22	....do.....	....do.....	....do.....	9.09
June 6	....do.....	....do.....	....do.....	5.79
9	....do.....	....do.....	....do.....	9.11
July 14	....do.....	....do.....	....do.....	3.66
16	....do.....	....do.....	....do.....	4.73
Aug. 9	....do.....	....do.....	....do.....	5.10
11	....do.....	....do.....	....do.....	5.32
Sept.12	....do.....	....do.....	....do.....	3.26

Jordan River Basin

Aug. 20	Salt Creek.....	Utah Lake.....	Sec. 3, T. 13 S., R. 1 E., below heading of North Canal at gristmill 1 mile east of Nephi, Utah.	16.2
20	North Canal.....	Salt Creek.....	Sec. 3, T. 13 S., R. 1 E., at head of canal.	3.4

Sevier Lake Basin

19	Sevier River....	Sevier Lake.....	NE¼ sec. 15, T. 16 S., R. 2 W., 500 feet below Wellington Canal heading 5 miles south of Mills, Utah.	85.8
20	....do.....	....do.....	SE¼ sec. 3, T. 16 S., R. 2 W., below waste gate from Wellington Canal and about 1½ miles below head of canal.	98.0
19	....do.....	....do.....	Sec. 6, T. 15 S., R. 2 W., at head of Leamington Canyon, 5 miles northwest of Mills, Utah.	98.0

Escalante Desert Basin

Oct. 29	Center Creek....	Little Salt Lake	SE¼ sec. 36, T. 34 S., R. 9 W., at municipal power plant dam 3 miles south of Parowan, Utah.	†7.9

Salton Sea Basin

Feb. 8	Whitewater River	Salton Sink.....	Whitewater, Calif.....	5.9
Dec. 14	Murray Canyon Creek.	Palm Canyon Creek.	Junction with Palm Canyon Creek, near Palm Springs, Calif.	11
Jan. 7	....do.....	....do.....	....do.....	1.4
21	....do.....	....do.....	....do.....	2.2
Feb. 8	....do.....	....do.....	....do.....	8.6
18	....do.....	....do.....	....do.....	2.8
Mar. 1	....do.....	....do.....	....do.....	1.5
15	....do.....	....do.....	....do.....	2.9
25	....do.....	....do.....	....do.....	2.6
Apr. 10	....do.....	....do.....	....do.....	8.2
22	....do.....	....do.....	....do.....	3.4
May 6	....do.....	....do.....	....do.....	1.5
20	....do.....	....do.....	....do.....	.2
Dec. 14	Andreas Canyon Creek.	....do.....	....do.....	11
Jan. 7	....do.....	....do.....	....do.....	.9
21	....do.....	....do.....	....do.....	3.2
Feb. 8	....do.....	....do.....	....do.....	3.7
18	....do.....	....do.....	....do.....	1.5
Mar. 1	....do.....	....do.....	....do.....	.6
15	....do.....	....do.....	....do.....	.8
25	....do.....	....do.....	....do.....	.6
Apr. 10	....do.....	....do.....	....do.....	5.0
22	....do.....	....do.....	....do.....	2.2
May 6	....do.....	....do.....	....do.....	.6
20	....do.....	....do.....	....do.....	.1

*Estimated. †Includes flow of 1.9 second-feet in Middle Fork.

Miscellaneous discharge measurements in the Great Basin during the year ending Sept. 30, 1935--Continued

Salton Sea Basin--Continued

Date	Stream	Tributary to or diverting from-	Locality	Discharge
				Sec.-ft.
Feb. 8	Tahquitz Creek.	Palm Canyon Creek.	Junction with Palm Canyon Creek, near Palm Springs, Calif.	2.7
18	....do.....	....do.....	....do.....	.5
Apr. 10	....do.....	....do.....	....do.....	13
22	....do.....	....do.....	....do.....	16
May 6	....do.....	....do.....	....do.....	12
20	....do.....	....do.....	....do.....	9.1
June 3	....do.....	....do.....	....do.....	4.1
Oct. 14	San Felipe Creek.	Salton Sink.....	Sentenac highway bridge near Julian, Calif.	1.7

Mojave River Basin

Apr. 17	Mojave River...	Great Basin.....	Near Hodge, Calif.....	123

Humbolt-Carson Sink Basin

Sept.15	West Fork of Carson River.	Carson River....	Probably in sec. 6, T. 10 N., R. 19 E., about 3 miles west of Woodfords, Calif.	11.5

INDEX

The use of the subjoined mailing label to return this report will be official business, and no postage stamps will be required

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICIAL BUSINESS

This label can be used only for returning official publications. The address must not be changed.

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, $300

U. S. GEOLOGICAL SURVEY,

WASHINGTON, D. C.